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FUNCIONES DE DISTRIBUCION APLICADAS A LOS FENOMENOS MORTALIDAD Y FECUNDIDAD

T E S I S

QUE PARA OBTENER EL GRADO DE :

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P R E S E N T A

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I. INTRODUCCION.

La razón de ser de todo modelo matemático[1] dentro de la Demografía no es otra que la que le otorga la posibilidad de captar a la sociedad en su conjunto, comenzando por separar información y agregando después elementos hipotéticos que permitan construir un modelo esquemático, el cual, para tener validez, deberá de encontrarse inserto en una teoría capaz de confrontarlo con los hechos.

Como bien lo menciona Piaget, al hacerse estudios sobre fenómenos colectivos dentro de la Demografía, se ve imposibilitada la experimentación en el sentido estricto en el cual la conocemos, lo que obliga a reemplazarla por una investigación sistemática que emplee variaciones de los hechos analizándolos de manera funcional, en el sentido lógico y matemático.

Será así que el número de individuos que comparten determinada característica nos darán la medida, la cual unida a ciertas técnicas estadísticas, permitirá reemplazar a la experimentación.

[1] Quizá se debería de hablar de cuasimodelos recordando que no son otra cosa que una representación aproximada de la realidad.

I.1. OBJETIVO.

El objetivo del presente trabajo es el de aplicar distintas funciones de distribución a los fenómenos demográficos de *Fecundidad* y *Mortalidad* con el propósito de determinar aquella que mejor los describa, disminuyendo el error medio absoluto entre valores observados y estimados, bajo diferentes niveles de intensidad de los mismos.

Los ajustes de las funciones de distribución se han aplicado a *tasas específicas* por grupo de edad para el fenómeno *Fecundidad* y a *probabilidades de sobrevivencia* en el caso del fenómeno *Mortalidad*.

Para el fenómeno *Fecundidad* se emplearon las funciones de distribución: *de Hadwiger*, *la Gamma*, *la Lognormal* y un *Polinomio de Tercer Grado*. Al fenómeno *Mortalidad* se ajustaron las funciones: *Uniforme*, *Exponencial*, *Gompertz*, *Gompertz-Makeham*, y *Logística*. Una diferencia importante existente entre el uso de las funciones para ambos fenómenos es que, para el primero, la interpretación de los parámetros es inmediata.

La hipótesis que se encuentra detras de estos modelos es la de ausencia de otros fenómenos demográficos.

La utilidad que otorga el encontrar una función que nos permita describir estos fenómenos es inmensa ya que, entre otros, se puede, teniendo un buen ajuste:

- Construir tablas de vida[2].
- Obtener curvas para situaciones en las que se cuente con registros demográficos escasos o defectuosos.
- Suavizar la tendencia que presente la información, la cual se manifiesta en grandes fluctuaciones debido a cuestiones tales como mala declaración de la edad.
- Posibilidad de desagregar la información de grupos de edades a edades individuales.
- Posibilidad de efectuar proyecciones de población.

Lo anterior sería bajo el supuesto de que se tiene una población cerrada a la migración.

[2] Ver Anexo 1.

I.2. ANTECEDENTES.

Existen trabajos anteriores en los cuales se realizaron este tipo de ajustes. Luitzen Yntema[3] , revisando un trabajo anterior realizado por Kálmán Tekse[4], en el cual éste último efectuó ajustes de la función de *Hadwiger* y la *Gamma* en Europa, concluye que no se puede aplicar la *Hadwiger* en todos los casos.

Tekse concluye adicionalmente, que en regiones con una alta fecundidad presentará un mejor ajuste la *Hadwiger*, mientras que se preferirá una función *Gamma* en aquéllas con una baja fecundidad.

Eivind Gilje[5] aplicando distintas versiones de las funciones de *Hadwiger* y *Gamma* observa que es muy difícil elegir a una, ya que la diferencia entre los ajustes obtenidos es mínima, no obstante manifestar que la segunda debería de ser usada en aquellos casos en los que los datos muestran una cúspide acentuada, mientras que la primera sería mejor para curvas simétricas.

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[3] Yntema, Luitzan. "On Hadviger's Fertility Function". Statistisk Tidskrift. National Central Bureau of Statistics. Stockholm, Sweden. 1969 : 2. pp. 113-117.

[4] Tekse, Kálmán. "On Demographic Models of Age-Specific Fertility Rates. Statistisk Tidskrift. 1967 : 3, pp. 189-207.

[5] Gilje, Elvind. "Fitting Curves to Age-Specific Fertility Rates: Some Examples". Statistisk Tidskrift. 1969 : 2, pp. 113-117.

Murphy y Nagnur[6] aplican la función de Gompertz a las tasas de fecundidad acumuladas de Canadá usando técnicas iterativas y obteniendo resultados positivos, con parámetros que serían de gran utilidad para efectuar proyecciones de población.

Duchêne y Gillet-de Stefano[7] aplicando las funciones *Hadwiger*, *Gamma*, *Lognormal*, Beta y un *Polinomio de Tercer Grado*, observan que la función *Gamma* presenta un buen ajuste para países en los cuales la *tasa bruta de reproducción* es inferior a 2, la *Beta* cuando esta tasa oscila entre 2 y 3, y el *Polinomio* cuando es superior a 3.

Existen, además de los trabajos ya mencionados, otros en los cuales se aplicaron las funciones de distribución *Normal*, una *Gamma incompleta* y la *Exponencial*.

La aplicación de funciones a la mortalidad también ha sido explorada en profundidad. Jordan[8] nos menciona la importancia de determinar un patrón que describa la vida de los individuos. Se

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[6] Murphy, Edmund and Nagnur, Dhruva. "A Gompertz Fit that Fits: Applications to Canadian Fertility Patterns". Demography. Volume 9, Number 1. February 1972.

[7] Duchene, J. et S. Gillet-de Stefano. "Adjustement Analytique des Courbes de Fécondité Générale". Population et Famille, 32. 1974-2. pp. 53-99.

[8] Jordan, Chester. "Life Contingences". The Society of Actuaries. U. S. A, 1952.

han aplicado funciones de distribución a los sobrevivientes a edad exacta x de una tabla de vida. De entre las que cobran una importancia considerable se pueden mencionar a la de Gompertz y a la de Gompertz-Makeham.

La función de Gompertz surgió a finales del siglo pasado, cuando Benjamín Gompertz buscaba una expresión analítica que representara a la función lx (serie de una tabla de mortalidad que representa a los sobrevivientes a edad exacta x). Argumentaba que la muerte era provocada por dos causas: el azar y el deterioro biológico. Asumió que la fuerza del hombre para resistir a la muerte decrece a una tasa proporcional a sí misma.

Guillermo Makeham, en 1860, somete la fórmula de Gompertz a una modificación, agregándole una constante que se encuentra asociado al efecto de las causas de muerte independientes de la edad.

II. METODOLOGIA.

Este capítulo presenta la metodología que se va a emplear para poder efectuar ajustes de funciones de distribución a las *tasas específicas de fecundidad* por grupos de edad y a *probabilidades de sobrevivencia.*

La demografía se basa para efectuar sus estimaciones en datos obtenidos, principalmente, de tres fuentes de información: censos de población, estadísticas vitales y encuestas demográficas. Estos datos pueden presentarse en dos formas:

1) datos relativos a la *estructura, estado y composición* de la población en un momento dado; y

2) datos referentes al *movimiento* de la población.

Al primer tipo de datos corresponden medidas tales como las *proporciones y razones*, mientras que con el segundo tipo se relacionan las *tasas*, medidas que se emplearan continuamente en el presente estudio.

RAZONES

Las razones son las relaciones entre un subgrupo de la población y otro subgrupo de la misma población; esto es, un subgrupo dividido

por otro.

PROPORCIONES

Representan las relaciones entre un subgrupo de población y el total de la misma; es decir, un subgrupo dividido por toda la población.

TASAS

Las tasas son medidas asociadas a la dinámica de los fenómenos demográficos por lo que son indispensables para el análisis de los cambios que sufre una población, al indicar la frecuencia con la cual está ocurriendo un evento.

Los conceptos mas importantes que se tendrán a lo largo de todo el trabajo son: *tasa específica de fecundidad por grupos de edades*, *probabilidad de sobrevivencia* y *función de distribución*.

TASA ESPECIFICA DE FECUNDIDAD POR GRUPOS DE EDADES

Nos indica el número de hijos que tiene una mujer por grupo de edades y se define de la siguiente forma

$$ {}_nf_y = \frac{B(y, y+n)}{P^f(y, y+n)} $$

donde

$B(y,y+n)$ es el número de nacimientos de las mujeres dentro del grupo de edad $(y,y+n)$

$P^f(y,y+n)$ es el total de mujeres dentro del grupo de edades $(y,y+n)$.

PROBABILIDAD DE SOBREVIVENCIA

Determina la probabilidad que tiene un individuo de edad exacta y de sobrevivir para llegar a la edad exacta $y+n$, su definición se presenta a continuación

$$ {}_nS_y = \frac{l_{y+n}}{l_y} $$

con

l_{y+n} es el número de sobrevivientes a edad exacta $y+n$

l_y es el número de sobrevivientes a edad exacta y.

FUNCION DE DISTRIBUCION[9]

La función de distribución *FC)* de un fenómeno aleatorio con resultados numéricos esta definida, para cualquier número real *x*, como la probabilidad de que un valor observado del fenómeno aleatorio sea menor o igual que el número *x*. En símbolos

$$F(x) = P\ [\ \{\text{números reales } x' :\ x' \leq x\ \}\ ]$$

A continuación se detalla la metodología seguida para la aplicación de las funciones de ajuste aplicadas a cada uno de los fenómenos demográficos.

II.1. FUNCIONES DE FECUNDIDAD.

Las funciones de distribución contempladas son las siguientes: la *función de Hadwiger*, la *Gamma*, la *Lognormal* y un *Polinomio de Tercer Grado*.

Los ajustes de las funciones de distribución se llevaron a cabo utilizando el método de momentos[10] considerando *tasas específicas*

[9] Parzen, Emanuel. "Teoría Moderna de Probabilidades y sus Aplicaciones". Ed. Limusa . pp. 190.

[10] Consiste en resolver un sistema de ecuaciones compuesto por los momentos de orden 'r' para cada función.

de fecundidad, fy(y).

Es así que se obtuvo la *descendencia promedio o tasa global de fecundidad* (*TGF*) de una cohorte a lo largo de su vida fertil en ausencia de otros fenómenos demográficos.

$$D = \sum_{y=17.5}^{47.5} fy(y)$$

Una vez obtenida *D*, se puede calcular la *tasa bruta de reproducción* (*TBR*), la cual representa el número de hijas que tiene una mujer a lo largo de su vida reproductiva. Se calcula como

$$TBR = (If)\,(D)$$

donde

If (índice de femineidad) representa la proporción que representan los nacimientos femeninos del total. En general se considera un valor de 0.4878 (o equivalentemente 100/205).

La fórmula para el calendario o duración, la cual nos permitirá obtener la *edad media a la fecundidad*

$$\bar{y} = \frac{\sum_{y=17.5}^{47.5} y\, fy(y)}{D}$$

y la *varianza alrededor de la edad media*

$$\sigma_y^2 = \frac{\sum_{y=17.5}^{47.5} (y - \bar{y}) \; f_Y(y)}{D}$$

Para simplificar el cálculo de los parámetros, se efectuaron los siguientes cambios de variables, que permiten obtener un mejor ajuste[11]:

- *Funciones de Hadwigwer, Gamma y Lognormal*

$$X = Y - 15$$

con lo que la media es

$$\bar{x} = \bar{y} - 15$$

y la varianza

$$\sigma_X^2 = \sigma_Y^2$$

- *Polinomio de tercer grado*

$$X = Y$$

[11] Duchene, J. et S. Gillet-de Stefano. Op. Cit.

La definición de cada una de las funciones ya mencionadas y las ecuaciones que el método de momentos da para obtener cada uno de sus parámetros se muestra a continuación.

DISTRIBUCION DE HADWIGER

Esta función se encuentra definida como

$$fx(x) = \frac{a}{(\pi x^3)^{1/2}} \exp\left[ac - \left((a^2/x) + bx \right) \right]$$

y las ecuaciones para calcular sus parámetros son

$$a = \left[\frac{\bar{x}^3}{2\sigma_x^2} \right]^{1/2}$$

$$b = \frac{\bar{x}}{2\sigma_x^2}$$

$$c = \left[\frac{2\bar{x}}{\sigma_x^2} \right]^{1/2} + \left[\frac{2\sigma_x^2}{\bar{x}^3} \right]^{1/2} \ln D$$

DISTRIBUCION GAMMA

La distribución Gamma se define de la siguiente manera

$$f_x(x) = \frac{K\,\lambda^{p-1}x^{p-1}\exp(-\lambda x)}{\Gamma(p)}$$

Las constantes K, λ y p se calculan por medio de las fórmulas siguientes

$$K = D$$

$$\lambda = \frac{\bar{x}}{\sigma_x^2}$$

$$p = \frac{\bar{x}^2}{\sigma_x^2}$$

DISTRIBUCION LOGNORMAL

Se define esta función de distribución como

$$f_x(x) = \frac{K}{\sigma x\,(2\pi)^{1/2}}\exp\left[-\frac{1}{2}\left(\frac{\ln x - m}{\sigma}\right)^2\right]$$

y los valores de las constantes K, m y σ se determinan aplicando las fórmulas

$$K = D$$

$$m = \ln \left[\frac{\bar{x}^2}{(\bar{x}^2 - \sigma_x^2)^{1/2}} \right]$$

$$\sigma = \left[\ln \left(\frac{\bar{x}^2 + \sigma_x}{\bar{x}^2} \right) \right]^{1/2}$$

POLINOMIO DE TERCER GRADO

Los polinomios de tercer grado se encuentran definidos de la siguiente forma

$$f_x(x) = k (x - \alpha) (\beta - x)^2$$

donde sus párametros se calculan con las siguientes fórmulas

$$\alpha = \bar{x} - 2 \sigma_x$$

$$\beta = x + 3 \sigma_x$$

$$k = \frac{12\ D}{(25\ \sigma_x^2\ )^2} = \frac{12\ D}{(\beta - \omega)^4}$$

II.2. FUNCIONES DE SOBREVIVENCIA.[12]

Bajo el supuesto de que la variable X denota la edad de un individuo, se denominará entonces a la función de distribución acumulada

$$Fx(x) = P\{X \leq x\},$$

distribución del tiempo de vida, y a su función complementaria

$$Sx(x) = 1 - Fx(x) = P\{X > x\}$$

se le conoce como *función de sobrevivencia*, la cual indica la probabilidad de que un recién nacido sobreviva hasta alcanzar la edad x.

A lo largo de la vida de los individuos se han podido apreciar patrones similares del fenómeno mortalidad en los cuales se puede percibir:[13] una alta mortalidad en la infancia que disminuye en la

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12 Elandt-Johnson Regina C. and Norman L. Johnson. "Survival Models and Data Analysis". John Wiley and Sons, Inc. U.S.A., 1980. pp. 12.

13 Jordan, Chester W. Op. Cit. pp. 9

niñez y se incrementa posteriormente a lo largo de la adolescencia y vida media, acelerándose al aproximarse el término de la vida. De acuerdo con las características mencionadas, las propiedades que se les atribuyen a las funciones de sobrevivencia son las siguientes:

i) $Sx(x)$ es una función contínua de x;

ii) $Sx(x)$ es una función que decrece al irse incrementando x, esto es

$$Sx(x) = P\{X > x\} > Sx(x+t) = P\{X > x+t\}, \quad \text{con } t>0; \quad \text{y}$$

iii) dado que el tiempo de vida no puede ser negativo se tiene que

$$\lim_{x\to 0} Fx(x) = 0 \qquad \text{y} \qquad \lim_{x\to \omega} Fx(x) = 1$$

o bien

$$\lim_{x\to 0} Sx(x) = 1 \qquad \text{y} \qquad \lim_{x\to \omega} Sx(x) = 0,$$

donde se supone a la edad ω como aquélla en que se extingue una cohorte, por lo que $Sx(x)$ es una distribución propia.

La *función de densidad de probabilidades* es entonces

$$f_x(x) = \frac{dF_x(x)}{dx} = -\frac{dS_x(x)}{dx},$$

la cual es una *tasa instantánea de mortalidad*, ya que por definición si $y(t)$ es una función estrictamente monótona y contínua del tiempo (t), entonces definiremos una tasa de la siguiente forma

Sea

$$\Delta y = y(t+\Delta t) - y(t)$$

el cambio en y dentro del intervalo de tiempo Δt. Así

$$a(t, t+\Delta t) = \frac{\Delta y}{\Delta t} = \frac{dy}{dt}\Big|_{t=t'}$$

representa el cambio promedio en y (por unidad de tiempo) para alguna t' en el intervalo $(t, t+\Delta t)$ y se le conoce como *tasa absoluta promedio.*

Si

$$\lim_{\Delta t \to o} \frac{y(t+\Delta t) - y(t)}{dt} = \frac{dy}{dt} = \alpha(t)$$

existe, entonces $\alpha(t)$ se denomina *tasa instantánea al tiempo t.*

FUNCION DE RIESGO O FUERZA DE MORTALIDAD

La función de riesgo o fuerza de mortalidad, denotada en demografía con la letra griega μ, es igual a

$$\mu_x(x) = \frac{fx(x)}{Sx(x)} = - \frac{d\log Sx(x)}{dx} ,$$

$$\mu_x(x) = \int_o^x \mu_x(u)\, du = - \log Sx(x)$$

se nombrará *función acumulada de riesgo.* Es por ello que la función de sobrevivencia puede expresarse como

$$Sx(x) = \exp \left[- \int_o^x \mu_x(u) du \right] = \exp [-\mu_x(x)]$$

La probabilidad de muerte en el intervalo $(x,x+dx)$, dado que se llegó con vida a la edad x, es aproximadamente $\mu_x(x)dx$, con lo que la probabilidad de morir en el intervalo $(x,x+dx)$ será

$$fx(x)dx = Sx(x)\ \mu_x(x)dx$$

de donde

$$fx(x) = \mu_x(x)\ Sx(x).$$

Así se puede definir, en forma alternativa, a la función de sobrevivencia como

$$Sx(x) = \int_x^{\infty} fx(u)du = \int_x^{\infty} \mu_x(u)\ Sx(u)\ du\ .$$

PROBABILIADAD CONDICIONAL DE FALLECER

La probabilidad condicional de fallecer en el intervalo de edades $(x,x+h)$ dado que se llegó con vida a la edad x se denota de la siguiente manera

$$ {}_hq_x = P\{ x < X \leq x+t \mid X > x \} = $$

$$ = \frac{\int_x^{x+h} fx(u)\, du}{\int_x^{\infty} fx(u)\, du} = \frac{Sx(x) - Sx(x+h)}{Sx(x)} $$

$$ = 1 - \frac{Sx(x+h)}{Sx(x)} $$

DISTRIBUCION UNIFORME

La función de sobrevivencia de la variable X en el intervalo $(a,b]$ se define como

$$ Sx(x) = \begin{cases} 1 & x \leq a \\ \dfrac{b-x}{b-a} & a < x \leq b \\ 0 & x > b \end{cases} $$

de donde la función de distribución será

$$Fx(x) = 1 - Sx(x) = \begin{cases} 0 & x \leq a \\ \dfrac{x - a}{b - a} & a < x \leq b \\ 1 & x > b \end{cases}$$

y la función de densidad

$$fx(x) = \begin{cases} 0 & x \leq a \\ \dfrac{1}{b - a} & a < x \leq b \\ 0 & x > b \end{cases}$$

La función de riesgo o fuerza de mortalidad es igual a

$$\mu_x(x) = \frac{1}{b - x} \qquad a < x \leq b \ .$$

La probabilidad condicional de morir en el periodo h será

$${}_hq_x = 1 - \frac{b - x - h}{b - x} = \frac{h}{b - x}$$

$$ {}_h q_x = \frac{h}{b - x} $$

Los valores que toman los parámetros a y b se encuentran dentro del intervalo $[0,\omega]$, ya que es dentro de él donde tendría sentido analizar a las tasas de sobrevivencia, considerando una ω fija.

En este caso se emplearon dos métodos para obtener los parámetros a y b.

1. Se obtiene la ecuación de la recta que pasa por las probabilidades de sobrevivencia observadas que tenemos para las edades 0 y ω, considerando que ésta última es igual a 85. Es así que tenemos un sistema con dos ecuaciones y dos incógnitas.

$$ S(0) = \frac{b}{b - a} $$

$$ S(85) = \frac{b - 85}{b - a} $$

de donde tenemos que

$$b = \frac{85\ S(0)}{S(0) - S(85)}$$

y

$$a = b - \frac{b}{S(0)}$$

2. Se obtiene una regresión que considere todas las probabilidades de sobrevivencia observadas, en ella las probabilidades de sobrevivencia constituyen la variable independiente, la cual depende de la edad . De tal forma que si

$$Sx(x) = \alpha + \beta x$$

con

$$\alpha = \frac{b}{b - a}$$

y

$$\beta = \frac{1}{a - b}$$

entonces

$$b = -\frac{\alpha}{\beta}$$

$$\alpha = b - \frac{b}{\alpha}$$

Los ajustes que se presentan para las probabilidades de sobrevivencia observadas empleando la distribución uniforme se basaron en los 2 puntos anteriores.

DISTRIBUCION EXPONENCIAL

La función de sobrevivencia es

$$Sx(x) = e^{-\lambda x} \qquad \lambda > 0 , \; x > 0 ,$$

por lo que la función de distribución será

$$Fx(x) = 1 - e^{-\lambda x} \qquad \lambda > 0 , \; x > 0$$

y la función de densidad

$$fx(x) = \lambda e^{-\lambda x} \qquad \lambda > 0 , \; x > 0 .$$

La función de riesgo o fuerza de mortalidad es

$$\mu_x(x) = \frac{\lambda e^{-\lambda x}}{e^{-\lambda x}} = \lambda \quad , \qquad x > 0$$

y la probabilidad condicional de morir dentro del intervalo de tiempo h

$$ {}_hq_x = 1 - \frac{e^{-\lambda x - \lambda(x+h)}}{e^{-\lambda x}} = \frac{e^{-\lambda x}(1 - e^{-\lambda h})}{e^{-\lambda x}} = 1 - e^{-\lambda h} $$

$$\boxed{ {}_hq_x = 1 - e^{-\lambda h} }$$

El valor que toma el parámetro λ se calcula despejándolo de los valores observados, teniéndose así una λ para cada uno de ellos, con excepción del primero que no se encuentra definido ya que

$$-\frac{\ln S}{x} = \lambda$$

La λ que se tomo en cuenta para el ajuste definitivo es la que resultó de obtener el promedio de las observadas, eliminando la correspondiente a la edad 80, ya que su valor se encuentra muy por encima de los demás, resultanto ser un punto aberrante que puede sesgar la información.

DISTRIBUCIONES DE GOMPERTZ Y GOMPERTZ-MAKEHAM

Se define la funcion de sobrevivencia de la variable X como

$$Sx(x) = K\, b^{\alpha^x}$$

de donde la función de distribución se calcula

$$Fx(x) = 1 - K\, b^{\alpha^x}$$

y la función de densidad

$$fx(x) = -\frac{d}{dx}\left[K\, b^{\alpha^x} \right]$$

$$= -K\,\frac{d}{dx}\left[b^{\alpha^x} \right]$$

Sea

$$R(x) = b^{a^x}$$

entonces

$$\ln R(x) = x \ln a + a^x \ln b$$

$$\frac{d}{dx} \ln R(x) = \frac{\frac{d}{dx} R(x)}{R(x)}$$

$$= a^x \ln b \ln a$$

de donde

$$fx(x) = - R(x) \frac{d}{dx} \ln R(x)$$

$$= - K b^{a^x} a^x \ln b \ln a$$

La función de riesgo o fuerza de mortalidad es

$$\mu_x(x) = \frac{- K b^{a^x} a^x \ln b \ln a}{K b^{a^x}}$$

$$= - a^x \ln b \ln a$$

y la probabilidad condicional de morir en el periodo h

$$ {}_hq_x = 1 - \frac{K\, b^{d^{(x+h)}}}{K\, b^{d^x}} $$

$$ {}_hq_x = 1 - \frac{b^{d^{(x+h)}}}{b^{d^x}} $$

La función de sobrevivencia de Gompertz-Makeham, la cual difiere de la de Gompertz por un parámetro, es la siguiente

$$ Sx(x) = K\, a^x\, b^{d^x} $$

y la correspondiente función de distribución se denota como

$$ Fx(x) = 1 - K\, a^x\, b^{d^x} $$

Es la funcion de densidad, calculándola de manera similar a la de Gompertz, igual a

$$f_x(x) = -K\, a^{x}\, b^{d^{x}} \left[\ln a + d^{x} \ln d \ln b \right]$$

mientras que la fuerza de mortalidad se encuentra definida como

$$\mu_x(x) = \frac{-K\, a^{x}\, b^{d^{x}} \left[\ln a + d^{x} \ln d \ln b \right]}{K\, a^{x}\, b^{d^{x}}}$$

$$= -d^{x} \ln d \ln b - \ln a$$

La probabilidad condicional de fallecer en el intervalo de edades $(x, x+h)$

$${}_hq_x = 1 - \frac{K\, a^{(x+h)}\, b^{d^{(x+h)}}}{K\, a^{x}\, b^{d^{x}}}$$

$$= 1 - \frac{a^{(x+h)}\, b^{d^{(x+h)}}}{a^{x}\, b^{d^{x}}}$$

El cálculo de los parámetros se realizó a partir del método de los

grupos no superpuestos [14].

DISTRIBUCION LOGISTICA

La función de distribución logística puede ser escrita como

$$Fx(x) = \frac{1}{1 + \exp(a-bx)} \quad , \quad -\infty < x < \infty \quad y \quad b > 0 .$$

de donde la función de sobrevivencia es

$$Sx(x) = 1 - \frac{1}{1 + \exp(a-bx)} = \frac{\exp(a-bx)}{1 + \exp(a-bx)}$$

$$= \exp(a-bx)\, Fx(x) \quad , \quad -\infty < x < \infty \quad y \quad b > 0 .$$

La función de densidad es

$$fx(x) = \frac{b \exp(a-bx)}{[\ 1 + \exp(a-bx)\ ]^2}$$

$$= b\,[\ 1 - Fx(x)\ ]\, Fx(x) \quad , \quad -\infty < x < \infty \quad y \quad b > 0 .$$

[14] La descripción de este método se presenta en el Anexo 2.

La función de riesgo o fuerza de mortalidad es igual a

$$\mu_x(x) = \frac{b\ \exp(a-bx)\ [\ 1 + \exp(a-bx)\ ]^{-2}}{\exp(a-bx)\ [\ 1 + \exp(a-bx)\ ]^{-1}}$$

$$= b\ Fx(x) \quad , \quad -\infty < x < \infty \quad y \quad b > 0 .$$

La probabilidad condicional de morir en el período h es igual a

$$ {}_hq_x = 1 - \frac{\exp\ \{\ a - b(x+h)\ \}\ \{\ 1 + \exp\ (a - bx)\ \}}{\exp\ \{\ a - bx\ \}\ (\ 1 + \exp\ [\ a - b(x+h)\ ]\ )}$$

$$ {}_hq_x = 1 - \frac{1 + [\ 1 \ / \ (\exp\ (a - bx)\ ]}{1 + [\ 1 \ / \ \exp(a - bx - bh)\ ]}$$

El valor de los parámetros a y b se obtuvo mediante la aplicación de una regresión en donde

$$Sx(x) = 1 - \frac{1}{1 + y}$$

con

$$y = \exp\ (a - bx)$$

lo que daría lugar a que

$$y = \frac{1}{1 - Sx(x)} - 1$$

y

$$a - bx = \ln \left[\frac{1}{1 - Sx(x)} \right]$$

ERROR MEDIO ABSOLUTO

Se introduce el concepto de *error medio absoluto* con el objeto de medir a traves de él la calidad de los ajustes que se tienen, comparando las tasas y probabilidades observadas con las estimadas. Esta medida del sesgo existente se encuentra definida como

$$\frac{\sum_x \left| {}_nq_x^{obs} - {}_nq_x^{mod} \right|}{\sum_x {}_nq_x} * 100$$

III. LAS FUNCIONES DE DISTRIBUCION APLICADAS AL FENOMENO FECUNDIDAD.

Se aplicaron los ajustes de funciones de distribución a las *tasas anuales de fecundidad* por grupos quinquenales de edad que obtuvo el Dr. sergio Camposortega Cruz[15] en proyecciones a largo plazo de la población mexicana (hasta el año 2000) basándose en la información censal de 1970. Las proyecciones de fecundidad realizadas consideran las siguientes hipótesis:

- *Hipótesis Baja.* Supone un precipitado descenso de la fecundidad pasando la tasa bruta de Reproducción (*TBR*) de 2.93 hijas por mujer en 1974-1975 a 1.75 en 1985, 1.31 en 1995 y 1.22 en el 2005.

- *Hipótesis Media.* Considera que la *TBR* llega a 1.87 en 1985, a 1.56 en 1995 y a 1.51 en el 2005.

- *Hipótesis Alta.* En ella se supone un descenso de la fecundidad lento, en donde la *TBR* llega a 2.11 en 1985, 1.90 en 1995 y 1.85 en el 2005.

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15 Camposortega Cruz, Sergio. "Proyecciones de la Población Mexicana 1970-2040". Tesis de Maestría. El Colegio de México. México, D. F. 1980.

En los tres casos anteriores se suponen descensos de tipo logístico.

En el cuadro 1[16] se presentan las tasas anuales de fecundidad obtenidas por Camposortega de 1975 al 2020. El cuadro 2 difiere del 1 en que contiene la descendencia promedio, la edad media a la maternidad y la varianza alrededor de la media.

A continuación se efectúa un análisis de los resultados obtenidos al ajustar cada una de las funciones de distribución.

DISTRIBUCION DE HADWIGER

Los cuadros 3 al 5 presentan el ajuste de la función de Hadwiger para las hipótesis alta, media y baja respectivamente. En los tres cuadros se puede apreciar que el valor estimado para el grupo de edades 15-19 se encuentra muy por debajo del valor observado, y que si bien todas tienen su valor máximo en el grupo de edades 20-24, el ajuste lo presenta, para el año de 1975 en el tercer grupo.

Para las tres hipótesis el valor que se obtiene como descendencia final a partir de las tasas ajustadas es superior al observado,

[16] Los Cuadros y gráficas se encuentran en el Anexo 3.

mientras que la edad media a la maternidad será siempre menor, exceptuando las correspondientes a los años de 1990 en adelante para las hipótesis media y baja.

Es la varianza alrededor de la edad media a la maternidad inferior en todos los casos para las tasas estimadas.

DISTRIBUCION GAMMA

Presentan los cuadros 6 al 8 el ajuste de la distribución Gamma. Al igual que para la función de Hadwiger, varía en el ajuste el grupo de edades en el cual se alcanza el valor máximo, para el año de 1975, en las tres hipótesis. También en este año se tiene una descendencia mayor para el valor observado, aunado a las [illegible]rvadas del 2010 al 2020 para la hipótesis media.

[illegible]an siempre, los valores observados, una edad media a la [illegible]didad y, una varianza alrededor de la misma, superiores a las obtenidas mediante el ajuste.

DISTRIBUCION LOGNORMAL

Contienen los cuadros 9 al 11 los resultados de ajustar esta

distribución. El año de 1975 repite lo observado hasta el momento, en cuanto a que en él, se tiene para el ajuste, una tasa de fecundidad máxima en un grupo posterior.

La descendencia final, edad media a la maternidad y varianza alrededor de la media son mayores, en todos los años, para los valores observados.

POLINOMIO DE TERCER GRADO

El ajuste de polinomios de tercer grado, los cuales no son otra cosa que un caso particular de la función de distribución Pearson I, se presentan, para las tres hipótesis, en los cuadros 12 a 14.

En la hipótesis alta se alcanza siempre un valor máximo de la función de ajuste en el grupo de edades 25-29, mientras que los valores observados lo presentan en el segundo grupo de edades. Lo mismo ocurre en la hipótesis media hasta el 2005 y en la baja hasta 1985. En los demás años se contempla el valor máximo de las tasas de fecundidad en el grupo de edades 20-24.

Las descendencias finales estimadas son siempre mas grandes que las observadas. Lo contrario ocurre con la edad media a la maternidad, sin contar con los resultados que se tienen en la

hipótesis baja de 1990 en adelante, en donde es superior el valor estimado.

Es la varianza alrededor de la media mayor para el ajuste en los años 1975 y 1980 de la hipótesis alta; 1975, 1980 y, de 1995 en adelante para la hipótesis media; 1975 y de 1990 al 2020 en la hipótesis baja.

III.1. COMPARACION ENTRE LOS DISTINTOS AJUSTES.

HIPOTESIS ALTA

Se presenta una comparación de la bondad del ajuste de las distintas funciones de distribución aplicadas a las tasas anuales de fecundidad para la hipótesis alta en los cuadros 15 al 17 y en las gráficas 1 a 10.

El cuadro 16 muestra como las distribuciones de Hadwiger, Gamma y Lognormal presentan, con el paso del tiempo, un ajuste cada vez mejor al disminuir su error medio absoluto. El Polinomio de tercer grado parte de una bondad en el ajuste considerablemente buena a una estimación cada vez peor. Basándonos en este cuadro, en las graficas 1 a 10 y en el cuadro 17; se eligiría un Polinomio de

tercer grado de 1975 a 1990. En estos años, exceptundo 1990, la TBR observada es superior a 2 y difiere mínimamente de la estimada. Las gráficas muestran como el ajuste del Polinomio es conveniente para curvas de valores observados con cúspides dilatadas.

En el año de 1990 la diferencia entre el ajuste de la Gamma y el Polinomio es mínima. A partir de 1995 la Gamma otorgaría el mejor ajuste. En estos años la TBR es inferior a 2 y las gráficas 5 a 10 muestran como la curva de los valores observados y estimados presentan una cúspide temprana.

Las funciones de Hadwiger y Lognormal, de acuerdo con lo observado en las gráficas se ajustan bien a cúspides tempranas. De entre estas dos distribuciones es la Lognormal la que presenta un mejor ajuste.

HIPOTESIS MEDIA

En los cuadros 18 y 19 se muestran una comparación de las tasas anuales de fecundidad observadas y estimadas bajo la hipótesis media.

El Polinomio de Tercer Grado presenta el mejor ajuste hasta 1980,

año a partir del cual la Gamma será mejor. Cabe mencionar que es hasta 1980 que se tiene una TBR superior a 2 (ver cuadro 20). El Polinomio presenta una bondad en el ajuste que se deficienta con el paso de los años y con la Hadwiger y la Lognormal pasa lo contrario. De entre esats dos distribuciones es la Lognormal la que presenta un error medio absoluto inferior.

Se observa que todas las funciones de distribución, exceptuando al Polinomio de Tercer Grado, presentan un ajuste que mantiene la forma de la cúspide de los datos observados (ver gráficas 11 a 20).

HIPOTESIS BAJA

Los cuadros 21 y 22 presentan una comparación de tasas anuales de fecundidad observadas y estimadas para la hipótesis baja.

Es nuevamente hasta 1980 que el mejor ajuste lo dá el Polinomio de Tercer Grado, viniéndolo a sustituir posteriormente la distribución Gamma. Es para TBR superiores a 2 que el Polinomio muestra un mejor ajuste, lo contrario ocurre con la Gamma.

En las gráficas 21 a 30 se puede observar con claridad como el Polinomio siempre presenta un ajuste con una cúspide dilatada.

Conviene mencionar que pasando de la hipótesis alta a la baja, las funciones de Hadwiger, Gamma y Lognormal presentaron un error medio absoluto menor. De las tres funciones la Gamma presenta el mejor ajuste, en segundo lugar se encuentra la Lognormal y en tercero la Hadwiger.

Un punto interesante sobre el cual cabe hacer mención es la diferencia con respecto al valor observado que presentan la descendencia promedio, la edad media a la maternidad y la tasa bruta de reproducción obtenidas a partir de los ajustes de las funciones de distribución (ver cuadros 17, 20 y 23).

Las hipótesis alta y media presentan la menor desviación con respecto al valor observado de estas medidas en todos los años cuando ajustamos un Polinomio de Tercer Grado, mientras que la función que presenta la diferencia mayor es la Gamma, aún cuando comparando las tasas observadas y estimadas por grupo de edades nos presenta el mejor ajuste para los ultimos años. Las diferencias existentes para el caso de la función de Hadwiger y la Lognormal se encuentran entre las correspondientes a los ajustes ya mencionados y no varían mucho entre sí.

En el cuadro 23, se muestra como para la hipótesis baja, la diferencia entre el valor observado y el estimado de la descendencia promedio es mayor para la Gamma de 1975 a 1990, año a partir del cual será superior para la Hadwiger. Por otro lado la

diferencia menor la presenta el Polinomio hasta 1995 y, a partir del 2000 la Gamma.

La edad media a la maternidad observada, para ésta misma hipótesis, comparando con los valores estimados, presenta el sesgo mas grande en 1975 con el ajuste de la Lognormal, y de ahí en adelante con el de la Gamma. Por otro lado el sesgo menor lo presenta el Polinomio hasta 1990 y a partir de este año la Lognormal. El sesgo menor, al analizar las diferencias entre tasas brutas de reproducción, lo presenta el Polinomio hasta 1995, y del año 2000 en adelante la Gamma. Las distribuciones Lognormal y Hadwiger presentan sesgos semejantes, siendo en general mayores los de la Hadwiger.

IV. LAS FUNCIONES DE DISTRIBUCION APLICADAS AL FENOMENO MORTALIDAD.

El Dr. Camposortega efectuó en su tesis de Maestría[17], proyecciones de la población mexicana hasta el 2040. Seleccionó dos alternativas hipotéticas sobre el futuro comportamiento de la mortalidad suponiendo para ambas:

- Mayores probabilidades de éxito en comparación con los otros fenómenos demográficos.
- Menor influencia cuantitativa de la mortalidad, en comparación con la fecundidad, dentro de la dinámica demográfica.

Los supuestos que presenta en cada una de las hipótesis se presentan a continuación:

Hipótesis Baja.

- Incremento en la esperanza de vida para alcanzar niveles similares a los observados en países como España, Italia, Grecia o Puerto Rico, dentro del periodo de proyección, aproximadamente entre el 2010 y 2020.

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17 Camposortega Cruz, Sergio. Op. Cit.

- Alcanzar hacia finales del periodo de proyección niveles cercanos a los que se observaban en 1975 en los países escandinavos.

- Lograr ganancias anuales en la esperanza de vida que se ubiquen entre los dos grupos de países ya mencionados.

Se parte en estos supuestos de que la estructura económica alcance mejoras sustanciales.

Hipótesis Alta.

- Incrementos en la esperanza de vida para alcanzar niveles semejantes a los que prevalecen en países como Argentina o Uruguay entre el 2020 y el 2020.

- Alcanzar hacia el 2040 niveles cercanos a los observados al momento de efectuar las proyecciones en España o Italia.

- Lograr ganancias anuales dentro de los limites marcados por los paises europeos ya mencionados.

En ambas hipótesis se contemplan:

- Mantener las disminuciones en los niveles de mortalidad.

- Reducir los ritmos de descenso conforme se alcancen niveles menores.

- Incremento gradual en la diferencia a favor de la esperanza de vida femenina.

- Aparición de descensos mayores en las edades mas jóvenes.

Basándose en estas hipótesis Camposortega construyó tablas abreviadas de mortalidad para ambas hipótesis y por sexo, cada 5 años, hasta el 2040. En este trabajo se empleó la serie de los cocientes de mortalidad (${}_nq_x$) de dichas tablas, los que se utilizaron para calcular las probabilidades de sobrevivencia (las cuales hemos denotado como ${}_nS_x$) al sustraer de 1 a las ${}_nq_x$.

Los cuadros 24 y 25 presentan las probabilidades de sobrevivencia proyectadas, desde 1975 hasta el año 2040 para ambas hipótesis, así como para las poblaciones masculinas y femeninas respectivamente.

Una vez obtenidas las probabilidades de sobrevivencia se procedió a ajustar las funciones de distribución con el objeto de determinar aquélla que brinda el mejor ajuste.

DISTRIBUCION UNIFORME

Los ajustes de la distribución Uniforme se presentan en los

cuadros 26 a 29. Se emplearon, como ya se mencionó en la metodología, dos ajustes. El problema con la aplicación de esta ditribución es que otorga un ajuste no del todo satisfactorio, aún en el caso en el que se empleó una regresión que minimizara los errores (cuadros x'), al tratarse de un ajuste lineal. No obstante se considero importante el mencionarlo, porque en ocasiones debido a la sencillez de la aplicación del mismo, se llega a utilizar.

Una vez estimando las probabilidades de sobrevivencia se calcularon las respectivas probabilidades condicionales de fallecer y la fuerza de mortalidad. Se puede observar como en los casos en que se determinó el ajuste empleando una regresión lineal se obtuvieron probabilidades superiores a uno hasta los 15 años de edad, y se obtuvieron probabilidades condicionales de fallecer distintas de uno a los 80 años. Por otro lado la fuerza de mortalidad siempre es muy pequeña si comparamos con la obtenida a partir del otro método.

DISTRIBUCION EXPONENCIAL

El ajuste de la distribución Exponencial a las probabilidades de sobrevivencia observadas se presenta en los cuadros 30 al 33. El ajuste que presenta esta distribución es mejor que el anterior,

aunque para las edades 75 y 80 no lo es tanto, sobre todo en ésta última, ya que es muy superior a uno. Otra cuestión importante es que la fuerza de mortalidad es constante para todas las edades ($\mu = \lambda$), y las probabilidades condicionales de fallecer no dependen de la edad, sino de la amplitud del grupo, lo que no hablaría muy bien del ajuste.

DISTRIBUCION DE GOMPERTZ

Los ajustes de la distribución de Gompertz a las probabilidades observadas para las dos hipótesis y por sexo se presentan en los cuadros 34 a 37. El método de los grupos superpuestos que se utilizó para determinar los parámetros de esta función requiere el que los grupos de edades sean del mismo tamaño, por lo que se estimaron probabilidades para grupos quinquenales, sin desagregar al primero en dos. La probabilidad de sobrevivencia calculada para el valor observado se obtuvo para el primer grupo de edad considerando la l_5 y la l_0. Por, otro lado dado que el ajuste considera hasta la edad 75, para los 80 años se agregó una probabilidad igual a cero.

El ajuste de esta curva presenta probabilidades estimadas superiores a uno hasta los 20 años. La fuerza de mortalidad no es constante y la probabilidad condicional de fallecer a los 80 años

es muy cercana a uno.

DISTRIBUCION DE GOMPERTZ-MAKEHAM

Los ajustes de la distribución de Gompertz-Makeham se presentan en los cuadros 38 a 41. Las probabilidades estimadas son superiores a uno hasta los 25 años. De igual forma que para la función anterior se calcularon las probabilidades estimadas. La fuerza de mortalidad no es constante y la probabilidad condicional de fallecer a los 80 años es, nuevamente, muy cercana a uno.

DISTRIBUCION LOGISTICA

El ajuste de la distribución Logística se presenta de los cuadros 42 al 45. Se puede observar en ellos que las probabilidades estimadas presentan un buen ajuste, aunque la que se obtiene para los 80 años se encuentra muy por encima de cero. La fuerza de mortalidad es creciente y las probabilidades condicionales de fallecer son muy bajas, sobre todo la correspondiente a la última edad considerada que difiere por mucho de uno.

IV.1. COMPARACION ENTRE LOS DISTINTOS AJUSTES.

POBLACION MASCULINA

Hipotesis Alta

La comparación de las probabilides de sobrevivencia estimadas a través de las distribuciones Uniforme, Exponencial y Logística para la población masculina e hipótesis alta del año 1975 al 2040 se presentan en los cuadros 46 y 47, y en las gráficas 31 a 44.

El cuadro 47 nos muestra claramente como el mejor ajuste lo brinda la distribución logística, que además presenta una bondad del mismo mayor con el paso del tiempo, al ir disminuyendo el error medio absoluto, con excepción de los correspondientes a los años 2015, 2020 y 2025 que se incrementan para volver a disminuir posteriormente. El segundo mejor ajuste lo presenta la distribución exponencial, que disminuye también su error el paso del tiempo, a excepción del correspondiente al 2025. La distribución Uniforme presenta el peor ajuste, y de los dos métodos empleados es el que considera una regresión (Uniforme 2) el que presenta una bondad mayor.

Las gráficas nos muestran claramente como el mejor ajuste lo brinda la distribución logística, la cual resulta sumamente

atractiva si no consideramos la ultima edad. Desafortunadamente, por otro lado, no es posible percibir en ellas tan claramente como en los cuadros las diferencias que presentan los ajustes con el paso del tiempo.

Los cuadros 48 y 49, así como las gráficas 45 a 58 presentan una comparación de las probabilidades de sobrevivencia obtenidas a traves de las distribuciones de Gompertz y Gompertz-Makeham.

Se presentan las comparaciones por separado de las anteriores debido a que no desagregan el primer grupo de edad. Tanto en las gráficas como en los cuadros se puede apreciar como presentan un ajuste mucho mejor que las anteriores. De estas dos distribuciones, la que presenta un mejor ajuste es la de Gompertz. Por otro lado los errores medios absolutos van disminuyendo con el paso del tiempo, con excepción del correspondiente al 2015 que se incrementa, para volver a disminuir posteriormente.

Hipotesis Baja

Los cuadros 50 y 51, al igual que las gráficas 59 a la 72 presentan una comparación de las probabilidades de sobrevivencia obtenidas mediante las distribuciones Uniforme, Exponencial y

Logística, para la población masculina e hipótesis baja de los años 1975 al 2040.

Es la función Logística la que presenta el mejor ajuste e incluso el error medio absoluto es inferior que el correspondiente a la hipótesis baja y va disminuyendo con el paso de los años. El ajuste de las otras distribuciones no presenta cambios tan notorios como la Logística a pasar de la hipótesis alta a la baja.

Se encuentra una comparación de los ajustes de las distribuciones de Gompertz y Gompertz-Makeham en los cuadros 52 y 53, y en las gráficas 73 a 85.

El mejor ajuste lo presenta la función de Gompertz, la cual además de presentar un mejor ajuste con el paso del tiempo, también muestra un error medio absoluto inferior al que se tenía en la hipótesis alta.

POBLACION FEMENINA

Hipotesis Alta

La comparación de las probabilidades de sobrevivencia femeninas proyectadas, con las estimadas mediante las distribuciones

Uniforme, Exponencial y Logística para los años 1980 al 2040[18] y considerando la hipótesis alta se presentan en los cuadros 54 y 55, y en las gráficas 87 a 99.

Al igual que para la población masculina la distribución Logística presenta el mejor ajuste y la Uniforme el peor. Sin embargo los errores medios absolutos obtenidos para la función Logística se encuentran muy por debajo que los obtenidos para la población masculina, los otros ajustes varían muy poco.

La bondad en el ajuste que presenta cada distribución mejora con el paso del tiempo. En las gráficas se percibe nítidamente que es la Logística la función que presenta el mejor ajuste. No obstante, por tener variaciones en las estimaciones muy pequeñas de lustro en lustro, las gráficas parecen ser iguales.

Una comparación de los ajustes de las distribuciones de Gompertz y Gompertz-Makeham se presenta en los cuadros 56 y 57, y en las gráficas 100 a 112. Es otra vez la función de Gompertz la que presenta el mejor ajuste, el cual a su vez presenta errores medios absolutos que disminuyen con los años y que son inferiores a los obtenidos bajo esta misma hipótesis para la población masculina.

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[18] Desafortunadamente no se contaba con la tabla de vida que obtuvo Camposortega para 1975.

Hipotesis Baja

Los cuadros 58 y 59, así mcomo también las gráficas 113 a 125 presentan la comparación entre los ajustes de las distribuciones Uniforme, Exponencial y Logística. De ellas es ésta última la que posee un error medio absoluto menor, que disminuye con los años y que además es inferior al que se obtuvo para la población masculina. La distribución Uniforme es la que arroja el error mas grande, y de ellas la óptima es la que se calculó en base a una regresión.

En los cuadros 60 y 61, así como en las gráficas 126 a 138 se presenta una comparación de los valores observados con los obtenidos a partir del ajuste de las distribuciones de Gompertz y Gompertz-Makeham.

La función de Gompertz presenta el error medio absoluto menor, que disminuye con el paso del tiempo y que es inferior al obtenido en la hipótesis alta, y al correspondiente a la población masculina, hipótesis baja.

En las dos hipótesis y por sexo, la función de Gompertz presenta un mejor ajuste que la de Gompertz-Makeham, pero no por ello la estimación de ésta última es deficiente, ya que en comparación con la Uniforme y la Exponencial presenta una bondad mayor su ajuste.

V. CONCLUSIONES.

Los ajustes de funciones de distribución que se presentaron, aplicados a tasas específicas de fecundidad y a probabilidades de sobrevivencia presentaron resultados satisfactorios.

Al efectuar los ajustes de las funciones de distribución se pudieron concluir cuestiones muy significativas.

Se recomienda ajustar un Polinomio de Tercer Grado a poblaciones o subpoblaciones en las cuales se tenga una tasa bruta de reproducción superior a 2 y se tenga una curva, al graficar las tasas especificas de fecundidad por grupos de edades, con una cúspide dilatada.

Las distribuciones de Hadwiger y Lognormal presentan un buen ajuste en casos en que se tiene una cúspide temprana y que la tasa bruta de reproducción es inferior a 2. De éstas dos, es la Lognormal la que otorga el mejor ajuste.

La función Gamma presenta una bondad en el ajuste considerablemente buena en aquellos casos en los que se tiene una cúspide temprana y una tasa bruta de reproducción inferior a uno. Comparándola con la Hadwigwer y la Lognormal, esta función presenta resultados mucho mejores.

Todas las distribuciones presentan una bondad en el ajuste mejor con el paso de los años y la disminución consecuente de la tasa bruta de reproducción, con excepción del Polinomio de Tercer Grado.

Los resultados que se obtuvieron al aplicar funciones de distribución al fenómeno mortalidad son muy claros.

El ajustar una distribución lineal, como lo es el caso de la Uniforme presenta resultados nada satisfactorios. La bondad del ajuste que presenta la función Exponencial no es malo, aunque lo supera por mucho el de la distribución Logística.

El análisis efectuado de las distribuciones de Gompertz y Gompertz-Makeham muestran resultados sumamente satisfactorios, aunque cabría hacer la aclaración de que para estas dos funciones se forzó a la función para que fuese la probabilidad de sobrevivencia en la edad 80 igual a cero, edad en la que la curva de los valores observados presenta una abrupta caída y que cualquiera de las funciones no puede simular adecuadamente.

El mejor ajuste lo brinda la distribución de Gompertz, le siguen la distribución de Gompertz-Makeham en la hipótesis alta, y la Logística en la baja.

Las distribuciones empleadas presentan errores medios absolutos menores para la población femenina, y también con el paso del tiempo, lo que equivale a decir que al tener mejores niveles de vida en una población (probabilidades de sobrevivencia mayores) se tendrán mejores ajustes. Esto sin olvidar que son las probabilidades de sobrevivencia femeninas mayores que las de los hombres.

A N E X O 1

FUNCIONES CONTINUAS DE LA TABLA DE VIDA

FUNCIONES CONTINUAS DE LA TABLA DE VIDA.[1]

El poder tener funciones contínuas que describan los fenómenos demográficos nos permiten un análisis de los mismos más profundo. Es por ello que resulta sumamente importante el obtener funciones contínuas de la tabla de vida.

Se calcula la tasa instantánea de mortalidad, μ_x, como

$$\mu_x = - \frac{d \ \ln lx}{dx}$$

y a partir de ella es posible construir una tabla en donde tendríamos

- Los sobrevivientes a edad exacta x.

$$l(x) = C \exp \left[- \exp \int_0^x \mu(t) \, dt \right]$$

en donde si x fuese igual a cero tendríamos que $C = lo$.

[1] Keyfitz, Nathan. "Introducción a las Matemáticas de Población". CELADE, Santiago de Chile, 1979, pp. 6.

- La probabilidad que tiene una persona de edad x de sobrevivir n años.

$$\frac{l(x+n)}{l(x)} = \exp\left[-\int_{x}^{x+n} \mu(t)\, dt \right]$$

- Las defunciones entre las edades x y $x+dx$.

$$dx = \int_{0}^{1} l(x+t)\ \mu(x+t)\, dt$$

- El número de personas entre las edades x y $x+dx$. Cuando hablamos de una cohorte ficticia ${}_nLx$ es el número de años-persona vividos por la misma entre x y $x+n$.

$${}_nLx = \int_{0}^{n} l(x+t)\, dt$$

- El total de años-persona vividos.

$$Tx = \int_{0}^{w-x} l(x+t)\, dt$$

- La esperanza de vida a la edad x.

$$\frac{Tx}{lx} = {}^{o}e_{x}$$

A N E X O 2

METODO DE LOS GRUPOS NO SUPERPUESTOS

METODO DE LOS GRUPOS NO SUPERPUESTOS.

El cálculo óptimo de los valores de los parámetros correspondientes a las funciones de Gompertz y Gompertz-Makeham no existe, pero puede obtenerse una buena estimación de los mismos mediante el método de ajuste de los grupos no superpuestos [1], que se describirá en este anexo.

El método se desarrollará únicamente para la función de Gompertz-Makeham, ya que el desarrollo correspondiente para la función de Gompertz es equivalente.

La función de Gompertz-Makeham se puede expresar de la siguiente manera

$$S(x) = Ka^{x}b^{d^{x}},$$

en donde los parámetros K, a, b y d son desconocidos; para determinar sus valores habrá que, primero, dividir el número de observaciones que se tengan en cuatro grupos, cada uno de los cuales deberá de contar con el mismo número de datos, así se tiene que:

[1] Bocaz, Albino. "El uso de la ley de Makeham como función demográfica", Notas de Población, CELADE, Año 11, Vol. 6, Diciembre de 1974. pp. 41.

Primer grupo:

x : 0, 1, 2, ..., m-1

Sx : S_0, S_1, S_2, ..., S_{m-1}

Segundo grupo:

x : m, m+1, m+2, ..., 2m-1

Sx : S_m, S_{m+1}, S_{m+2}, ..., S_{m-1}

Tercer grupo:

x : 2m, 2m+1, 2m+2, ..., 3m-1

Sx : S_{2m}, S_{2m+1}, S_{2M+2}, ..., S_{3m-1}

Cuarto grupo:

x : 3m, 3m+1, 3m+2, ..., 4m-1

Sx : S_{3m}, S_{3m+1}, S_{3m+2}, ..., S_{4m-1}

Se calculan posteriormente los logaritmos decimales para cada una de las observaciones y denotando a la suma de ellas para cada grupo por T_0, T_1, T_2 y T_3.

$$To = \sum_{x=0}^{m-1} (\log K + x \log a + d^x \log b)$$

$$= m \log K + \log a \sum_{x=0}^{m-1} x + \log b \sum_{x=0}^{m-1} d^x$$

$$= m \log K + \log a \left[\frac{m(m-1)}{2} \right] + \log b \left[\frac{d^m - 1}{d - 1} \right]$$

$$T_1 = \sum_{x=m}^{2m-1} (\log K + x \log a + d^x \log b)$$

$$= m \log k + \log a \left[\sum_{x=0}^{2m-1} x - \sum_{x=0}^{m-1} x \right]$$

$$+ \log b \left[\sum_{x=0}^{2m-1} d^x - \sum_{x=0}^{m-1} d^x \right]$$

$$= m \log K + \log a \left[\frac{2m(2m-1)}{2} - \frac{m(m-1)}{2} \right]$$

$$+ \log b \left[\frac{d^{2m} - 1}{d - 1} - \frac{d^m - 1}{d - 1} \right]$$

$$T_1 = m \log K + \log a \left[m^2 + \frac{m(m-1)}{2} \right] + \log b \left[d^m \frac{d^m - 1}{d - 1} \right]$$

$$T_2 = \sum_{x=2m}^{3m-1} (\log K + x \log a + d^x \log b)$$

$$= m \log K + \log a \left[\sum_{x=0}^{3m-1} x - \sum_{x=0}^{2m-1} x \right]$$

$$+ \log b \left[\sum_{x=0}^{3m-1} d^x - \sum_{x=0}^{2m-1} d^x \right]$$

$$= m \log K + \log a \left[\frac{3m(3m-1)}{2} - \frac{(2m-1)2m}{2} \right]$$

$$+ \log b \left[\frac{d^{3m} - 1}{d - 1} - \frac{d^{2m} - 1}{d - 1} \right]$$

$$= m \log K + \log a \left[2m^2 + \frac{m(m-1)}{2} \right] + \log b \left[d^{2m} \frac{d^m - 1}{d - 1} \right]$$

$$T_3 = \sum_{x=3m}^{4m-1} (\log K + x \log a + d^x \log b)$$

$$= m \log K + \log a \left[\sum_{x=0}^{4m-1} x - \sum_{x=0}^{3m-1} x \right]$$

$$+ \log b \left[\sum_{x=0}^{4m-1} d^x - \sum_{x=0}^{3m-1} d^x \right]$$

$$= m \log K + \log a \left[\frac{4m(4m-1)}{2} - \frac{3m(3m-1)}{2} \right]$$

$$+ \log b \left[\frac{d^{4m} - 1}{d - 1} - \frac{d^{3m} - 1}{d - 1} \right]$$

$$= m \log K + \log a \left[3m^2 + \frac{m(m-1)}{2} \right] + \log b \left[d^{3m} \frac{d - 1}{d - 1} \right]$$

Lo que se procede a realizar posteriormente es el cálculo de las primeras y segundas diferencias de las sumas anteriores, así

$$\Delta To = T_1 - To = m^2 \log a + \frac{(d^m - 1)^2}{d - 1} \log b$$

$$\Delta T_1 = T_2 - T_1 = m^2 \log a + d^m \frac{(d^m - 1)^2}{d - 1} \log b$$

$$\Delta T_2 = T_3 - T_2 = m^2 \log a + d^{2m} \frac{(d^m - 1)^2}{d - 1} \log b$$

$$\Delta^2 To = \Delta T_1 - \Delta To = \frac{(d^m - 1)^3}{d - 1} \log b$$

$$\Delta^2 T_1 = \Delta T_2 - \Delta T_1 = d^m \frac{(d^m - 1)^3}{d - 1} \log b$$

Dividiendo $\Delta^2 T_1$ entre $\Delta^2 To$ tenemos que

$$d^m = \frac{\Delta^2 T_1}{\Delta^2 To}$$

de donde

$$d = \left[\frac{\Delta^2 T_1}{\Delta^2 T_o} \right]^{1/m}$$

Una vez conociendo el valor del parámetro d, y sustituyéndolo en la fórmula para calcular $\Delta^2 To$ se obtiene el valor del parámetro b

$$b = \text{antilog} \left[\frac{\Delta^2 To\ (d-1)}{(d^m - 1)^3} \right]$$

Si se despeja de la ecuación para calcular ΔTo el parámetro a, se tiene

$$a = \text{antilog} \left[\frac{1}{m^2} \left(\Delta^2 To - \frac{\Delta^2 To}{(d^m - 1)} \right) \right]$$

Al parámetro K se le pide cumplir con el criterio de mínimos cuadrados, de donde, si

$$Q = \sum_{x=o}^{4m-1} \left[\overset{\sigma}{Sx} - Ka^x b^{d^x} \right]^2$$

y dado $V(x) = a^x b^{d^x}$, resulta

$$Q = \sum_{x=0}^{4m-1} \left[\overset{\sigma}{Sx} - KV(x) \right]^2$$

se tiene que tener que

$$\frac{\partial Q}{\partial K} = 2 \sum_{x=0}^{4m-1} \left[\overset{\sigma}{Sx} - KV(x) \right]^2 \left[-V(x) \right] = 0$$

esto es

$$- 2 \sum_{x=0}^{4m-1} \overset{\sigma}{Sx}\, V(x) + 2 \sum_{x=0}^{4m-1} K\, V^2(x) = 0$$

con lo que

$$K = \frac{\sum_{x=0}^{4m-1} \overset{\sigma}{Sx}\, V(x)}{\sum_{x=0}^{4m-1} V^2(x)}$$

A N E X O 3

CUADROS Y GRAFICAS

Cuadro 1

TASAS ANUALES DE FECUNDIDAD, 1975 - 2020

Grupos de Edades	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020
Hipótesis Alta										
15-19	0.1025	0.1016	0.0916	0.0863	0.0839	0.0830	0.0824	0.0818	0.0812	0.0805
20-24	0.2918	0.2731	0.2550	0.2441	0.2391	0.2369	0.2357	0.2343	0.2329	0.2315
25-29	0.2873	0.2495	0.2217	0.2074	0.2011	0.1985	0.1970	0.1954	0.1937	0.1921
30-34	0.2492	0.1781	0.1497	0.1361	0.1304	0.1280	0.1267	0.1253	0.1238	0.1224
35-39	0.1743	0.1151	0.0931	0.0828	0.0785	0.0768	0.0758	0.0748	0.0737	0.0726
40-44	0.0807	0.0573	0.0441	0.0381	0.0356	0.0346	0.0341	0.0335	0.0328	0.0323
45-49	0.0165	0.0155	0.0111	0.0092	0.0084	0.0081	0.0079	0.0078	0.0076	0.0074
Hipótesis Media										
15-19	0.1025	0.0976	0.0831	0.0750	0.0713	0.0699	0.0693	0.0688	0.0682	0.0676
20-24	0.2918	0.2663	0.2372	0.2187	0.2098	0.2063	0.2050	0.2035	0.2021	0.2007
25-29	0.2873	0.2382	0.1989	0.1776	0.1683	0.1646	0.1632	0.1617	0.1603	0.1589
30-34	0.2492	0.1662	0.1284	0.1100	0.1024	0.0994	0.0983	0.0971	0.0960	0.0949
35-39	0.1743	0.1058	0.0770	0.0637	0.0583	0.0563	0.0555	0.0547	0.0539	0.0532
40-44	0.0807	0.0516	0.0347	0.0273	0.0243	0.0232	0.0228	0.0224	0.0220	0.0216
45-49	0.0165	0.0136	0.0082	0.0059	0.0050	0.0046	0.0045	0.0044	0.0043	0.0042
Hipótesis Baja										
15-19	0.1025	0.0966	0.0788	0.0671	0.0612	0.0585	0.0575	0.0570	0.0569	0.0568
20-24	0.2918	0.2645	0.2275	0.1993	0.1841	0.1771	0.1742	0.1731	0.1726	0.1724
25-29	0.2873	0.2355	0.1874	0.1576	0.1427	0.1362	0.1336	0.1325	0.1321	0.1319
30-34	0.2492	0.1634	0.1183	0.0938	0.0825	0.0778	0.0759	0.0752	0.0749	0.0747
35-39	0.1743	0.1036	0.0697	0.0524	0.0449	0.0418	0.0405	0.0400	0.0398	0.0397
40-44	0.0807	0.0503	0.0306	0.0212	0.0172	0.0156	0.0150	0.0148	0.0147	0.0146
45-49	0.0165	0.0132	0.0069	0.0040	0.0029	0.0025	0.0023	0.0022	0.0022	0.0022

Fuente: Camposortega Cruz Sergio. "Proyecciones de la Población Mexicana 1970-2040". Tesis de Maestría. El Colegio de México. México, D.F.,1980.

Cuadro 2

TASAS ANUALES DE FECUNDIDAD, DESCENDENCIA PROMEDIO, EDAD MEDIA A LA MATERNIDAD Y VARIANZA ALREDEDOR DE LA EDAD MEDIA, 1975 - 2020

Grupos de Edades	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020
HIPOTESIS ALTA										
Tasas de Fecundidad										
15-19	0.1025	0.1016	0.0916	0.0863	0.0839	0.0830	0.0824	0.0818	0.0812	0.0805
20-24	0.2918	0.2731	0.2550	0.2441	0.2391	0.2369	0.2357	0.2343	0.2329	0.2315
25-29	0.2873	0.2495	0.2217	0.2074	0.2011	0.1985	0.1970	0.1954	0.1937	0.1921
30-34	0.2492	0.1781	0.1497	0.1361	0.1304	0.1280	0.1267	0.1253	0.1238	0.1224
35-39	0.1743	0.1151	0.0931	0.0828	0.0785	0.0768	0.0758	0.0748	0.0737	0.0726
40-44	0.0807	0.0573	0.0441	0.0381	0.0356	0.0346	0.0341	0.0335	0.0328	0.0323
45-49	0.0165	0.0155	0.0111	0.0092	0.0084	0.0081	0.0079	0.0078	0.0076	0.0074
D =	6.0115	4.9510	4.3315	4.0200	3.8850	3.8295	3.7982	3.7645	3.7285	3.6940
$\bar{y}$ =	29.2013	28.3377	27.9294	27.7245	27.6345	27.5973	27.5773	27.5578	27.5315	27.5108
σ =	51.9691	51.8558	49.3943	48.0435	47.4047	47.1605	47.0077	46.8920	46.7034	46.5416
HIPOTESIS MEDIA										
Tasas de Fecundidad										
15-19	0.1025	0.0976	0.0831	0.0750	0.0713	0.0699	0.0693	0.0688	0.0682	0.0676
20-24	0.2918	0.2663	0.2372	0.2187	0.2098	0.2063	0.2050	0.2035	0.2021	0.2007
25-29	0.2873	0.2382	0.1989	0.1776	0.1683	0.1646	0.1632	0.1617	0.1603	0.1589
30-34	0.2492	0.1662	0.1284	0.1100	0.1024	0.0994	0.0983	0.0971	0.0960	0.0949
35-39	0.1743	0.1058	0.0770	0.0637	0.0583	0.0563	0.0555	0.0547	0.0539	0.0532
40-44	0.0807	0.0516	0.0347	0.0273	0.0243	0.0232	0.0228	0.0224	0.0220	0.0216
45-49	0.0165	0.0136	0.0082	0.0059	0.0050	0.0046	0.0045	0.0044	0.0043	0.0042
D =	6.0115	4.6965	3.8375	3.3910	3.1970	3.1215	3.0930	3.0630	3.0340	3.0055
$\bar{y}$ =	29.2013	28.1681	27.6036	27.3098	27.1833	27.1308	27.1128	27.0935	27.0756	27.0591
σ =	51.9691	50.8712	47.2043	45.0685	44.0544	43.6287	43.4849	43.3624	43.2156	43.0763
HIPOTESIS BAJA										
Tasas de Fecundidad										
15-19	0.1025	0.0966	0.0788	0.0671	0.0612	0.0585	0.0575	0.0570	0.0569	0.0568
20-24	0.2918	0.2645	0.2275	0.1993	0.1841	0.1771	0.1742	0.1731	0.1726	0.1724
25-29	0.2873	0.2355	0.1874	0.1576	0.1427	0.1362	0.1336	0.1325	0.1321	0.1319
30-34	0.2492	0.1634	0.1183	0.0938	0.0825	0.0778	0.0759	0.0752	0.0749	0.0747
35-39	0.1743	0.1036	0.0697	0.0524	0.0449	0.0418	0.0405	0.0400	0.0398	0.0397
40-44	0.0807	0.0503	0.0306	0.0212	0.0172	0.0156	0.0150	0.0148	0.0147	0.0146
45-49	0.0165	0.0132	0.0069	0.0040	0.0029	0.0025	0.0023	0.0022	0.0022	0.0022
D =	6.0115	4.6355	3.5960	2.9770	2.6775	2.5475	2.4950	2.4740	2.4660	2.4615
$\bar{y}$ =	29.2013	28.1288	27.4444	27.0356	26.8371	26.7552	26.7174	26.7047	26.6991	26.6946
σ =	51.9691	50.6400	46.0759	42.8604	41.2132	40.4903	40.1641	40.0254	40.0013	39.9617

Fuente: Cuadro 1.

Cuadro 3

AJUSTE DE LA FUNCION DE HADWIGER A LAS TASAS ANUALES DE FECUNDIDAD, 1975 - 2020

Hipótesis Alta

Grupos de Edades	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020
Tasas Observadas										
15-19	0.1025	0.1016	0.0916	0.0863	0.0839	0.0830	0.0824	0.0818	0.0812	0.0805
20-24	0.2918	0.2731	0.2550	0.2441	0.2391	0.2369	0.2357	0.2343	0.2329	0.2315
25-29	0.2873	0.2495	0.2217	0.2074	0.2011	0.1985	0.1970	0.1954	0.1937	0.1921
30-34	0.2492	0.1781	0.1497	0.1361	0.1304	0.1280	0.1267	0.1253	0.1238	0.1224
35-39	0.1743	0.1151	0.0931	0.0828	0.0785	0.0768	0.0758	0.0748	0.0737	0.0726
40-44	0.0807	0.0573	0.0441	0.0381	0.0356	0.0346	0.0341	0.0335	0.0328	0.0323
45-49	0.0165	0.0155	0.0111	0.0092	0.0084	0.0081	0.0079	0.0078	0.0076	0.0074
D =	6.0115	4.9510	4.3315	4.0200	3.8850	3.8295	3.7982	3.7645	3.7285	3.6940
$\bar{y}$ =	29.2013	28.3377	27.9294	27.7245	27.6345	27.5973	27.5773	27.5578	27.5315	27.5108
σ =	51.9691	51.8558	49.3943	48.0435	47.4047	47.1605	47.0077	46.8920	46.7034	46.5416
Parámetros										
a =	5.2494	4.7831	4.6775	4.6305	4.6122	4.6037	4.6002	4.5952	4.5900	4.5866
b =	0.1366	0.1286	0.1309	0.1324	0.1333	0.1336	0.1338	0.1339	0.1342	0.1344
c =	1.0810	1.0517	1.0369	1.0283	1.0243	1.0226	1.0216	1.0203	1.0193	1.0181
Tasas Estimadas										
15-19	0.0025	0.0080	0.0097	0.0105	0.0107	0.0108	0.0109	0.0110	0.0110	0.0111
20-24	0.3825	0.3626	0.3327	0.3158	0.3081	0.3049	0.3030	0.3010	0.2989	0.2968
25-29	0.3903	0.3001	0.2582	0.2375	0.2287	0.2250	0.2230	0.2208	0.2185	0.2163
30-34	0.2234	0.1607	0.1336	0.1207	0.1153	0.1131	0.1119	0.1106	0.1092	0.1079
35-39	0.1098	0.0775	0.0629	0.0561	0.0532	0.0521	0.0514	0.0508	0.0500	0.0493
40-44	0.0513	0.0363	0.0289	0.0255	0.0240	0.0235	0.0231	0.0228	0.0224	0.0221
45-49	0.0235	0.0169	0.0132	0.0115	0.0108	0.0105	0.0104	0.0102	0.0100	0.0099
D =	5.9166	4.8104	4.1954	3.8875	3.7546	3.6997	3.6690	3.6358	3.6003	3.5665
$\bar{y}$ =	28.7817	28.0883	27.7769	27.6196	27.5504	27.5215	27.5061	27.4910	27.4706	27.4547
σ =	38.3495	37.6325	36.4961	35.8689	35.5708	35.4554	35.3838	35.3285	35.2394	35.1631

Fuente: Cuadro 2.

Cuadro 4

AJUSTE DE LA FUNCION DE HADWIGER A LAS TASAS ANUALES DE FECUNDIDAD, 1975 - 2020

Hipótesis Media

Grupos de Edades	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020
Tasas Observadas										
15-19	0.1025	0.0976	0.0831	0.0750	0.0713	0.0699	0.0693	0.0688	0.0682	0.0676
20-24	0.2918	0.2663	0.2372	0.2187	0.2098	0.2063	0.2050	0.2035	0.2021	0.2007
25-29	0.2873	0.2382	0.1989	0.1776	0.1683	0.1646	0.1632	0.1617	0.1603	0.1589
30-34	0.2492	0.1662	0.1284	0.1100	0.1024	0.0994	0.0983	0.0971	0.0960	0.0949
35-39	0.1743	0.1058	0.0770	0.0637	0.0583	0.0563	0.0555	0.0547	0.0539	0.0532
40-44	0.0807	0.0516	0.0347	0.0273	0.0243	0.0232	0.0228	0.0224	0.0220	0.0216
45-49	0.0165	0.0136	0.0082	0.0059	0.0050	0.0046	0.0045	0.0044	0.0043	0.0042
D =	6.0115	4.6965	3.8375	3.3910	3.1970	3.1215	3.0930	3.0630	3.0340	3.0055
$\bar{y}$ =	29.2013	28.1681	27.6036	27.3098	27.1833	27.1308	27.1128	27.0935	27.0756	27.0591
σ =	51.9691	50.8712	47.2043	45.0685	44.0544	43.6287	43.4849	43.3624	43.2156	43.0763
Parámetros										
a =	5.2494	4.7373	4.6051	4.5491	4.5304	4.5231	4.5205	4.5160	4.5137	4.5117
b =	0.1366	0.1294	0.1335	0.1366	0.1383	0.1390	0.1393	0.1394	0.1397	0.1400
c =	1.0810	1.0460	1.0228	1.0075	1.0002	0.9974	0.9962	0.9947	0.9935	0.9922
Tasas Estimadas										
15-19	0.0025	0.0088	0.0108	0.0115	0.0116	0.0116	0.0116	0.0116	0.0116	0.0116
20-24	0.3825	0.3510	0.3053	0.2781	0.2655	0.2606	0.2587	0.2567	0.2547	0.2527
25-29	0.3903	0.2827	0.2256	0.1969	0.1847	0.1800	0.1782	0.1763	0.1745	0.1727
30-34	0.2234	0.1492	0.1134	0.0963	0.0893	0.0865	0.0855	0.0845	0.0834	0.0825
35-39	0.1098	0.0713	0.0522	0.0434	0.0398	0.0384	0.0379	0.0374	0.0369	0.0364
40-44	0.0513	0.0331	0.0235	0.0192	0.0174	0.0167	0.0165	0.0162	0.0160	0.0158
45-49	0.0235	0.0153	0.0106	0.0085	0.0076	0.0073	0.0072	0.0071	0.0069	0.0068
D =	5.9166	4.5573	3.7077	3.2690	3.0795	3.0057	2.9779	2.9484	2.9202	2.8925
$\bar{y}$ =	28.7817	27.9591	27.5264	27.2982	27.1994	27.1582	27.1441	27.1287	27.1146	27.1016
σ =	38.5049	38.4560	37.7501	37.3608	37.1653	37.0837	37.0567	37.0414	37.0133	36.9858

Fuente: Cuadro 2.

Cuadro 5

AJUSTE DE LA FUNCION DE HADWIGER A LAS TASAS ANUALES DE FECUNDIDAD, 1975 - 2020

Hipótesis Baja

Grupos de Edades	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020
Tasas Observadas										
15-19	0.1025	0.0966	0.0788	0.0671	0.0612	0.0585	0.0575	0.0570	0.0569	0.0568
20-24	0.2918	0.2645	0.2275	0.1993	0.1841	0.1771	0.1742	0.1731	0.1726	0.1724
25-29	0.2873	0.2355	0.1874	0.1576	0.1427	0.1362	0.1336	0.1325	0.1321	0.1319
30-34	0.2492	0.1634	0.1183	0.0938	0.0825	0.0778	0.0759	0.0752	0.0749	0.0747
35-39	0.1743	0.1036	0.0697	0.0524	0.0449	0.0418	0.0405	0.0400	0.0398	0.0397
40-44	0.0807	0.0503	0.0306	0.0212	0.0172	0.0156	0.0150	0.0148	0.0147	0.0146
45-49	0.0165	0.0132	0.0069	0.0040	0.0029	0.0025	0.0023	0.0022	0.0022	0.0022
D =	6.0115	4.6355	3.5960	2.9770	2.6775	2.5475	2.4950	2.4740	2.4660	2.4615
$\bar{y}$ =	29.2013	28.1288	27.4444	27.0356	26.8371	26.7552	26.7174	26.7047	26.6991	26.6946
σ =	51.9691	50.6400	46.0759	42.8604	41.2132	40.4903	40.1641	40.0254	40.0013	39.9617
Parámetros										
a =	5.2494	4.7269	4.5731	4.5098	4.4857	4.4787	4.4752	4.4757	4.4738	4.4734
b =	0.1366	0.1296	0.1350	0.1404	0.1436	0.1452	0.1459	0.1462	0.1462	0.1463
c =	1.0810	1.0446	1.0148	0.9913	0.9775	0.9708	0.9682	0.9672	0.9666	0.9664
Tasas Estimadas										
15-19	0.0025	0.0089	0.0112	0.0116	0.0115	0.0113	0.0112	0.0111	0.0112	0.0112
20-24	0.3825	0.3481	0.2909	0.2509	0.2301	0.2208	0.2170	0.2155	0.2149	0.2146
25-29	0.3903	0.2786	0.2099	0.1710	0.1526	0.1447	0.1415	0.1403	0.1398	0.1395
30-34	0.2234	0.1466	0.1040	0.0814	0.0711	0.0669	0.0651	0.0645	0.0642	0.0640
35-39	0.1098	0.0698	0.0474	0.0358	0.0307	0.0286	0.0278	0.0274	0.0273	0.0272
40-44	0.0513	0.0324	0.0211	0.0155	0.0130	0.0121	0.0117	0.0115	0.0114	0.0114
45-49	0.0235	0.0149	0.0094	0.0067	0.0055	0.0051	0.0049	0.0048	0.0048	0.0048
D =	5.9166	4.4967	3.4701	2.8647	2.5731	2.4470	2.3959	2.3757	2.3678	2.3634
$\bar{y}$ =	28.7817	27.9292	27.4030	27.0832	26.9256	26.8602	26.8300	26.8199	26.8153	26.8117
σ =	38.3495	37.0708	34.9412	33.3660	32.5190	32.1368	31.9624	31.8871	31.8747	31.8533

Fuente: Cuadro 2.

Cuadro 6

AJUSTE DE LA FUNCION GAMMA A LAS TASAS ANUALES DE FECUNDIDAD, 1975 - 2020

Hipótesis Alta

Grupos de Edades	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020
Tasas Observadas										
15-19	0.1025	0.1016	0.0916	0.0863	0.0839	0.0830	0.0824	0.0818	0.0812	0.0805
20-24	0.2918	0.2731	0.2550	0.2441	0.2391	0.2369	0.2357	0.2343	0.2329	0.2315
25-29	0.2873	0.2495	0.2217	0.2074	0.2011	0.1985	0.1970	0.1954	0.1937	0.1921
30-34	0.2492	0.1781	0.1497	0.1361	0.1304	0.1280	0.1267	0.1253	0.1238	0.1224
35-39	0.1743	0.1151	0.0931	0.0828	0.0785	0.0768	0.0758	0.0748	0.0737	0.0726
40-44	0.0807	0.0573	0.0441	0.0381	0.0356	0.0346	0.0341	0.0335	0.0328	0.0323
45-49	0.0165	0.0155	0.0111	0.0092	0.0084	0.0081	0.0079	0.0078	0.0076	0.0074
D =	6.0115	4.9510	4.3315	4.0200	3.8850	3.8295	3.7982	3.7645	3.7285	3.6940
$\bar{y}$ =	29.2013	28.3377	27.9294	27.7245	27.6345	27.5973	27.5773	27.5578	27.5315	27.5108
σ =	51.9691	51.8558	49.3943	48.0435	47.4047	47.1605	47.0077	46.8920	46.7034	46.5416
Parámetros										
K =	6.0115	4.9510	4.3315	4.0200	3.8850	3.8295	3.7982	3.7645	3.7285	3.6940
λ =	0.2733	0.2572	0.2618	0.2649	0.2665	0.2671	0.2676	0.2678	0.2683	0.2688
p =	3.8807	3.4306	3.3844	3.3701	3.3674	3.3649	3.3651	3.3630	3.3625	3.3630
(p)=	20.0848	10.5693	9.9231	9.7322	9.6967	9.6639	9.6665	9.6390	9.6325	9.6390
Tasas Estimadas										
15-19	0.0504	0.0842	0.0825	0.0802	0.0787	0.0782	0.0778	0.0775	0.0771	0.0765
20-24	0.3046	0.3361	0.3061	0.2883	0.2797	0.2764	0.2743	0.2723	0.2700	0.2676
25-29	0.3384	0.3215	0.2796	0.2573	0.2473	0.2433	0.2410	0.2387	0.2359	0.2333
30-34	0.2275	0.2013	0.1685	0.1519	0.1447	0.1418	0.1401	0.1385	0.1366	0.1348
35-39	0.1197	0.1025	0.0829	0.0733	0.0692	0.0676	0.0666	0.0658	0.0646	0.0636
40-44	0.0544	0.0461	0.0361	0.0314	0.0293	0.0286	0.0281	0.0277	0.0272	0.0267
45-49	0.0225	0.0191	0.0145	0.0124	0.0115	0.0112	0.0110	0.0108	0.0105	0.0103
D =	5.5883	5.5533	4.8513	4.4742	4.3022	4.2355	4.1942	4.1561	4.1094	4.0641
$\bar{y}$ =	28.9070	28.0248	27.6518	27.4650	27.3836	27.3493	27.3314	27.3131	27.2893	27.2708
σ =	44.1400	44.8546	43.6217	42.8880	42.5251	42.3872	42.2976	42.2333	42.1232	42.0266

Fuente: Cuadro 2.

Cuadro 7

AJUSTE DE LA FUNCION GAMMA A LAS TASAS ANUALES DE FECUNDIDAD, 1975 - 2020

Hipótesis Media

Grupos de Edades	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020
Tasas Observadas										
15-19	0.1025	0.0976	0.0831	0.0750	0.0713	0.0699	0.0693	0.0688	0.0682	0.0676
20-24	0.2918	0.2663	0.2372	0.2187	0.2098	0.2063	0.2050	0.2035	0.2021	0.2007
25-29	0.2873	0.2382	0.1989	0.1776	0.1683	0.1646	0.1632	0.1617	0.1603	0.1589
30-34	0.2492	0.1662	0.1284	0.1100	0.1024	0.0994	0.0983	0.0971	0.0960	0.0949
35-39	0.1743	0.1058	0.0770	0.0637	0.0583	0.0563	0.0555	0.0547	0.0539	0.0532
40-44	0.0807	0.0516	0.0347	0.0273	0.0243	0.0232	0.0228	0.0224	0.0220	0.0216
45-49	0.0165	0.0136	0.0082	0.0059	0.0050	0.0046	0.0045	0.0044	0.0043	0.0042
D =	6.0115	4.6965	3.8375	3.3910	3.1970	3.1215	3.0930	3.0630	3.0340	3.0055
$\bar{y}$ =	29.2013	28.1681	27.6036	27.3098	27.1833	27.1308	27.1128	27.0935	27.0756	27.0591
σ =	51.9691	50.8712	47.2043	45.0685	44.0544	43.6287	43.4849	43.3624	43.2156	43.0763
Parámetros										
K =	6.0115	4.6965	3.8375	3.3910	3.1970	3.1215	3.0930	3.0630	3.0340	3.0055
λ =	0.2733	0.2589	0.2670	0.2731	0.2766	0.2780	0.2786	0.2789	0.2794	0.2799
p =	3.8807	3.4086	3.3652	3.3622	3.3693	3.3729	3.3741	3.3728	3.3743	3.3759
(p)=	20.0848	10.2558	9.6678	9.6286	9.7217	9.7693	9.7852	9.7679	9.7879	9.8091
Tasas Estimadas										
15-19	0.0504	0.0840	0.0783	0.0722	0.0687	0.0673	0.0667	0.0664	0.0658	0.0652
20-24	0.3046	0.3248	0.2769	0.2471	0.2328	0.2271	0.2250	0.2231	0.2209	0.2187
25-29	0.3384	0.3047	0.2439	0.2107	0.1959	0.1901	0.1879	0.1859	0.1837	0.1816
30-34	0.2275	0.1878	0.1423	0.1191	0.1091	0.1052	0.1038	0.1024	0.1010	0.0996
35-39	0.1197	0.0943	0.0678	0.0550	0.0496	0.0475	0.0468	0.0461	0.0454	0.0446
40-44	0.0544	0.0419	0.0287	0.0226	0.0200	0.0191	0.0187	0.0184	0.0181	0.0177
45-49	0.0225	0.0172	0.0112	0.0085	0.0075	0.0071	0.0069	0.0068	0.0066	0.0065
D =	5.5883	5.2737	4.2454	3.6763	3.4177	3.3163	3.2789	3.2449	3.2067	3.1696
$\bar{y}$ =	28.9070	27.8697	27.3551	27.0880	26.9743	26.9271	26.9109	26.8927	26.8766	26.8618
σ =	44.1400	44.3786	42.4123	41.1406	40.5010	40.2272	40.1343	40.0583	39.9624	39.8708

Fuente: Cuadro 2.

Cuadro 8

AJUSTE DE LA FUNCION GAMMA A LAS TASAS ANUALES DE FECUNDIDAD, 1975-2020

Hipótesis Baja

Grupos de Edades	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020
					Tasas Observadas					
15-19	0.1025	0.0966	0.0788	0.0671	0.0612	0.0585	0.0575	0.0570	0.0569	0.0568
20-24	0.2918	0.2645	0.2275	0.1993	0.1841	0.1771	0.1742	0.1731	0.1726	0.1724
25-29	0.2873	0.2355	0.1874	0.1576	0.1427	0.1362	0.1336	0.1325	0.1321	0.1319
30-34	0.2492	0.1634	0.1183	0.0938	0.0825	0.0778	0.0759	0.0752	0.0749	0.0747
35-39	0.1743	0.1036	0.0697	0.0524	0.0449	0.0418	0.0405	0.0400	0.0398	0.0397
40-44	0.0807	0.0503	0.0306	0.0212	0.0172	0.0156	0.0150	0.0148	0.0147	0.0146
45-49	0.0165	0.0132	0.0069	0.0040	0.0029	0.0025	0.0023	0.0022	0.0022	0.0022
D =	6.0115	4.6355	3.5960	2.9770	2.6775	2.5475	2.4950	2.4740	2.4660	2.4615
$\bar{y}$ =	29.2013	28.1288	27.4444	27.0356	26.8371	26.7552	26.7174	26.7047	26.6991	26.6946
σ =	51.9691	50.6400	46.0759	42.8604	41.2132	40.4903	40.1641	40.0254	40.0013	39.9617
					Parámetros					
K =	6.0115	4.6355	3.5960	2.9770	2.6775	2.5475	2.4950	2.4740	2.4660	2.4615
λ =	0.2733	0.2593	0.2701	0.2808	0.2872	0.2903	0.2917	0.2924	0.2925	0.2926
p =	3.8807	3.4038	3.3610	3.3797	3.3998	3.4128	3.4184	3.4228	3.4216	3.4224
(p)=	20.0848	10.1888	9.6130	9.8599	10.1333	10.3148	10.3941	10.4569	10.4397	10.4512
					Tasas Estimadas					
15-19	0.0504	0.0839	0.0753	0.0645	0.0582	0.0552	0.0540	0.0533	0.0533	0.0532
20-24	0.3046	0.3219	0.2612	0.2163	0.1933	0.1830	0.1788	0.1770	0.1765	0.1761
25-29	0.3384	0.3006	0.2261	0.1791	0.1567	0.1470	0.1430	0.1414	0.1409	0.1405
30-34	0.2275	0.1846	0.1297	0.0980	0.0835	0.0775	0.0750	0.0740	0.0737	0.0735
35-39	0.1197	0.0924	0.0608	0.0438	0.0363	0.0333	0.0320	0.0315	0.0314	0.0313
40-44	0.0544	0.0409	0.0253	0.0173	0.0140	0.0127	0.0121	0.0119	0.0118	0.0118
45-49	0.0225	0.0167	0.0097	0.0063	0.0050	0.0044	0.0042	0.0041	0.0041	0.0041
D =	5.5883	5.2056	3.9413	3.1265	2.7349	2.5649	2.4962	2.4662	2.4588	2.4522
$\bar{y}$ =	28.9070	27.8338	27.2101	26.8411	26.6619	26.5886	26.5546	26.5438	26.5381	26.5341
σ =	44.1400	44.2641	41.7527	39.7264	38.6167	38.1119	37.8820	37.7809	37.7661	37.7380

Fuente: Cuadro 2.

Cuadro 9

AJUSTE DE LA FUNCION LOGNORMAL A LAS TASAS ANUALES DE FECUNDIDAD, 1975 - 2020

Hipótesis Alta

Grupos de Edades	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020
Tasas Observadas										
15-19	0.1025	0.1016	0.0916	0.0863	0.0839	0.0830	0.0824	0.0818	0.0812	0.0805
20-24	0.2918	0.2731	0.2550	0.2441	0.2391	0.2369	0.2357	0.2343	0.2329	0.2315
25-29	0.2873	0.2495	0.2217	0.2074	0.2011	0.1985	0.1970	0.1954	0.1937	0.1921
30-34	0.2492	0.1781	0.1497	0.1361	0.1304	0.1280	0.1267	0.1253	0.1238	0.1224
35-39	0.1743	0.1151	0.0931	0.0828	0.0785	0.0768	0.0758	0.0748	0.0737	0.0726
40-44	0.0807	0.0573	0.0441	0.0381	0.0356	0.0346	0.0341	0.0335	0.0328	0.0323
45-49	0.0165	0.0155	0.0111	0.0092	0.0084	0.0081	0.0079	0.0078	0.0076	0.0074
D =	6.0115	4.9510	4.3315	4.0200	3.8850	3.8295	3.7982	3.7645	3.7285	3.6940
$\bar{y}$ =	29.2013	28.3377	27.9294	27.7245	27.6345	27.5973	27.5773	27.5578	27.5315	27.5108
σ =	51.9691	51.8558	49.3943	48.0435	47.4047	47.1605	47.0077	46.8920	46.7034	46.5416
Parámetros										
k =	6.0115	4.9510	4.3315	4.0200	3.8850	3.8295	3.7982	3.7645	3.7285	3.6940
a =	2.5387	2.4627	2.4301	2.4136	2.4064	2.4034	2.4018	2.4002	2.3981	2.3964
σ =	0.4788	0.5058	0.5088	0.5097	0.5099	0.5101	0.5101	0.5102	0.5103	0.5102
Tasas Estimadas										
15-19	0.0064	0.0146	0.0163	0.0168	0.0170	0.0171	0.0171	0.0171	0.0172	0.0172
20-24	0.3671	0.3519	0.3246	0.3089	0.3018	0.2988	0.2971	0.2951	0.2932	0.2912
25-29	0.4005	0.3100	0.2669	0.2457	0.2366	0.2328	0.2307	0.2285	0.2260	0.2238
30-34	0.2278	0.1634	0.1353	0.1221	0.1165	0.1142	0.1130	0.1116	0.1101	0.1088
35-39	0.1083	0.0758	0.0612	0.0545	0.0517	0.0505	0.0499	0.0492	0.0485	0.0478
40-44	0.0491	0.0344	0.0273	0.0240	0.0227	0.0221	0.0218	0.0215	0.0212	0.0208
45-49	0.0222	0.0158	0.0124	0.0108	0.0101	0.0099	0.0097	0.0096	0.0094	0.0093
D =	5.9073	4.8294	4.2200	3.9141	3.7817	3.7271	3.6965	3.6634	3.6280	3.5943
$\bar{y}$ =	28.7714	28.0205	27.6896	27.5234	27.4506	27.4203	27.4042	27.3881	27.3668	27.3501
σ =	37.5453	36.9946	35.9045	35.2969	35.0069	34.8946	34.8249	34.7710	34.6842	34.6098

Fuente: Cuadro 2.

Cuadro 10

AJUSTE DE LA FUNCION LOGNORMAL A LAS TASAS ANUALES DE FECUNDIDAD, 1975 - 2020

Hipótesis Media

Grupos de Edades	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020
Tasas Observadas										
15-19	0.1025	0.0976	0.0831	0.0750	0.0713	0.0699	0.0693	0.0688	0.0682	0.0676
20-24	0.2918	0.2663	0.2372	0.2187	0.2098	0.2063	0.2050	0.2035	0.2021	0.2007
25-29	0.2873	0.2382	0.1989	0.1776	0.1683	0.1646	0.1632	0.1617	0.1603	0.1589
30-34	0.2492	0.1662	0.1284	0.1100	0.1024	0.0994	0.0983	0.0971	0.0960	0.0949
35-39	0.1743	0.1058	0.0770	0.0637	0.0583	0.0563	0.0555	0.0547	0.0539	0.0532
40-44	0.0807	0.0516	0.0347	0.0273	0.0243	0.0232	0.0228	0.0224	0.0220	0.0216
45-49	0.0165	0.0136	0.0082	0.0059	0.0050	0.0046	0.0045	0.0044	0.0043	0.0042
D =	6.0115	4.6965	3.8375	3.3910	3.1970	3.1215	3.0930	3.0630	3.0340	3.0055
$\bar{y}$ =	29.2013	28.1681	27.6036	27.3098	27.1833	27.1308	27.1128	27.0935	27.0756	27.0591
σ =	51.9691	50.8712	47.2043	45.0685	44.0544	43.6287	43.4849	43.3624	43.2156	43.0763
Parámetros										
k =	6.0115	4.6965	3.8375	3.3910	3.1970	3.1215	3.0930	3.0630	3.0340	3.0055
a =	2.5387	2.4492	2.4039	2.3802	2.3701	2.3659	2.3645	2.3628	2.3614	2.3601
σ =	0.4788	0.5072	0.5101	0.5103	0.5098	0.5096	0.5095	0.5096	0.5095	0.5094
Tasas Estimadas										
15-19	0.0064	0.0154	0.0171	0.0173	0.0172	0.0171	0.0171	0.0171	0.0170	0.0169
20-24	0.3671	0.3414	0.2992	0.2736	0.2617	0.2570	0.2552	0.2533	0.2514	0.2495
25-29	0.4005	0.2922	0.2334	0.2036	0.1910	0.1861	0.1843	0.1823	0.1804	0.1786
30-34	0.2278	0.1515	0.1145	0.0970	0.0897	0.0869	0.0859	0.0848	0.0837	0.0827
35-39	0.1083	0.0696	0.0507	0.0420	0.0384	0.0370	0.0365	0.0360	0.0355	0.0350
40-44	0.0491	0.0314	0.0222	0.0181	0.0164	0.0157	0.0155	0.0153	0.0150	0.0148
45-49	0.0222	0.0143	0.0099	0.0080	0.0072	0.0069	0.0067	0.0066	0.0065	0.0064
D =	5.9073	4.5789	3.7350	3.2973	3.1076	3.0338	3.0059	2.9764	2.9481	2.9203
$\bar{y}$ =	28.7714	27.8830	27.4254	27.1866	27.0841	27.0415	27.0269	27.0108	26.9963	26.9829
σ =	37.5453	36.5603	34.9147	33.9205	33.4363	33.2302	33.1602	33.1002	33.0284	32.9601

Fuente: Cuadro 2.

Cuadro 11

AJUSTE DE LA FUNCION LOGNORMAL A LAS TASAS ANUALES DE FECUNDIDAD, 1975 - 2020

Hipótesis Baja

Grupos de Edades	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020
Tasas Observadas										
15-19	0.1025	0.0966	0.0788	0.0671	0.0612	0.0585	0.0575	0.0570	0.0569	0.0568
20-24	0.2918	0.2645	0.2275	0.1993	0.1841	0.1771	0.1742	0.1731	0.1726	0.1724
25-29	0.2873	0.2355	0.1874	0.1576	0.1427	0.1362	0.1336	0.1325	0.1321	0.1319
30-34	0.2492	0.1634	0.1183	0.0938	0.0825	0.0778	0.0759	0.0752	0.0749	0.0747
35-39	0.1743	0.1036	0.0697	0.0524	0.0449	0.0418	0.0405	0.0400	0.0398	0.0397
40-44	0.0807	0.0503	0.0306	0.0212	0.0172	0.0156	0.0150	0.0148	0.0147	0.0146
45-49	0.0165	0.0132	0.0069	0.0040	0.0029	0.0025	0.0023	0.0022	0.0022	0.0022
D =	6.0115	4.6355	3.5960	2.9770	2.6775	2.5475	2.4950	2.4740	2.4660	2.4615
$\bar{y}$ =	29.2013	28.1288	27.4444	27.0356	26.8371	26.7552	26.7174	26.7047	26.6991	26.6946
σ =	51.9691	50.6400	46.0759	42.8604	41.2132	40.4903	40.1641	40.0254	40.0013	39.9617
Parámetros										
k =	6.0115	4.6355	3.5960	2.9770	2.6775	2.5475	2.4950	2.4740	2.4660	2.4615
a =	2.5387	2.4460	2.3910	2.3583	2.3423	2.3358	2.3328	2.3318	2.3313	2.3310
σ =	0.4788	0.5075	0.5104	0.5091	0.5078	0.5069	0.5066	0.5063	0.5064	0.5063
Tasas Estimadas										
15-19	0.0064	0.0155	0.0173	0.0169	0.0163	0.0159	0.0158	0.0156	0.0157	0.0156
20-24	0.3671	0.3387	0.2857	0.2478	0.2278	0.2188	0.2152	0.2137	0.2131	0.2128
25-29	0.4005	0.2879	0.2172	0.1768	0.1577	0.1495	0.1462	0.1449	0.1444	0.1441
30-34	0.2278	0.1488	0.1049	0.0817	0.0712	0.0668	0.0650	0.0644	0.0641	0.0639
35-39	0.1083	0.0682	0.0459	0.0345	0.0295	0.0275	0.0266	0.0263	0.0262	0.0261
40-44	0.0491	0.0307	0.0199	0.0146	0.0123	0.0113	0.0109	0.0108	0.0107	0.0107
45-49	0.0222	0.0140	0.0088	0.0063	0.0052	0.0048	0.0046	0.0046	0.0045	0.0045
D =	5.9073	4.5189	3.4981	2.8925	2.5998	2.4730	2.4217	2.4014	2.3935	2.3891
$\bar{y}$ =	28.7714	27.8512	27.2960	26.9640	26.8019	26.7352	26.7043	26.6942	26.6894	26.6857
σ =	37.5453	36.4579	34.3933	32.8538	32.0263	31.6535	31.4834	31.4104	31.3980	31.3772

Fuente: Cuadro 2.

Cuadro 12

AJUSTE DE UN POLINOMIO DE TERCER GRADO A LAS TASAS ANUALES DE FECUNDIDAD, 1975 - 2020

Hipótesis Alta

Grupos de Edades	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020
Tasas Observadas										
15-19	0.1025	0.1016	0.0916	0.0863	0.0839	0.0830	0.0824	0.0818	0.0812	0.0805
20-24	0.2918	0.2731	0.2550	0.2441	0.2391	0.2369	0.2357	0.2343	0.2329	0.2315
25-29	0.2873	0.2495	0.2217	0.2074	0.2011	0.1985	0.1970	0.1954	0.1937	0.1921
30-34	0.2492	0.1781	0.1497	0.1361	0.1304	0.1280	0.1267	0.1253	0.1238	0.1224
35-39	0.1743	0.1151	0.0931	0.0828	0.0785	0.0768	0.0758	0.0748	0.0737	0.0726
40-44	0.0807	0.0573	0.0441	0.0381	0.0356	0.0346	0.0341	0.0335	0.0328	0.0323
45-49	0.0165	0.0155	0.0111	0.0092	0.0084	0.0081	0.0079	0.0078	0.0076	0.0074
D =	6.0115	4.9510	4.3315	4.0200	3.8850	3.8295	3.7982	3.7645	3.7285	3.6940
$\bar{y}$ =	29.2013	28.3377	27.9294	27.7245	27.6345	27.5973	27.5773	27.5578	27.5315	27.5108
σ =	51.9691	51.8558	49.3943	48.0435	47.4047	47.1605	47.0077	46.8920	46.7034	46.5416
Parámetros										
α =	14.7834	13.9355	13.8732	13.8618	13.8643	13.8626	13.8648	13.8622	13.8635	13.8666
β =	50.8282	49.9410	49.0137	48.5185	48.2898	48.1993	48.1459	48.1011	48.0335	47.9772
k =	0.000043	0.000035	0.000034	0.000033	0.000033	0.000033	0.000033	0.000033	0.000033	0.000033
Tasas Estimadas										
15-19	0.1290	0.1326	0.1228	0.1171	0.1144	0.1133	0.1127	0.1120	0.1113	0.1105
20-24	0.2646	0.2280	0.2067	0.1955	0.1907	0.1886	0.1874	0.1861	0.1848	0.1835
25-29	0.2958	0.2415	0.2150	0.2015	0.1956	0.1932	0.1918	0.1903	0.1887	0.1872
30-34	0.2543	0.1996	0.1731	0.1599	0.1542	0.1519	0.1505	0.1491	0.1476	0.1461
35-39	0.1725	0.1289	0.1068	0.0960	0.0913	0.0895	0.0884	0.0873	0.0861	0.0849
40-44	0.0822	0.0559	0.0414	0.0347	0.0319	0.0308	0.0301	0.0295	0.0288	0.0281
45-49	0.0155	0.0071	0.0026	0.0012	0.0007	0.0005	0.0005	0.0004	0.0003	0.0003
D =	6.0689	4.9681	4.3421	4.0291	3.8940	3.8384	3.8073	3.7734	3.7376	3.7032
$\bar{y}$ =	29.0864	28.3066	27.8980	27.6920	27.6015	27.5648	27.5447	27.5259	27.4999	27.4792
σ =	53.3380	51.9374	49.1456	47.6916	47.0413	46.7934	46.6458	46.5276	46.3462	46.1954

Fuente: Cuadro 2.

Cuadro 13

AJUSTE DE UN POLINOMIO DE TERCER GRADO A LAS TASAS ANUALES DE FECUNDIDAD

Hipótesis Media

Grupos de Edades	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020
					Tasas Observadas					
15-19	0.1025	0.0976	0.0831	0.0750	0.0713	0.0699	0.0693	0.0688	0.0682	0.0676
20-24	0.2918	0.2663	0.2372	0.2187	0.2098	0.2063	0.2050	0.2035	0.2021	0.2007
25-29	0.2873	0.2382	0.1989	0.1776	0.1683	0.1646	0.1632	0.1617	0.1603	0.1589
30-34	0.2492	0.1662	0.1284	0.1100	0.1024	0.0994	0.0983	0.0971	0.0960	0.0949
35-39	0.1743	0.1058	0.0770	0.0637	0.0583	0.0563	0.0555	0.0547	0.0539	0.0532
40-44	0.0807	0.0516	0.0347	0.0273	0.0243	0.0232	0.0228	0.0224	0.0220	0.0216
45-49	0.0165	0.0136	0.0082	0.0059	0.0050	0.0046	0.0045	0.0044	0.0043	0.0042
D =	6.0115	4.6965	3.8375	3.3910	3.1970	3.1215	3.0930	3.0630	3.0340	3.0055
$\bar{y}$ =	29.2013	28.1681	27.6036	27.3098	27.1833	27.1308	27.1128	27.0935	27.0756	27.0591
σ =	51.9691	50.8712	47.2043	45.0685	44.0544	43.6287	43.4849	43.3624	43.2156	43.0763
					Parámetros					
α =	14.7834	13.9032	13.8625	13.8832	13.9086	13.9204	13.9242	13.9235	13.9279	13.9326
β =	50.8282	49.5653	48.2152	47.4497	47.0953	46.9464	46.8958	46.8486	46.7972	46.7489
k =	0.000043	0.000035	0.000033	0.000032	0.000032	0.000031	0.000031	0.000031	0.000031	0.000031
					Tasas Estimadas					
15-19	0.1290	0.1289	0.1135	0.1040	0.0995	0.0977	0.0970	0.0964	0.0956	0.0949
20-24	0.2646	0.2194	0.1889	0.1719	0.1644	0.1614	0.1603	0.1590	0.1578	0.1567
25-29	0.2958	0.2307	0.1935	0.1737	0.1651	0.1617	0.1604	0.1590	0.1576	0.1563
30-34	0.2543	0.1887	0.1522	0.1334	0.1253	0.1221	0.1209	0.1196	0.1184	0.1172
35-39	0.1725	0.1197	0.0897	0.0749	0.0687	0.0663	0.0654	0.0644	0.0636	0.0627
40-44	0.0822	0.0497	0.0309	0.0225	0.0191	0.0178	0.0173	0.0169	0.0165	0.0160
45-49	0.0155	0.0050	0.0006	0.0000	0.0002	0.0003	0.0004	0.0004	0.0005	0.0006
D =	6.0689	4.7104	3.8464	3.4021	3.2107	3.1366	3.1085	3.0788	3.0503	3.0223
$\bar{y}$ =	29.0864	28.1376	27.5711	27.2852	27.1674	27.1203	27.1045	27.0880	27.0726	27.0584
σ =	53.3380	50.8064	46.8369	44.9014	44.1559	43.8826	43.7960	43.7222	43.6405	43.5663

Fuente: Cuadro 2.

Cuadro 14

AJUSTE DE UN POLINOMIO DE TERCER GRADO A LAS TASAS ANUALES DE FECUNDIDAD, 1975 - 2020

Hipótesis Baja

Grupos de Edades	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020
Tasas Observadas										
15-19	0.1025	0.0966	0.0788	0.0671	0.0612	0.0585	0.0575	0.0570	0.0569	0.0568
20-24	0.2918	0.2645	0.2275	0.1993	0.1841	0.1771	0.1742	0.1731	0.1726	0.1724
25-29	0.2873	0.2355	0.1874	0.1576	0.1427	0.1362	0.1336	0.1325	0.1321	0.1319
30-34	0.2492	0.1634	0.1183	0.0938	0.0825	0.0778	0.0759	0.0752	0.0749	0.0747
35-39	0.1743	0.1036	0.0697	0.0524	0.0449	0.0418	0.0405	0.0400	0.0398	0.0397
40-44	0.0807	0.0503	0.0306	0.0212	0.0172	0.0156	0.0150	0.0148	0.0147	0.0146
45-49	0.0165	0.0132	0.0069	0.0040	0.0029	0.0025	0.0023	0.0022	0.0022	0.0022
D =	6.0115	4.6355	3.5960	2.9770	2.6775	2.5475	2.4950	2.4740	2.4660	2.4615
$\bar{y}$ =	29.2013	28.1288	27.4444	27.0356	26.8371	26.7552	26.7174	26.7047	26.6991	26.6946
σ =	51.9691	50.6400	46.0759	42.8604	41.2132	40.4903	40.1641	40.0254	40.0013	39.9617
Parámetros										
α =	14.7834	13.8965	13.8685	13.9420	13.9976	14.0287	14.0424	14.0516	14.0498	14.0515
β =	50.8282	49.4774	47.8081	46.6760	46.0963	45.8448	45.7300	45.6844	45.6731	45.6592
k =	0.000043	0.000035	0.000033	0.000031	0.000030	0.000030	0.000030	0.000030	0.000030	0.000030
Tasas Estimadas										
15-19	0.1290	0.1279	0.1085	0.0942	0.0867	0.0832	0.0818	0.0812	0.0810	0.0809
20-24	0.2646	0.2173	0.1798	0.1556	0.1433	0.1377	0.1355	0.1346	0.1343	0.1341
25-29	0.2958	0.2280	0.1828	0.1551	0.1413	0.1353	0.1328	0.1319	0.1314	0.1312
30-34	0.2543	0.1861	0.1420	0.1160	0.1035	0.0981	0.0959	0.0951	0.0947	0.0945
35-39	0.1725	0.1175	0.0817	0.0617	0.0526	0.0488	0.0472	0.0466	0.0464	0.0462
40-44	0.0822	0.0483	0.0262	0.0155	0.0112	0.0095	0.0088	0.0086	0.0085	0.0084
45-49	0.0155	0.0046	0.0001	0.0007	0.0020	0.0027	0.0031	0.0033	0.0033	0.0034
D =	6.0689	4.6487	3.6056	2.9948	2.7027	2.5766	2.5261	2.5060	2.4981	2.4938
$\bar{y}$ =	29.0864	28.0985	27.4145	27.0383	26.8845	26.8302	26.8074	26.8005	26.7969	26.7944
σ =	53.3380	50.5417	45.7614	43.4585	42.9202	42.8750	42.9003	42.9157	42.9236	42.9305

Fuente: Cuadro 2.

Cuadro 15

COMPARACION DE TASAS ANUALES DE FECUNDIDAD OBSERVADAS Y ESTIMADAS

Hipótesis Alta

Grupos de Edades	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020
TASAS OBSERVADAS										
15-19	0.1025	0.1016	0.0916	0.0863	0.0839	0.0830	0.0824	0.0818	0.0812	0.0805
20-24	0.2918	0.2731	0.2550	0.2441	0.2391	0.2369	0.2357	0.2343	0.2329	0.2315
25-29	0.2873	0.2495	0.2217	0.2074	0.2011	0.1985	0.1970	0.1954	0.1937	0.1921
30-34	0.2492	0.1781	0.1497	0.1361	0.1304	0.1280	0.1267	0.1253	0.1238	0.1224
35-39	0.1743	0.1151	0.0931	0.0828	0.0785	0.0768	0.0758	0.0748	0.0737	0.0726
40-44	0.0807	0.0573	0.0441	0.0381	0.0356	0.0346	0.0341	0.0335	0.0328	0.0323
45-49	0.0165	0.0155	0.0111	0.0092	0.0084	0.0081	0.0079	0.0078	0.0076	0.0074
TASAS ESTIMADAS										
Hadwiger										
15-19	0.0025	0.0080	0.0097	0.0105	0.0107	0.0108	0.0109	0.0110	0.0110	0.0111
20-24	0.3825	0.3626	0.3327	0.3158	0.3081	0.3049	0.3030	0.3010	0.2989	0.2968
25-29	0.3903	0.3001	0.2582	0.2375	0.2287	0.2250	0.2230	0.2208	0.2185	0.2163
30-34	0.2234	0.1607	0.1336	0.1207	0.1153	0.1131	0.1119	0.1106	0.1092	0.1079
35-39	0.1098	0.0775	0.0629	0.0561	0.0532	0.0521	0.0514	0.0508	0.0500	0.0493
40-44	0.0513	0.0363	0.0289	0.0255	0.0240	0.0235	0.0231	0.0228	0.0224	0.0221
45-49	0.0235	0.0169	0.0132	0.0115	0.0108	0.0105	0.0104	0.0102	0.0100	0.0099
Gamma										
15-19	0.0504	0.0842	0.0825	0.0802	0.0787	0.0782	0.0778	0.0775	0.0771	0.0765
20-24	0.3046	0.3361	0.3061	0.2883	0.2797	0.2764	0.2743	0.2723	0.2700	0.2676
25-29	0.3384	0.3215	0.2796	0.2573	0.2473	0.2433	0.2410	0.2387	0.2359	0.2333
30-34	0.2275	0.2013	0.1685	0.1519	0.1447	0.1418	0.1401	0.1385	0.1366	0.1348
35-39	0.1197	0.1025	0.0829	0.0733	0.0692	0.0676	0.0666	0.0658	0.0646	0.0636
40-44	0.0544	0.0461	0.0361	0.0314	0.0293	0.0286	0.0281	0.0277	0.0272	0.0267
45-49	0.0225	0.0191	0.0145	0.0124	0.0115	0.0112	0.0110	0.0108	0.0105	0.0103

Cuadro 15
(Continuación)

COMPARACION DE TASAS ANUALES DE FECUNDIDAD OBSERVADAS Y ESTIMADAS

Hipótesis Alta

Grupos de Edades	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020
TASAS OBSERVADAS										
15-19	0.1025	0.1016	0.0916	0.0863	0.0839	0.0830	0.0824	0.0818	0.0812	0.0805
20-24	0.2918	0.2731	0.2550	0.2441	0.2391	0.2369	0.2357	0.2343	0.2329	0.2315
25-29	0.2873	0.2495	0.2217	0.2074	0.2011	0.1985	0.1970	0.1954	0.1937	0.1921
30-34	0.2492	0.1781	0.1497	0.1361	0.1304	0.1280	0.1267	0.1253	0.1238	0.1224
35-39	0.1743	0.1151	0.0931	0.0828	0.0785	0.0768	0.0758	0.0748	0.0737	0.0726
40-44	0.0807	0.0573	0.0441	0.0381	0.0356	0.0346	0.0341	0.0335	0.0328	0.0323
45-49	0.0165	0.0155	0.0111	0.0092	0.0084	0.0081	0.0079	0.0078	0.0076	0.0074
TASAS ESTIMADAS										
Lognormal										
15-19	0.0064	0.0146	0.0163	0.0168	0.0170	0.0171	0.0171	0.0171	0.0172	0.0172
20-24	0.3671	0.3519	0.3246	0.3089	0.3018	0.2988	0.2971	0.2951	0.2932	0.2912
25-29	0.4005	0.3100	0.2669	0.2457	0.2366	0.2328	0.2307	0.2285	0.2260	0.2238
30-34	0.2278	0.1634	0.1353	0.1221	0.1165	0.1142	0.1130	0.1116	0.1101	0.1088
35-39	0.1083	0.0758	0.0612	0.0545	0.0517	0.0505	0.0499	0.0492	0.0485	0.0478
40-44	0.0491	0.0344	0.0273	0.0240	0.0227	0.0221	0.0218	0.0215	0.0212	0.0208
45-49	0.0222	0.0158	0.0124	0.0108	0.0101	0.0099	0.0097	0.0096	0.0094	0.0093
Polinomio de Tercer Grado										
15-19	0.1290	0.1326	0.1228	0.1171	0.1144	0.1133	0.1127	0.1120	0.1113	0.1105
20-24	0.2646	0.2280	0.2067	0.1955	0.1907	0.1886	0.1874	0.1861	0.1848	0.1835
25-29	0.2958	0.2415	0.2150	0.2015	0.1956	0.1932	0.1918	0.1903	0.1887	0.1872
30-34	0.2543	0.1996	0.1731	0.1599	0.1542	0.1519	0.1505	0.1491	0.1476	0.1461
35-39	0.1725	0.1289	0.1068	0.0960	0.0913	0.0895	0.0884	0.0873	0.0861	0.0849
40-44	0.0822	0.0559	0.0414	0.0347	0.0319	0.0308	0.0301	0.0295	0.0288	0.0281
45-49	0.0155	0.0071	0.0026	0.0012	0.0007	0.0005	0.0005	0.0004	0.0003	0.0003

Fuente : Cuadros 2, 3, 6, 9 y 12.

Cuadro 16

COMPARACION DE TASAS ANUALES DE FECUNDIDAD OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Alta

1 9 7 5

Grupos de Edades	Observadas	Hadwiger	% error	Gamma	% error	Lognormal	% error	Polinomio de Tercer Grado	% error
15-19	0.1025	0.0025	0.1000	0.0504	0.0521	0.0064	0.0961	0.1290	-0.0265
20-24	0.2518	0.3825	-0.0907	0.3046	-0.0128	0.3671	-0.0753	0.2646	0.0272
25-29	0.2873	0.3903	-0.1030	0.3384	-0.0511	0.4005	-0.1132	0.2958	-0.0085
30-34	0.2492	0.2234	0.0258	0.2275	0.0217	0.2278	0.0214	0.2543	-0.0051
35-39	0.1743	0.1098	0.0645	0.1197	0.0546	0.1083	0.0660	0.1725	0.0018
40-44	0.0807	0.0513	0.0294	0.0544	0.0263	0.0491	0.0316	0.0822	-0.0015
45-49	0.0165	0.0235	-0.0070	0.0225	-0.0060	0.0222	-0.0057	0.0155	0.0010
ERROR MEDIO ABSOLUTO (%)			34.9674		18.6775		34.0480		5.9484

1 9 8 0

Grupos de Edades	Observadas	Hadwiger	% error	Gamma	% error	Lognormal	% error	Polinomio de Tercer Grado	% error
15-19	0.1016	0.0080	0.0936	0.0842	0.0174	0.0146	0.0870	0.1326	-0.0310
20-24	0.2731	0.3626	-0.0895	0.3361	-0.0630	0.3519	-0.0788	0.2280	0.0451
25-29	0.2495	0.3001	-0.0506	0.3215	-0.0720	0.3100	-0.0605	0.2415	0.0080
30-34	0.1781	0.1607	0.0174	0.2013	-0.0232	0.1634	0.0147	0.1996	-0.0215
35-39	0.1151	0.0775	0.0376	0.1025	0.0126	0.0758	0.0393	0.1289	-0.0138
40-44	0.0573	0.0363	0.0210	0.0461	0.0112	0.0344	0.0229	0.0559	0.0014
45-49	0.0155	0.0169	-0.0014	0.0191	-0.0036	0.0158	-0.0003	0.0071	0.0084
ERROR MEDIO ABSOLUTO (%)			31.4247		20.4951		30.6492		13.0611

Cuadro 16
(Continuación)

COMPARACION DE TASAS ANUALES DE FECUNDIDAD OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Alta

1 9 8 5

Grupos de Edades	Observadas	Hadwiger	% error	Gamma	% error	Lognormal	% error	Polinomio de Tercer Grado	% error
15-19	0.0916	0.0097	0.0819	0.0825	0.0091	0.0163	0.0753	0.1228	-0.0312
20-24	0.2550	0.3327	-0.0777	0.3061	-0.0511	0.3246	-0.0696	0.2067	0.0483
25-29	0.2217	0.2582	-0.0365	0.2796	-0.0579	0.2669	-0.0452	0.2150	0.0067
30-34	0.1497	0.1336	0.0161	0.1685	-0.0188	0.1353	0.0144	0.1731	-0.0234
35-39	0.0931	0.0629	0.0302	0.0829	0.0102	0.0612	0.0319	0.1068	-0.0137
40-44	0.0441	0.0289	0.0152	0.0361	0.0080	0.0273	0.0168	0.0414	0.0027
45-49	0.0111	0.0132	-0.0021	0.0145	-0.0034	0.0124	-0.0013	0.0026	0.0085
ERROR MEDIO ABSOLUTO (%)			29.9843		18.2955		29.3815		15.5204

1 9 9 0

Grupos de Edades	Observadas	Hadwiger	% error	Gamma	% error	Lognormal	% error	Polinomio de Tercer Grado	% error
15-19	0.0863	0.0105	0.0758	0.0802	0.0061	0.0168	0.0695	0.1171	-0.0308
20-24	0.2441	0.3158	-0.0717	0.2883	-0.0442	0.3089	-0.0648	0.1955	0.0486
25-29	0.2074	0.2375	-0.0301	0.2573	-0.0499	0.2457	-0.0383	0.2015	0.0059
30-34	0.1361	0.1207	0.0154	0.1519	-0.0158	0.1221	0.0140	0.1599	-0.0238
35-39	0.0828	0.0561	0.0267	0.0733	0.0095	0.0545	0.0283	0.0960	-0.0132
40-44	0.0381	0.0255	0.0126	0.0314	0.0067	0.0240	0.0141	0.0347	0.0034
45-49	0.0092	0.0115	-0.0023	0.0124	-0.0032	0.0108	-0.0016	0.0012	0.0080
ERROR MEDIO ABSOLUTO (%)			29.1923		16.8468		28.6836		16.6253

Cuadro 16
(Continuación)

COMPARACION DE TASAS ANUALES DE FECUNDIDAD OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Alta

1 9 9 5

Grupos de Edades	Observadas	Hadwiger	% error	Gamma	% error	Lognormal	% error	Polinomio de Tercer Grado	% error
15-19	0.0839	0.0107	0.0732	0.0787	0.0052	0.0170	0.0669	0.1144	-0.0305
20-24	0.2391	0.3081	-0.0690	0.2797	-0.0406	0.3018	-0.0627	0.1907	0.0484
25-29	0.2011	0.2287	-0.0276	0.2473	-0.0462	0.2366	-0.0355	0.1956	0.0055
30-34	0.1304	0.1153	0.0151	0.1447	-0.0143	0.1165	0.0139	0.1542	-0.0238
35-39	0.0785	0.0532	0.0253	0.0692	0.0093	0.0517	0.0268	0.0913	-0.0128
40-44	0.0356	0.0240	0.0116	0.0293	0.0063	0.0227	0.0129	0.0319	0.0037
45-49	0.0084	0.0108	-0.0024	0.0115	-0.0031	0.0101	-0.0017	0.0007	0.0077
ERROR MEDIO ABSOLUTO (%)			28.8482		16.0827		28.3827		17.0563

2 0 0 0

Grupos de Edades	Observadas	Hadwiger	% error	Gamma	% error	Lognormal	% error	Polinomio de Tercer Grado	% error
15-19	0.0830	0.0108	0.0722	0.0782	0.0048	0.0171	0.0659	0.1133	-0.0303
20-24	0.2369	0.3049	-0.0680	0.2764	-0.0395	0.2988	-0.0619	0.1886	0.0483
25-29	0.1985	0.2250	-0.0265	0.2433	-0.0448	0.2328	-0.0343	0.1932	0.0053
30-34	0.1280	0.1131	0.0149	0.1418	-0.0138	0.1142	0.0138	0.1519	-0.0239
35-39	0.0768	0.0521	0.0247	0.0676	0.0092	0.0505	0.0263	0.0895	-0.0127
40-44	0.0346	0.0235	0.0111	0.0286	0.0060	0.0221	0.0125	0.0308	0.0038
45-49	0.0081	0.0105	-0.0024	0.0112	-0.0031	0.0099	-0.0018	0.0005	0.0076
ERROR MEDIO ABSOLUTO (%)			28.7122		15.8339		28.2643		17.2202

Cuadro 16
(Continuación)

COMPARACION DE TASAS ANUALES DE FECUNDIDAD OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Alta

2 0 0 5

Grupos de Edades	Observadas	Hadwiger	% error	Gamma	% error	Lognormal	% error	Polinomio de Tercer Grado	% error
15-19	0.0824	0.0109	0.0715	0.0778	0.0046	0.0171	0.0653	0.1127	-0.0303
20-24	0.2357	0.3030	-0.0673	0.2743	-0.0386	0.2971	-0.0614	0.1874	0.0483
25-29	0.1970	0.2230	-0.0260	0.2410	-0.0440	0.2307	-0.0337	0.1918	0.0052
30-34	0.1267	0.1119	0.0149	0.1401	-0.0134	0.1130	0.0138	0.1505	-0.0238
35-39	0.0758	0.0514	0.0244	0.0666	0.0092	0.0499	0.0259	0.0884	-0.0126
40-44	0.0341	0.0231	0.0110	0.0281	0.0060	0.0218	0.0123	0.0301	0.0040
45-49	0.0079	0.0104	-0.0025	0.0110	-0.0031	0.0097	-0.0018	0.0005	0.0074
ERROR MEDIO ABSOLUTO (%)			28.6400		15.6385		28.2020		17.3176

2 0 1 0

Grupos de Edades	Observadas	Hadwiger	% error	Gamma	% error	Lognormal	% error	Polinomio de Tercer Grado	% error
15-19	0.0818	0.0110	0.0708	0.0775	0.0043	0.0171	0.0647	0.1120	-0.0302
20-24	0.2343	0.3010	-0.0667	0.2723	-0.0380	0.2951	-0.0608	0.1861	0.0482
25-29	0.1954	0.2208	-0.0254	0.2387	-0.0433	0.2285	-0.0331	0.1903	0.0051
30-34	0.1253	0.1106	0.0147	0.1385	-0.0132	0.1116	0.0137	0.1491	-0.0238
35-39	0.0748	0.0508	0.0240	0.0658	0.0090	0.0492	0.0256	0.0873	-0.0125
40-44	0.0335	0.0228	0.0107	0.0277	0.0058	0.0215	0.0120	0.0295	0.0040
45-49	0.0078	0.0102	-0.0024	0.0108	-0.0030	0.0096	-0.0018	0.0004	0.0074
ERROR MEDIO ABSOLUTO (%)			28.5264		15.4955		28.0973		17.4299

Cuadro 16
(Continuación)

COMPARACION DE TASAS ANUALES DE FECUNDIDAD OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Alta

2 0 1 5

Grupos de Edades	Observadas	Hadwiger	% error	Gamma	% error	Lognormal	% error	Polinomio de Tercer Grado	% error
15-19	0.0812	0.0110	0.0702	0.0771	0.0041	0.0172	0.0640	0.1113	-0.0301
20-24	0.2329	0.2989	-0.0660	0.2700	-0.0371	0.2932	-0.0603	0.1848	0.0481
25-29	0.1937	0.2185	-0.0248	0.2359	-0.0422	0.2260	-0.0323	0.1887	0.0050
30-34	0.1238	0.1092	0.0146	0.1366	-0.0128	0.1101	0.0137	0.1476	-0.0238
35-39	0.0737	0.0500	0.0237	0.0646	0.0091	0.0485	0.0252	0.0861	-0.0124
40-44	0.0328	0.0224	0.0104	0.0272	0.0056	0.0212	0.0116	0.0288	0.0040
45-49	0.0076	0.0100	-0.0024	0.0105	-0.0029	0.0094	-0.0018	0.0003	0.0073
ERROR MEDIO ABSOLUTO (%)			28.4388		15.2701		28.0225		17.5190

2 0 2 0

Grupos de Edades	Observadas	Hadwiger	% error	Gamma	% error	Lognormal	% error	Polinomio de Tercer Grado	% error
15-19	0.0805	0.0111	0.0694	0.0765	0.0040	0.0172	0.0633	0.1105	-0.0300
20-24	0.2315	0.2968	-0.0653	0.2676	-0.0361	0.2912	-0.0597	0.1835	0.0480
25-29	0.1921	0.2163	-0.0242	0.2333	-0.0412	0.2238	-0.0317	0.1872	0.0049
30-34	0.1224	0.1079	0.0145	0.1348	-0.0124	0.1088	0.0136	0.1461	-0.0237
35-39	0.0726	0.0493	0.0233	0.0636	0.0090	0.0478	0.0248	0.0849	-0.0123
40-44	0.0323	0.0221	0.0102	0.0267	0.0056	0.0208	0.0115	0.0281	0.0042
45-49	0.0074	0.0099	-0.0025	0.0103	-0.0029	0.0093	-0.0019	0.0003	0.0071
ERROR MEDIO ABSOLUTO (%)			28.3405		15.0479		27.9346		17.6440

Fuente : Cuadro 15.

Cuadro 17

COMPARACION DE DESCENDENCIA PROMEDIO, EDAD MEDIA A LA MATERNIDAD Y TASA BRUTA DE REPRODUCCION

1975 - 2020

Hipótesis Alta

	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020
DESCENDENCIA PROMEDIO (D)										
Observada	6.0115	4.9510	4.3315	4.0200	3.8850	3.8295	3.7982	3.7645	3.7285	3.6940
Hadwiger	5.9166	4.8104	4.1954	3.8875	3.7546	3.6967	3.6690	3.6358	3.6003	3.5685
$\lvert D - \hat{D} \rvert$	0.0949	0.1406	0.1361	0.1325	0.1304	0.1328	0.1292	0.1287	0.1282	0.1255
Gamma	5.5883	5.5533	4.8513	4.4742	4.3022	4.2355	4.1942	4.1561	4.1094	4.0641
$\lvert D - \hat{D} \rvert$	0.4232	0.6023	0.5198	0.4542	0.4172	0.4060	0.3960	0.3916	0.3809	0.3701
Lognormal	5.9073	4.8294	4.2200	3.9141	3.7817	3.7271	3.6965	3.6634	3.6280	3.5943
$\lvert D - \hat{D} \rvert$	0.1042	0.1216	0.1115	0.1059	0.1033	0.1024	0.1017	0.1011	0.1005	0.0997
Polinomio	6.0689	4.9681	4.3421	4.0291	3.8940	3.8384	3.8073	3.7734	3.7376	3.7032
$\lvert D - \hat{D} \rvert$	0.0574	0.0171	0.0106	0.0091	0.0090	0.0089	0.0091	0.0089	0.0091	0.0092
EDAD MEDIA A LA MATERINAD (y)										
Observada	29.2013	28.3377	27.9294	27.7245	27.6345	27.5973	27.5773	27.5578	27.5315	27.5108
Hadwiger	28.7817	28.0883	27.7769	27.6196	27.5504	27.5215	27.5061	27.4910	27.4706	27.4547
$\lvert \bar{y} - \hat{\bar{y}} \rvert$	0.4196	0.2494	0.1525	0.1049	0.0841	0.0758	0.0712	0.0668	0.0609	0.0561
Gamma	28.9070	28.0248	27.6518	27.4650	27.3836	27.3493	27.3314	27.3131	27.2893	27.2708
$\lvert \bar{y} - \hat{\bar{y}} \rvert$	0.2943	0.3129	0.2776	0.2595	0.2509	0.2480	0.2459	0.2447	0.2422	0.2400
Lognormal	28.7714	28.0205	27.6896	27.5234	27.4506	27.4203	27.4042	27.3881	27.3668	27.3501
$\lvert \bar{y} - \hat{\bar{y}} \rvert$	0.4299	0.3172	0.2398	0.2011	0.1839	0.1770	0.1731	0.1697	0.1647	0.1607
Polinomio	29.0864	28.3066	27.8980	27.6920	27.6015	27.5648	27.5447	27.5259	27.4999	27.4792
$\lvert \bar{y} - \hat{\bar{y}} \rvert$	0.1149	0.0311	0.0314	0.0325	0.0330	0.0325	0.0326	0.0319	0.0316	0.0316

Cuadro 17
(Continuación)

COMPARACION DE DESCENDENCIA PROMEDIO, EDAD MEDIA A LA MATERNIDAD Y TASA BRUTA DE REPRODUCCION

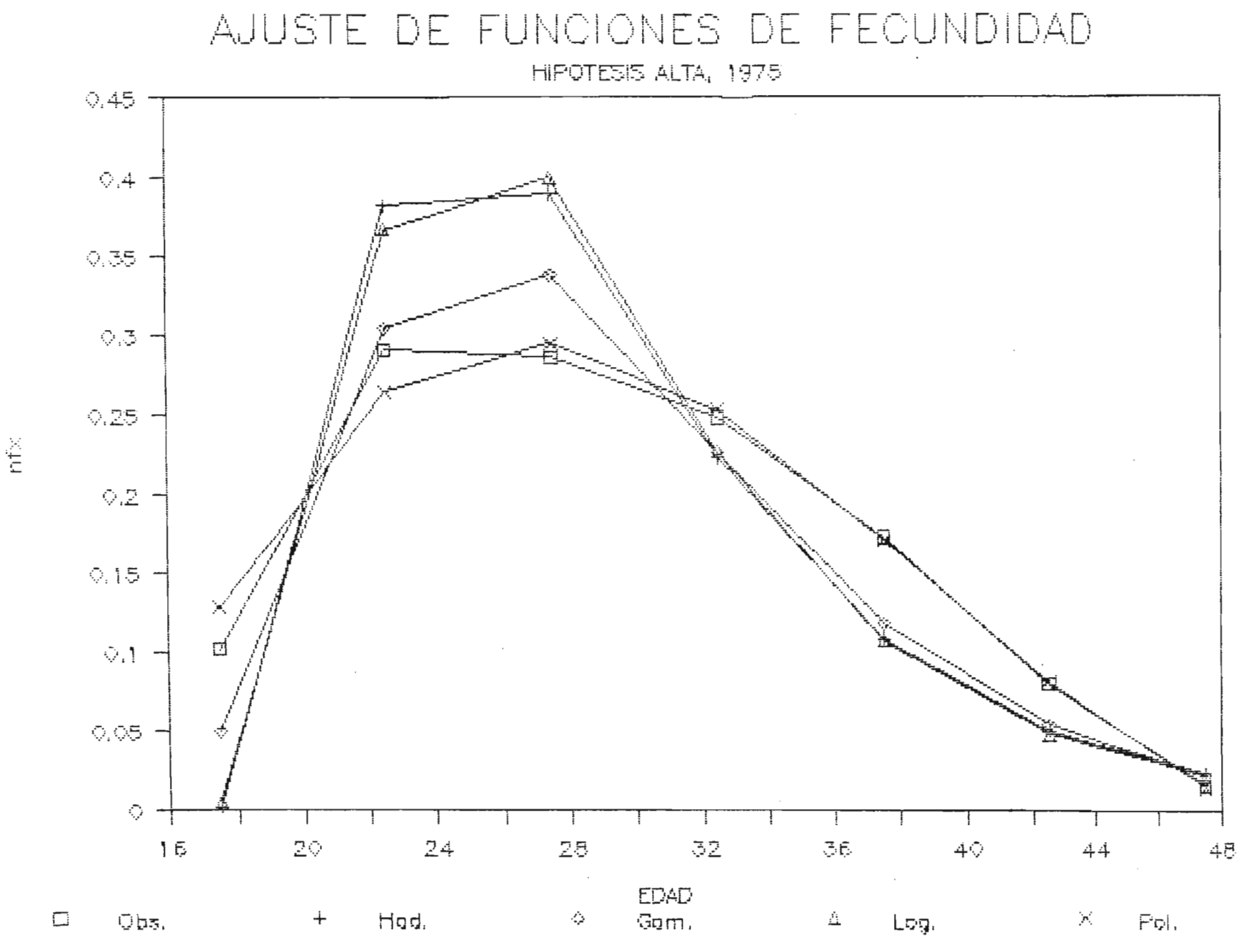
1975 - 2020

Hipótesis Alta

	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020
					TASA BRUTA DE REPRODUCCION (TBR)					
Observada	2.9324	2.4151	2.1129	1.9610	1.8951	1.8680	1.8528	1.8363	1.8188	1.8020
Hadwiger	2.8861	2.3465	2.0465	1.8963	1.8315	1.8033	1.7898	1.7736	1.7562	1.7407
$\lvert TBR - \widehat{TBR} \rvert$	0.0463	0.0686	0.0664	0.0646	0.0636	0.0648	0.0630	0.0628	0.0625	0.0612
Gamma	2.7260	2.7089	2.3665	2.1825	2.0986	2.0661	2.0460	2.0274	2.0046	1.9825
$\lvert TBR - \widehat{TBR} \rvert$	0.2064	0.2938	0.2536	0.2216	0.2035	0.1980	0.1932	0.1910	0.1858	0.1805
Lognormal	2.8816	2.3558	2.0585	1.9093	1.8447	1.8181	1.8032	1.7870	1.7698	1.7533
$\lvert TBR - \widehat{TBR} \rvert$	0.0508	0.0593	0.0544	0.0517	0.0504	0.0500	0.0496	0.0493	0.0490	0.0486
Polinomio	2.9604	2.4235	2.1181	1.9654	1.8995	1.8724	1.8572	1.8407	1.8232	1.8064
$\lvert TBR - \widehat{TBR} \rvert$	0.0280	0.0083	0.0052	0.0044	0.0044	0.0043	0.0044	0.0043	0.0044	0.0045

Fuente : Cuadros 2, 3, 6, 9 y 12.

Gráfica 1


AJUSTE DE FUNCIONES DE FECUNDIDAD
HIPOTESIS ALTA, 1975
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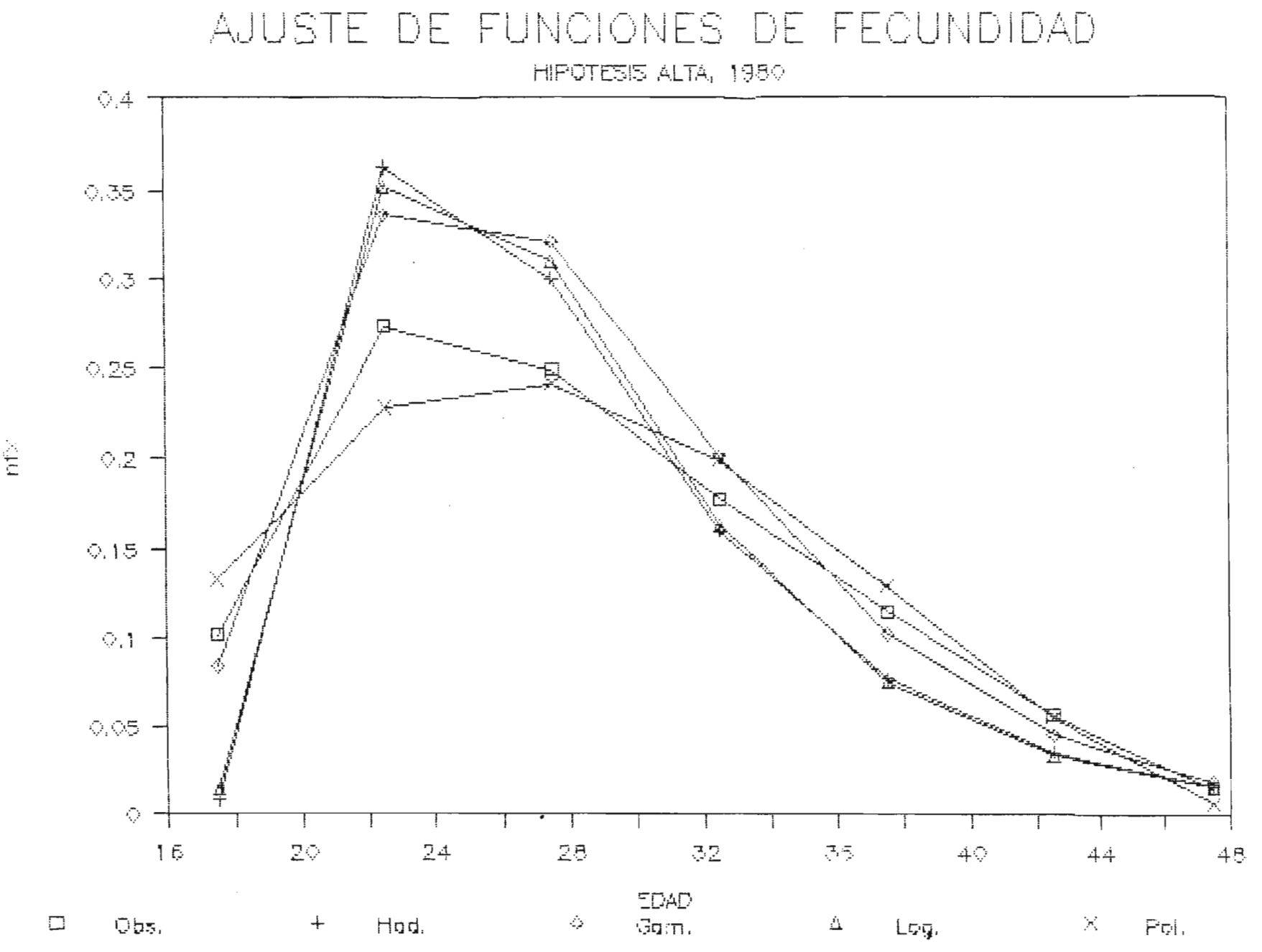
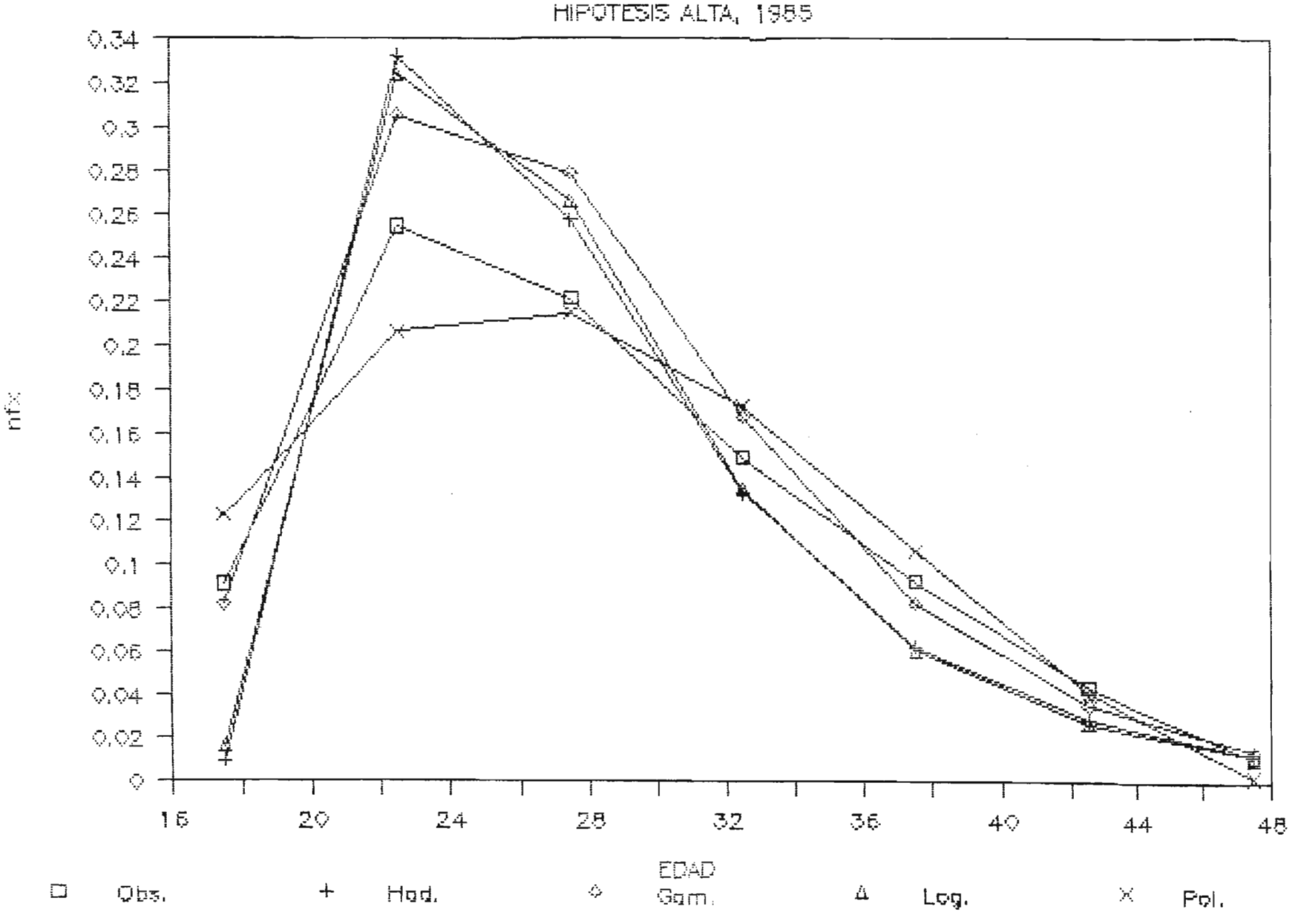
0
mfx
16
20
24
28
32
36
40
44
48
EDAD
Obs.
Had.
Gam.
Log.
Pol.

Gráfica 2


AJUSTE DE FUNCIONES DE FECUNDIDAD
HIPOTESIS ALTA, 1980
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
m(x)
16
20
24
28
32
36
40
44
48
EDAD
Obs.
Mod.
Gam.
Log.
Pol.

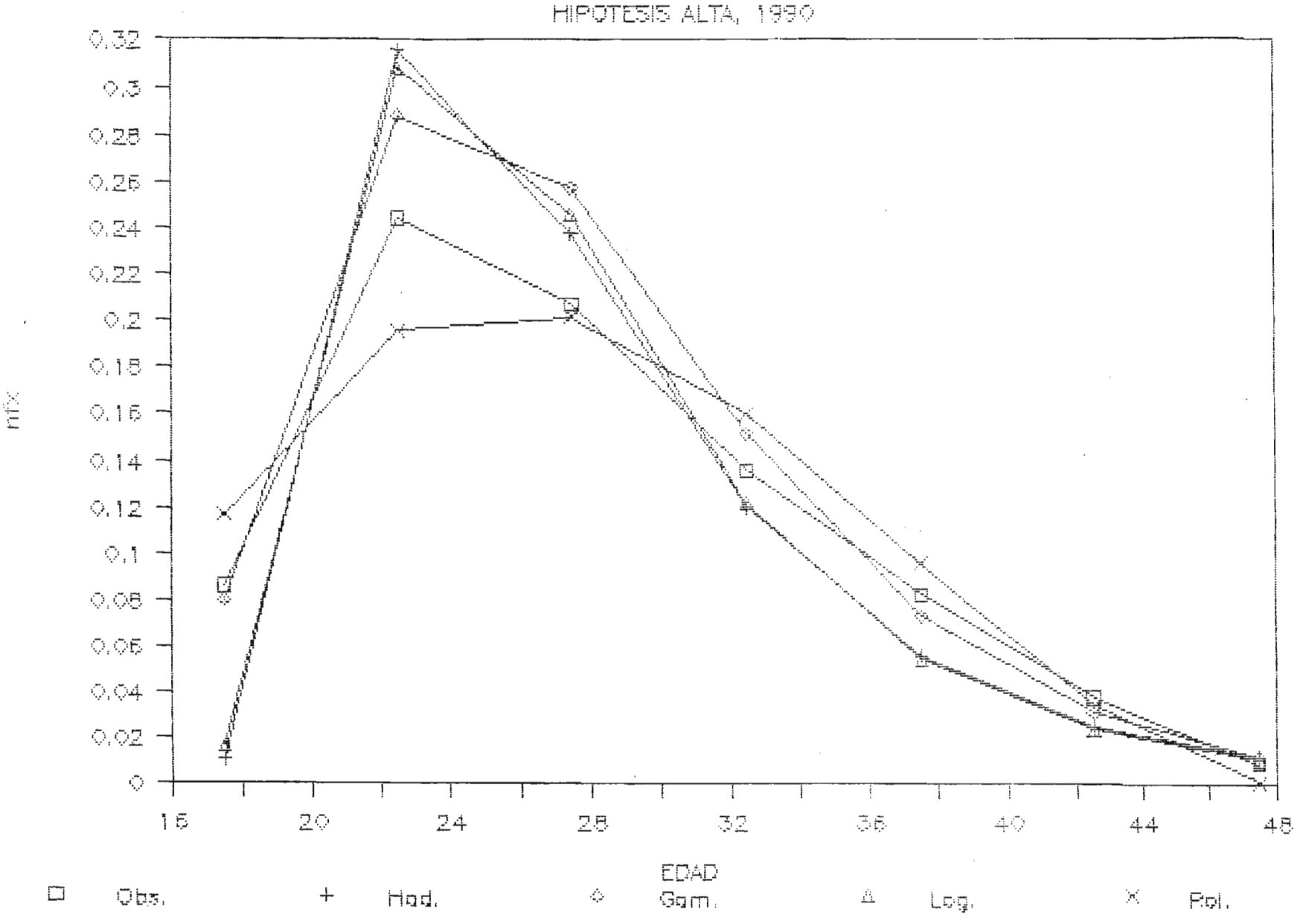
Gráfica 3

AJUSTE DE FUNCIONES DE FECUNDIDAD



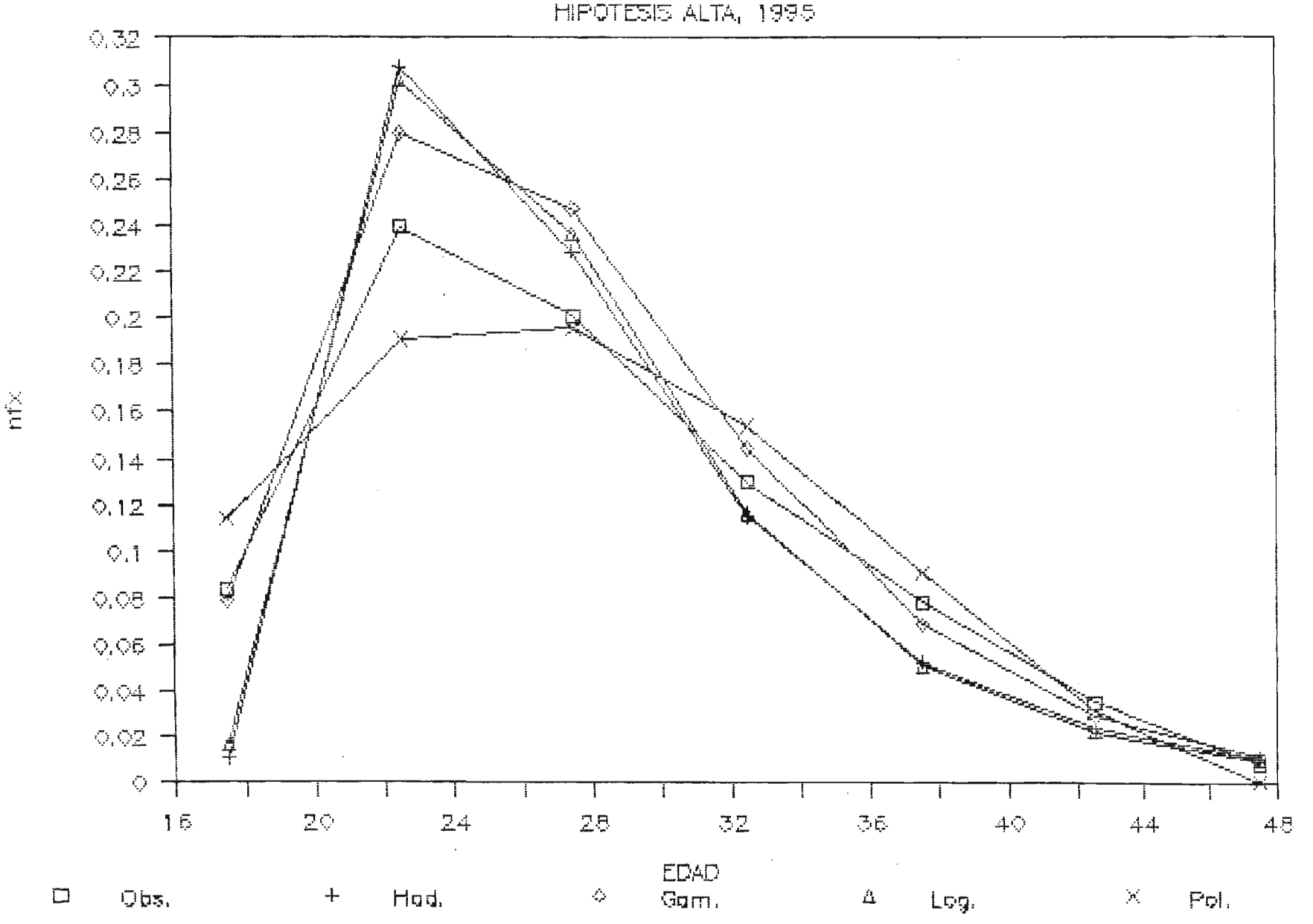
Gráfica 4

AJUSTE DE FUNCIONES DE FECUNDIDAD



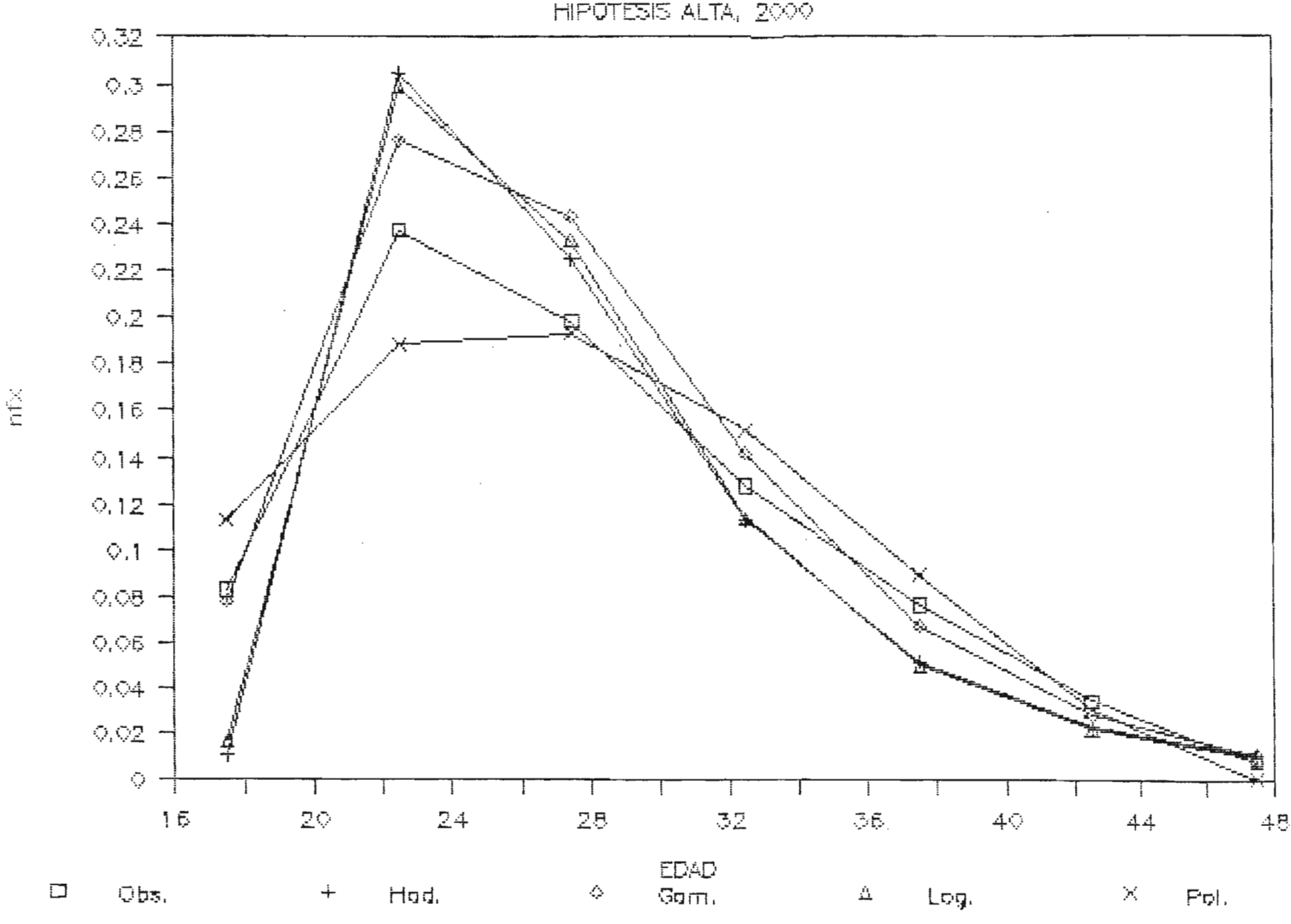
Gráfica 5

AJUSTE DE FUNCIONES DE FECUNDIDAD



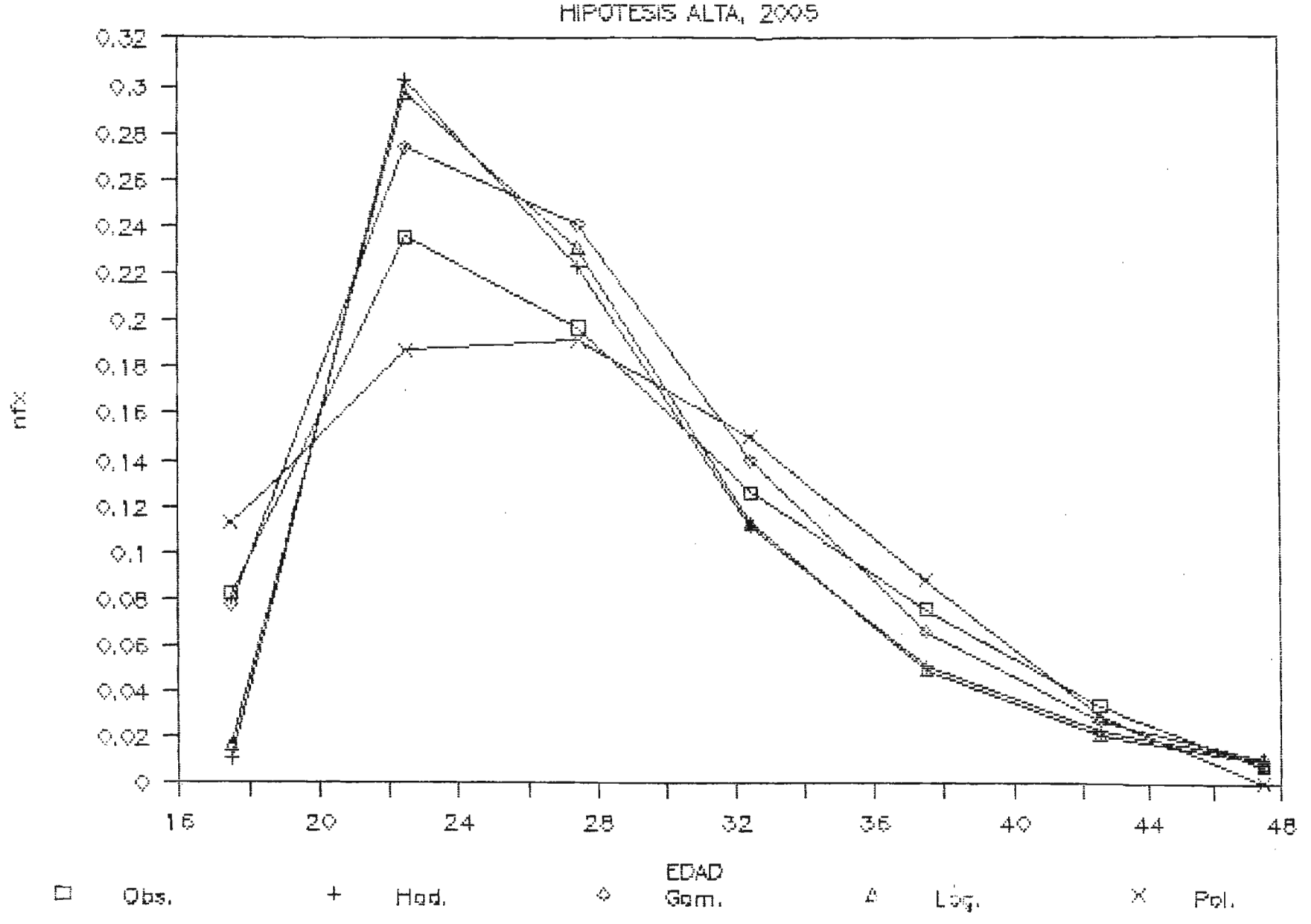
Gráfica 6

AJUSTE DE FUNCIONES DE FECUNDIDAD



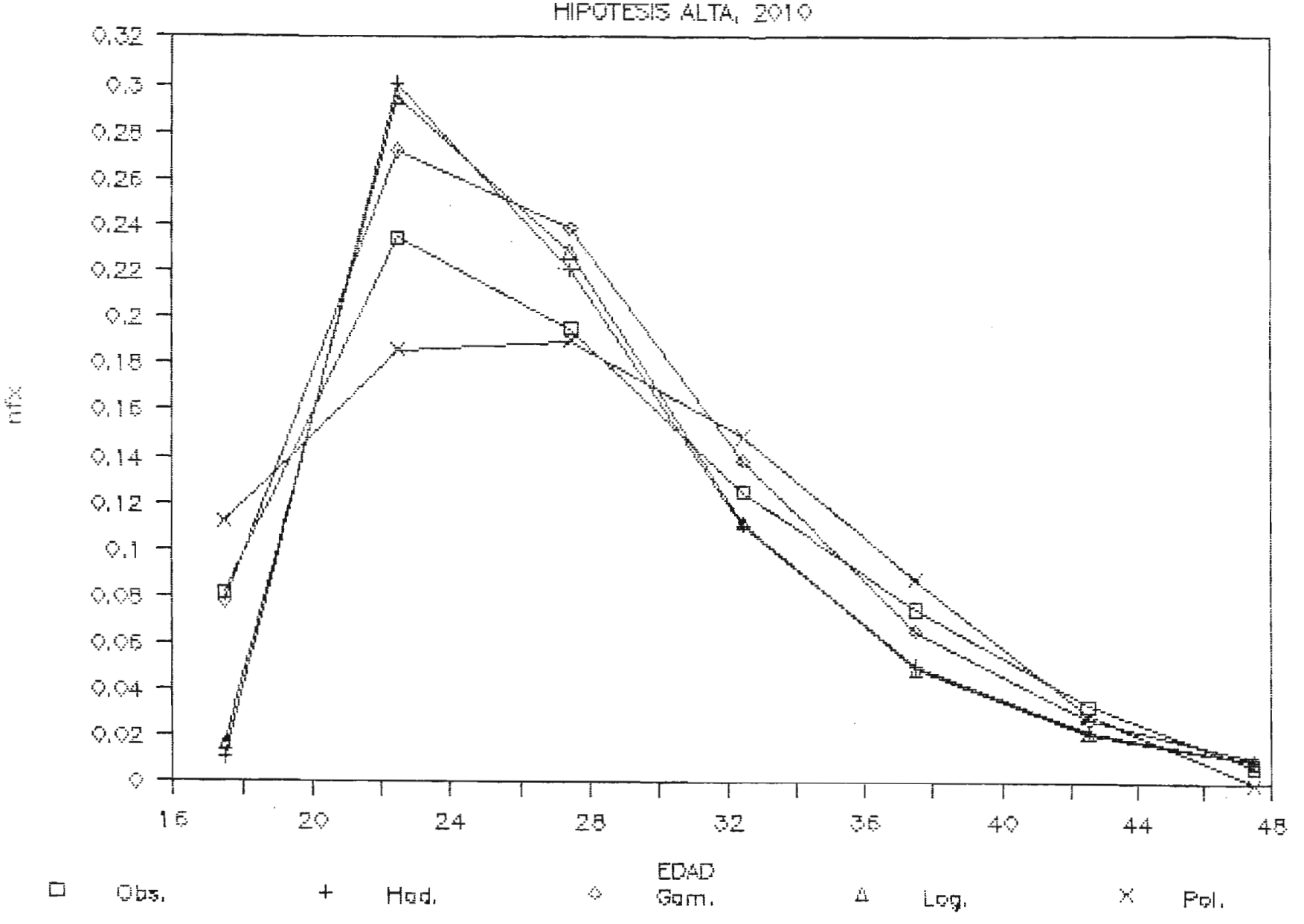
Gráfica 7

AJUSTE DE FUNCIONES DE FECUNDIDAD



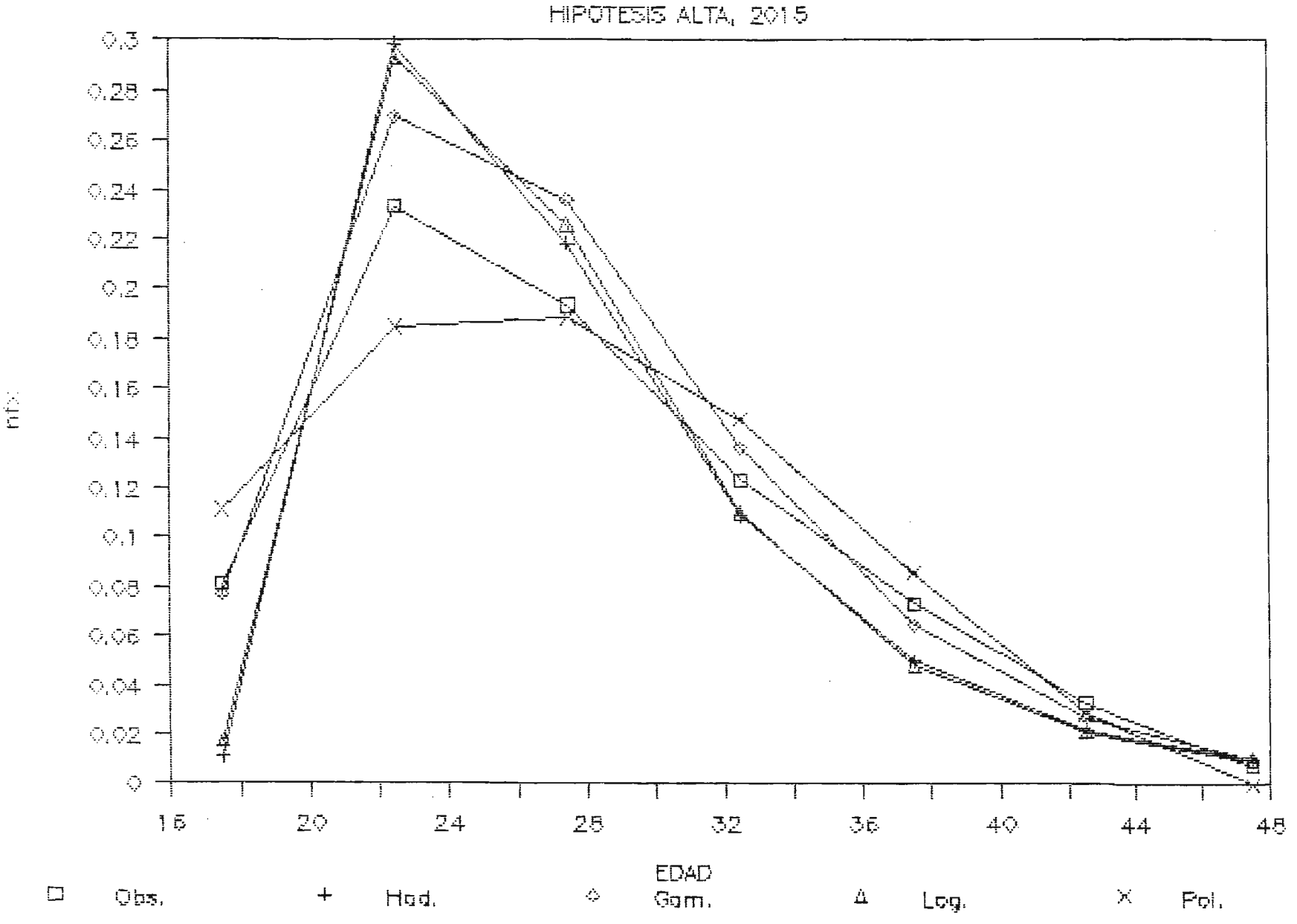
Gráfica 8

AJUSTE DE FUNCIONES DE FECUNDIDAD



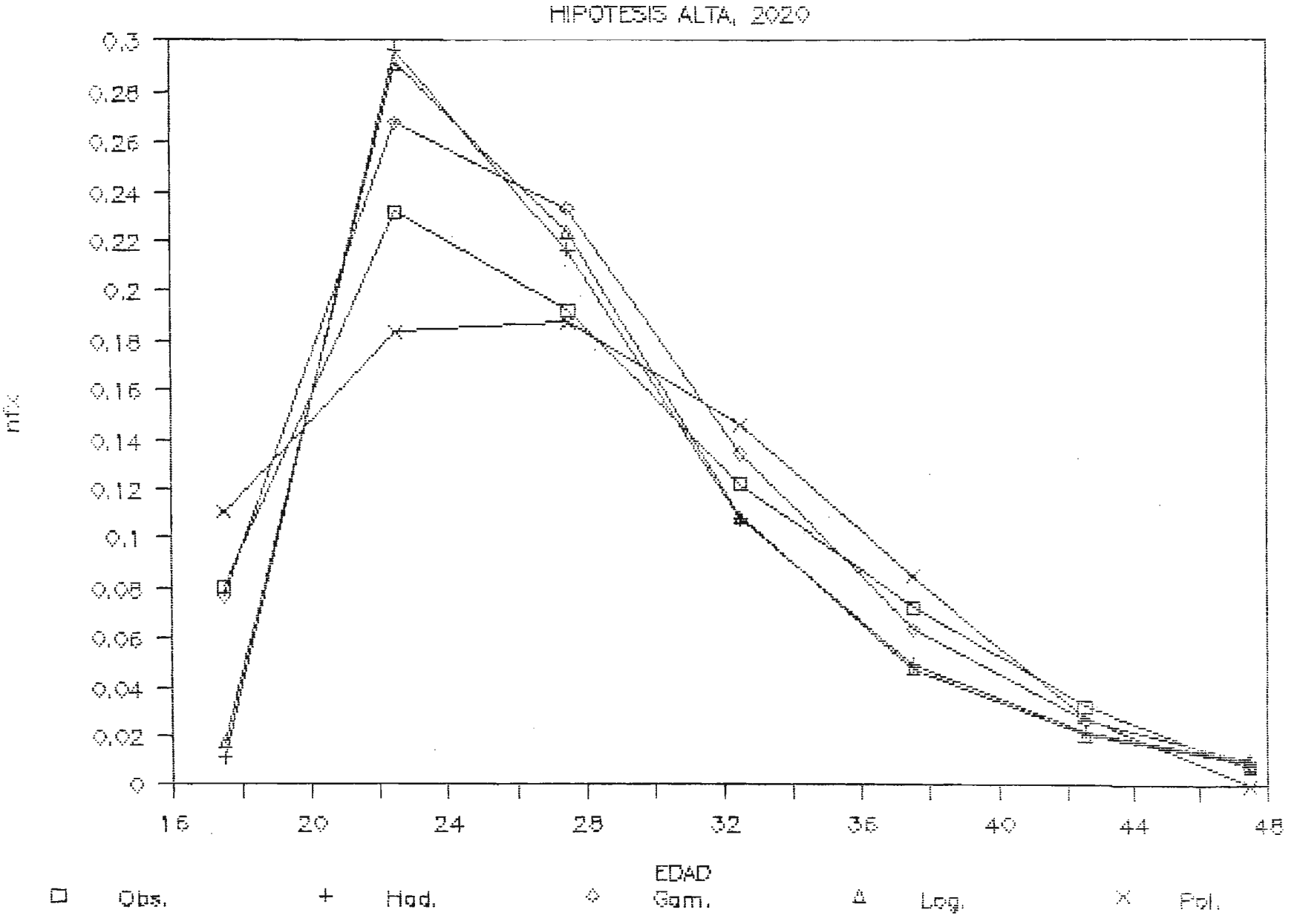
Gráfica 9

AJUSTE DE FUNCIONES DE FECUNDIDAD



Gráfica 10

AJUSTE DE FUNCIONES DE FECUNDIDAD



Cuadro 18

COMPARACION DE TASAS ANUALES DE FECUNDIDAD OBSERVADAS Y ESTIMADAS

Hipótesis Media

Grupos de Edades	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020
TASAS OBSERVADAS										
15-19	0.1025	0.0976	0.0831	0.0750	0.0713	0.0699	0.0693	0.0688	0.0682	0.0676
20-24	0.2918	0.2663	0.2372	0.2187	0.2098	0.2063	0.2050	0.2035	0.2021	0.2007
25-29	0.2873	0.2382	0.1989	0.1776	0.1683	0.1646	0.1632	0.1617	0.1603	0.1589
30-34	0.2492	0.1662	0.1284	0.1100	0.1024	0.0994	0.0983	0.0971	0.0960	0.0949
35-39	0.1743	0.1058	0.0770	0.0637	0.0583	0.0563	0.0555	0.0547	0.0539	0.0532
40-44	0.0807	0.0516	0.0347	0.0273	0.0243	0.0232	0.0228	0.0224	0.0220	0.0216
45-49	0.0165	0.0136	0.0082	0.0059	0.0050	0.0046	0.0045	0.0044	0.0043	0.0042
TASAS ESTIMADAS										
Hadwiger										
15-19	0.0025	0.0088	0.0108	0.0115	0.0116	0.0116	0.0116	0.0116	0.0116	0.0116
20-24	0.3825	0.3510	0.3053	0.2781	0.2655	0.2606	0.2587	0.2567	0.2547	0.2527
25-29	0.3903	0.2827	0.2256	0.1969	0.1847	0.1800	0.1782	0.1763	0.1745	0.1727
30-34	0.2234	0.1492	0.1134	0.0963	0.0893	0.0865	0.0855	0.0845	0.0834	0.0825
35-39	0.1098	0.0713	0.0522	0.0434	0.0398	0.0384	0.0379	0.0374	0.0369	0.0364
40-44	0.0513	0.0331	0.0235	0.0192	0.0174	0.0167	0.0165	0.0162	0.0160	0.0158
45-49	0.0235	0.0153	0.0106	0.0085	0.0076	0.0073	0.0072	0.0071	0.0069	0.0068
Gamma										
15-19	0.0504	0.0840	0.0783	0.0722	0.0687	0.0673	0.0667	0.0664	0.0658	0.0652
20-24	0.3046	0.3248	0.2769	0.2471	0.2328	0.2271	0.2250	0.2231	0.2209	0.2187
25-29	0.3384	0.3047	0.2439	0.2107	0.1959	0.1901	0.1879	0.1859	0.1837	0.1816
30-34	0.2275	0.1878	0.1423	0.1191	0.1091	0.1052	0.1038	0.1024	0.1010	0.0996
35-39	0.1197	0.0943	0.0678	0.0550	0.0496	0.0475	0.0468	0.0461	0.0454	0.0446
40-44	0.0544	0.0419	0.0287	0.0226	0.0200	0.0191	0.0187	0.0184	0.0181	0.0177
45-49	0.0225	0.0172	0.0112	0.0085	0.0075	0.0071	0.0069	0.0068	0.0066	0.0065

Cuadro 18
(Continuación)

COMPARACION DE TASAS DE FECUNDIDAD OBSERVADAS Y ESTIMADAS

Hipótesis Media

Grupos de Edades	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020
TASAS OBSERVADAS										
15-19	0.1025	0.0976	0.0831	0.0750	0.0713	0.0699	0.0693	0.0688	0.0682	0.0676
20-24	0.2918	0.2663	0.2372	0.2187	0.2098	0.2063	0.2050	0.2035	0.2021	0.2007
25-29	0.2873	0.2382	0.1989	0.1776	0.1683	0.1646	0.1632	0.1617	0.1603	0.1589
30-34	0.2492	0.1662	0.1284	0.1100	0.1024	0.0994	0.0983	0.0971	0.0960	0.0949
35-39	0.1743	0.1058	0.0770	0.0637	0.0583	0.0563	0.0555	0.0547	0.0539	0.0532
40-44	0.0807	0.0516	0.0347	0.0273	0.0243	0.0232	0.0228	0.0224	0.0220	0.0216
45-49	0.0165	0.0136	0.0082	0.0059	0.0050	0.0046	0.0045	0.0044	0.0043	0.0042
TASAS ESTIMADAS										
Lognormal										
15-19	0.0064	0.0154	0.0171	0.0173	0.0172	0.0171	0.0171	0.0171	0.0170	0.0169
20-24	0.3671	0.3414	0.2992	0.2736	0.2617	0.2570	0.2552	0.2533	0.2514	0.2495
25-29	0.4005	0.2922	0.2334	0.2036	0.1910	0.1861	0.1843	0.1823	0.1804	0.1786
30-34	0.2278	0.1515	0.1145	0.0970	0.0897	0.0869	0.0859	0.0848	0.0837	0.0827
35-39	0.1083	0.0696	0.0507	0.0420	0.0384	0.0370	0.0365	0.0360	0.0355	0.0350
40-44	0.0491	0.0314	0.0222	0.0181	0.0164	0.0157	0.0155	0.0153	0.0150	0.0148
45-49	0.0222	0.0143	0.0099	0.0080	0.0072	0.0069	0.0067	0.0066	0.0065	0.0064
Polinomio de Tercer Grado										
15-19	0.1290	0.1289	0.1135	0.1040	0.0995	0.0977	0.0970	0.0964	0.0956	0.0949
20-24	0.2646	0.2194	0.1889	0.1719	0.1644	0.1614	0.1603	0.1590	0.1578	0.1567
25-29	0.2958	0.2307	0.1935	0.1737	0.1651	0.1617	0.1604	0.1590	0.1576	0.1563
30-34	0.2543	0.1887	0.1522	0.1334	0.1253	0.1221	0.1209	0.1196	0.1184	0.1172
35-39	0.1725	0.1197	0.0897	0.0749	0.0687	0.0663	0.0654	0.0644	0.0636	0.0627
40-44	0.0822	0.0497	0.0309	0.0225	0.0191	0.0178	0.0173	0.0169	0.0165	0.0160
45-49	0.0155	0.0050	0.0006	0.0000	0.0002	0.0003	0.0004	0.0004	0.0005	0.0006

Fuente : Cuadros 2, 4, 7, 10 y 13.

Cuadro 19

COMPARACION DE TASAS ANUALES DE FECUNDIDAD OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Media

1 9 7 5

Grupos de Edades	Observadas	Hadwiger	% error	Gamma	% error	Lognormal	% error	Polinomio de Tercer Grado	% error
15-19	0.1025	0.0025	0.1000	0.0504	0.0521	0.0064	0.0961	0.1290	-0.0265
20-24	0.2918	0.3825	-0.0907	0.3046	-0.0128	0.3671	-0.0753	0.2646	0.0272
25-29	0.2873	0.3903	-0.1030	0.3384	-0.0511	0.4005	-0.1132	0.2958	-0.0085
30-34	0.2492	0.2234	0.0258	0.2275	0.0217	0.2278	0.0214	0.2543	-0.0051
35-39	0.1743	0.1098	0.0645	0.1197	0.0546	0.1083	0.0660	0.1725	0.0018
40-44	0.0807	0.0513	0.0294	0.0544	0.0263	0.0491	0.0316	0.0822	-0.0015
45-49	0.0165	0.0235	-0.0070	0.0225	-0.0060	0.0222	-0.0057	0.0155	0.0010
ERROR MEDIO ABSOLUTO (%)			34.9674		18.6775		34.0480		5.9484

1 9 8 0

Grupos de Edades	Observadas	Hadwiger	% error	Gamma	% error	Lognormal	% error	Polinomio de Tercer Grado	% error
15-19	0.0976	0.0088	0.0888	0.0840	0.0136	0.0154	0.0822	0.1289	-0.0313
20-24	0.2663	0.3510	-0.0847	0.3248	-0.0585	0.3414	-0.0751	0.2194	0.0469
25-29	0.2382	0.2827	-0.0445	0.3047	-0.0665	0.2922	-0.0540	0.2307	0.0075
30-34	0.1662	0.1492	0.0170	0.1878	-0.0216	0.1515	0.0147	0.1887	-0.0225
35-39	0.1058	0.0713	0.0345	0.0943	0.0115	0.0696	0.0362	0.1197	-0.0139
40-44	0.0516	0.0331	0.0185	0.0419	0.0097	0.0314	0.0202	0.0497	0.0019
45-49	0.0136	0.0153	-0.0017	0.0172	-0.0036	0.0143	-0.0007	0.0050	0.0086
ERROR MEDIO ABSOLUTO (%)			30.8499		19.6862		30.1435		14.1095

Cuadro 19
(Continuación)

COMPARACION DE TASAS ANUALES DE FECUNDIDAD OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Media

1 9 8 5

Grupos de Edades	Observadas	Hadwiger	% error	Gamma	% error	Lognormal	% error	Polinomio de Tercer Grado	% error
15-19	0.0831	0.0108	0.0723	0.0783	0.0048	0.0171	0.0660	0.1135	-0.0304
20-24	0.2372	0.3053	-0.0681	0.2769	-0.0397	0.2992	-0.0620	0.1889	0.0483
25-29	0.1989	0.2256	-0.0267	0.2439	-0.0450	0.2334	-0.0345	0.1935	0.0054
30-34	0.1284	0.1134	0.0150	0.1423	-0.0139	0.1145	0.0139	0.1522	-0.0238
35-39	0.0770	0.0522	0.0248	0.0678	0.0092	0.0507	0.0263	0.0897	-0.0127
40-44	0.0347	0.0235	0.0112	0.0287	0.0060	0.0222	0.0125	0.0309	0.0038
45-49	0.0082	0.0106	-0.0024	0.0112	-0.0030	0.0099	-0.0017	0.0006	0.0076
ERROR MEDIO ABSOLUTO (%)			28.7095		15.8408		28.2585		17.2039

1 9 9 0

Grupos de Edades	Observadas	Hadwiger	% error	Gamma	% error	Lognormal	% error	Polinomio de Tercer Grado	% error
15-19	0.0750	0.0115	0.0635	0.0722	0.0028	0.0173	0.0577	0.1040	-0.0290
20-24	0.2187	0.2781	-0.0594	0.2471	-0.0284	0.2736	-0.0549	0.1719	0.0468
25-29	0.1776	0.1969	-0.0193	0.2107	-0.0331	0.2036	-0.0260	0.1737	0.0039
30-34	0.1100	0.0963	0.0137	0.1191	-0.0091	0.0970	0.0130	0.1334	-0.0234
35-39	0.0637	0.0434	0.0203	0.0550	0.0087	0.0420	0.0217	0.0749	-0.0112
40-44	0.0273	0.0192	0.0081	0.0226	0.0047	0.0181	0.0092	0.0225	0.0048
45-49	0.0059	0.0085	-0.0026	0.0085	-0.0026	0.0080	-0.0021	0.0000	0.0059
ERROR MEDIO ABSOLUTO (%)			27.5375		13.1805		27.2310		18.4281

Cuadro 19
(Continuación)

COMPARACION DE TASAS ANUALES DE FECUNDIDAD OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Media

1 9 9 5

Grupos de Edades	Observadas	Hadwiger	% error	Gamma	% error	Lognormal	% error	Polinomio de Tercer Grado	% error
15-19	0.0713	0.0116	0.0597	0.0687	0.0026	0.0172	0.0541	0.0995	-0.0282
20-24	0.2098	0.2655	-0.0557	0.2328	-0.0230	0.2617	-0.0519	0.1644	0.0454
25-29	0.1683	0.1847	-0.0164	0.1959	-0.0276	0.1910	-0.0227	0.1651	0.0032
30-34	0.1024	0.0893	0.0131	0.1091	-0.0067	0.0897	0.0127	0.1253	-0.0229
35-39	0.0583	0.0398	0.0185	0.0496	0.0087	0.0384	0.0199	0.0687	-0.0104
40-44	0.0243	0.0174	0.0069	0.0200	0.0043	0.0164	0.0079	0.0191	0.0052
45-49	0.0050	0.0076	-0.0026	0.0075	-0.0025	0.0072	-0.0022	0.0002	0.0048
ERROR MEDIO ABSOLUTO (%)			27.0512		11.7622		26.8091		18.7899

2 0 0 0

Grupos de Edades	Observadas	Hadwiger	% error	Gamma	% error	Lognormal	% error	Polinomio de Tercer Grado	% error
15-19	0.0699	0.0116	0.0583	0.0673	0.0026	0.0171	0.0528	0.0977	-0.0278
20-24	0.2063	0.2606	-0.0543	0.2271	-0.0208	0.2570	-0.0507	0.1614	0.0449
25-29	0.1646	0.1800	-0.0154	0.1901	-0.0255	0.1861	-0.0215	0.1617	0.0029
30-34	0.0994	0.0865	0.0129	0.1052	-0.0058	0.0869	0.0125	0.1221	-0.0227
35-39	0.0563	0.0384	0.0179	0.0475	0.0088	0.0370	0.0193	0.0663	-0.0100
40-44	0.0232	0.0167	0.0065	0.0191	0.0041	0.0157	0.0075	0.0178	0.0054
45-49	0.0046	0.0073	-0.0027	0.0071	-0.0025	0.0069	-0.0023	0.0003	0.0043
ERROR MEDIO ABSOLUTO (%)			26.8934		11.2142		26.6781		18.8883

Cuadro 19
(Continuación)

COMPARACION DE TASAS ANUALES DE FECUNDIDAD OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Media

2 0 0 5

Grupos de Edades	Observadas	Hadwiger	% error	Gamma	% error	Lognormal	% error	Polinomio de Tercer Grado	% error
15-19	0.0693	0.0116	0.0577	0.0667	0.0026	0.0171	0.0522	0.0970	-0.0277
20-24	0.2050	0.2587	-0.0537	0.2250	-0.0200	0.2552	-0.0502	0.1603	0.0447
25-29	0.1632	0.1782	-0.0150	0.1879	-0.0247	0.1843	-0.0211	0.1604	0.0028
30-34	0.0983	0.0855	0.0128	0.1038	-0.0055	0.0859	0.0124	0.1209	-0.0226
35-39	0.0555	0.0379	0.0176	0.0468	0.0087	0.0365	0.0190	0.0654	-0.0099
40-44	0.0228	0.0165	0.0063	0.0187	0.0041	0.0155	0.0073	0.0173	0.0055
45-49	0.0045	0.0072	-0.0027	0.0069	-0.0024	0.0067	-0.0022	0.0004	0.0041
ERROR MEDIO ABSOLUTO (%)			26.7935		10.9768		26.5872		18.9610

2 0 1 0

Grupos de Edades	Observadas	Hadwiger	% error	Gamma	% error	Lognormal	% error	Polinomio de Tercer Grado	% error
15-19	0.0688	0.0116	0.0572	0.0664	0.0024	0.0171	0.0517	0.0964	-0.0276
20-24	0.2035	0.2567	-0.0532	0.2231	-0.0196	0.2533	-0.0498	0.1590	0.0445
25-29	0.1617	0.1763	-0.0146	0.1859	-0.0242	0.1823	-0.0206	0.1590	0.0027
30-34	0.0971	0.0845	0.0126	0.1024	-0.0053	0.0848	0.0123	0.1196	-0.0225
35-39	0.0547	0.0374	0.0173	0.0461	0.0086	0.0360	0.0187	0.0644	-0.0097
40-44	0.0224	0.0162	0.0062	0.0184	0.0040	0.0153	0.0071	0.0169	0.0055
45-49	0.0044	0.0071	-0.0027	0.0068	-0.0024	0.0066	-0.0022	0.0004	0.0040
ERROR MEDIO ABSOLUTO (%)			26.7174		10.8490		26.5206		19.0126

Cuadro 19
(Continuación)

COMPARACION DE TASAS ANUALES DE FECUNDIDAD OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Media

2 0 1 5

Grupos de Edades	Observadas	Hadwiger	% error	Gamma	% error	Lognormal	% error	Polinomio de Tercer Grado	% error
15-19	0.0682	0.0116	0.0566	0.0658	0.0024	0.0170	0.0512	0.0956	-0.0274
20-24	0.2021	0.2547	-0.0526	0.2209	-0.0188	0.2514	-0.0493	0.1578	0.0443
25-29	0.1603	0.1745	-0.0142	0.1837	-0.0234	0.1804	-0.0201	0.1576	0.0027
30-34	0.0960	0.0834	0.0126	0.1010	-0.0050	0.0837	0.0123	0.1184	-0.0224
35-39	0.0539	0.0369	0.0170	0.0454	0.0085	0.0355	0.0184	0.0636	-0.0097
40-44	0.0220	0.0160	0.0060	0.0181	0.0039	0.0150	0.0070	0.0165	0.0055
45-49	0.0043	0.0069	-0.0026	0.0066	-0.0023	0.0065	-0.0022	0.0005	0.0038
ERROR MEDIO ABSOLUTO (%)			26.6242		10.6067		26.4365		19.0734

2 0 2 0

Grupos de Edades	Observadas	Hadwiger	% error	Gamma	% error	Lognormal	% error	Polinomio de Tercer Grado	% error
15-19	0.0676	0.0116	0.0560	0.0652	0.0024	0.0169	0.0507	0.0949	-0.0273
20-24	0.2007	0.2527	-0.0520	0.2187	-0.0180	0.2495	-0.0488	0.1567	0.0440
25-29	0.1589	0.1727	-0.0138	0.1816	-0.0227	0.1786	-0.0197	0.1563	0.0026
30-34	0.0949	0.0825	0.0124	0.0996	-0.0047	0.0827	0.0122	0.1172	-0.0223
35-39	0.0532	0.0364	0.0168	0.0446	0.0086	0.0350	0.0182	0.0627	-0.0095
40-44	0.0216	0.0158	0.0058	0.0177	0.0039	0.0148	0.0068	0.0160	0.0056
45-49	0.0042	0.0068	-0.0026	0.0065	-0.0023	0.0064	-0.0022	0.0006	0.0036
ERROR MEDIO ABSOLUTO (%)			26.5415		10.3985		26.3622		19.1172

Fuente : Cuadros 2, 4, 7, 10 y 13.

Cuadro 20

COMPARACION DE DESCENDENCIA PROMEDIO, EDAD MEDIA A LA MATERNIDAD Y TASA BRUTA DE REPRODUCCION

1975 - 2020

Hipótesis Media

	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020
DESCENDENCIA PROMEDIO (D)										
Observada	6.0115	4.6965	3.8375	3.3910	3.1970	3.1215	3.0930	3.0630	3.0340	3.0055
Hadwiger	5.9166	4.5573	3.7077	3.2690	3.0795	3.0057	2.9779	2.9484	2.9202	2.8925
$\lvert D - \hat{D} \rvert$	0.0949	0.1392	0.1298	0.1220	0.1175	0.1158	0.1151	0.1146	0.1138	0.1130
Gamma	5.5883	5.2737	4.2454	3.6763	3.4177	3.3163	3.2789	3.2449	3.2067	3.1696
$\lvert D - \hat{D} \rvert$	0.4232	0.5772	0.4079	0.2853	0.2207	0.1948	0.1859	0.1819	0.1727	0.1641
Lognormal	5.9073	4.5789	3.7350	3.2973	3.1076	3.0338	3.0059	2.9764	2.9481	2.9203
$\lvert D - \hat{D} \rvert$	0.1042	0.1176	0.1025	0.0937	0.0894	0.0877	0.0871	0.0866	0.0859	0.0852
Polinomio	6.0689	4.7104	3.8464	3.4021	3.2107	3.1366	3.1085	3.0788	3.0503	3.0223
$\lvert D - \hat{D} \rvert$	0.0574	0.0139	0.0089	0.0111	0.0137	0.0151	0.0155	0.0158	0.0163	0.0168
EDAD MEDIA A LA MATERINAD (y)										
Observada	29.2013	28.1681	27.6036	27.3098	27.1833	27.1308	27.1128	27.0935	27.0756	27.0591
Hadwiger	28.7817	27.9591	27.5264	27.2982	27.1994	27.1582	27.1441	27.1287	27.1146	27.1016
$\lvert \bar{y} - y \rvert$	0.4196	0.2090	0.0772	0.0116	0.0161	0.0274	0.0313	0.0352	0.0390	0.0425
Gamma	28.9070	27.8697	27.3551	27.0880	26.9743	26.9271	26.9109	26.8927	26.8766	26.8618
$\lvert \bar{y} - \hat{y} \rvert$	0.2943	0.2984	0.2485	0.2218	0.2090	0.2037	0.2019	0.2008	0.1990	0.1973
Lognormal	28.7714	27.8830	27.4254	27.1866	27.0841	27.0415	27.0269	27.0108	26.9963	26.9829
$\lvert \bar{y} - \hat{y} \rvert$	0.4299	0.2851	0.1782	0.1232	0.0992	0.0893	0.0859	0.0827	0.0793	0.0762
Polinomio	29.0864	28.1376	27.5711	27.2852	27.1674	27.1203	27.1045	27.0880	27.0726	27.0584
$\lvert \bar{y} - \hat{y} \rvert$	0.1149	0.0305	0.0325	0.0246	0.0159	0.0105	0.0083	0.0055	0.0030	0.0007

Cuadro 20
(Continuación)

COMPARACION DE DESCENDENCIA PROMEDIO, EDAD MEDIA A LA MATERNIDAD Y TASA BRUTA DE REPRODUCCION

1975 - 2020

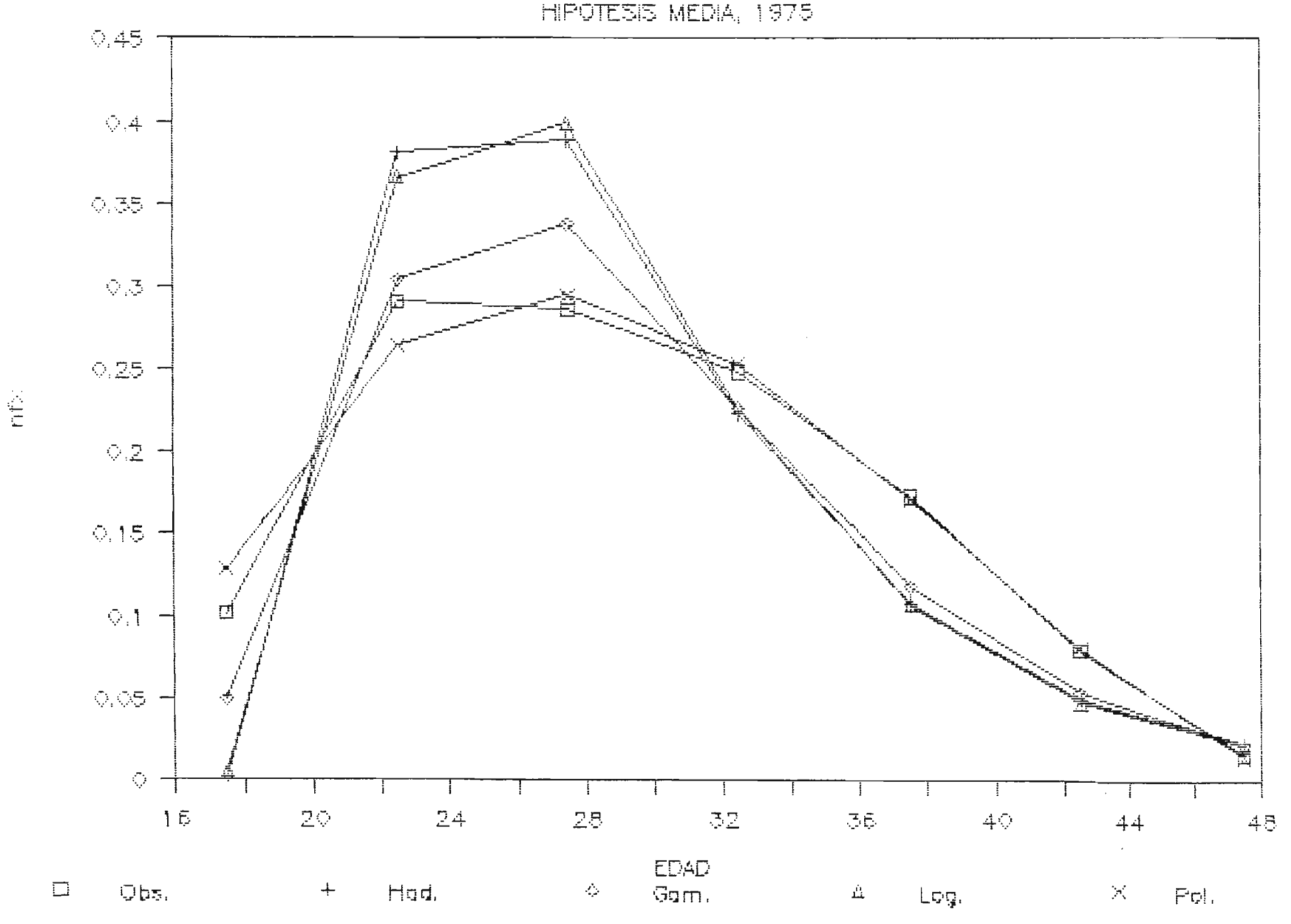
Hipótesis Media

	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020
					TASA BRUTA DE REPRODUCCION (TBR)					
Observada	2.9324	2.2910	1.8720	1.6541	1.5595	1.5227	1.5088	1.4941	1.4800	1.4661
Hadwiger	2.8861	2.2231	1.8086	1.5946	1.5022	1.4662	1.4526	1.4382	1.4245	1.4110
$\lvert TBR - \widehat{TBR} \rvert$	0.0463	0.0679	0.0633	0.0595	0.0573	0.0565	0.0561	0.0559	0.0555	0.0551
Gamma	2.7260	2.5725	2.0709	1.7933	1.6672	1.6177	1.5995	1.5829	1.5642	1.5461
$\lvert TBR - \widehat{TBR} \rvert$	0.2064	0.2816	0.1990	0.1392	0.1077	0.0950	0.0907	0.0887	0.0842	0.0800
Lognormal	2.8816	2.2336	1.8220	1.6084	1.5159	1.4799	1.4663	1.4519	1.4381	1.4245
$\lvert TBR - \widehat{TBR} \rvert$	0.0508	0.0574	0.0500	0.0457	0.0436	0.0428	0.0425	0.0422	0.0419	0.0416
Polinomio	2.9604	2.2978	1.8763	1.6596	1.5662	1.5300	1.5163	1.5019	1.4880	1.4743
$\lvert TBR - \widehat{TBR} \rvert$	0.0280	0.0068	0.0043	0.0054	0.0067	0.0074	0.0076	0.0077	0.0080	0.0082

Fuente : Cuadros 2, 4, 7, 10 y 13.

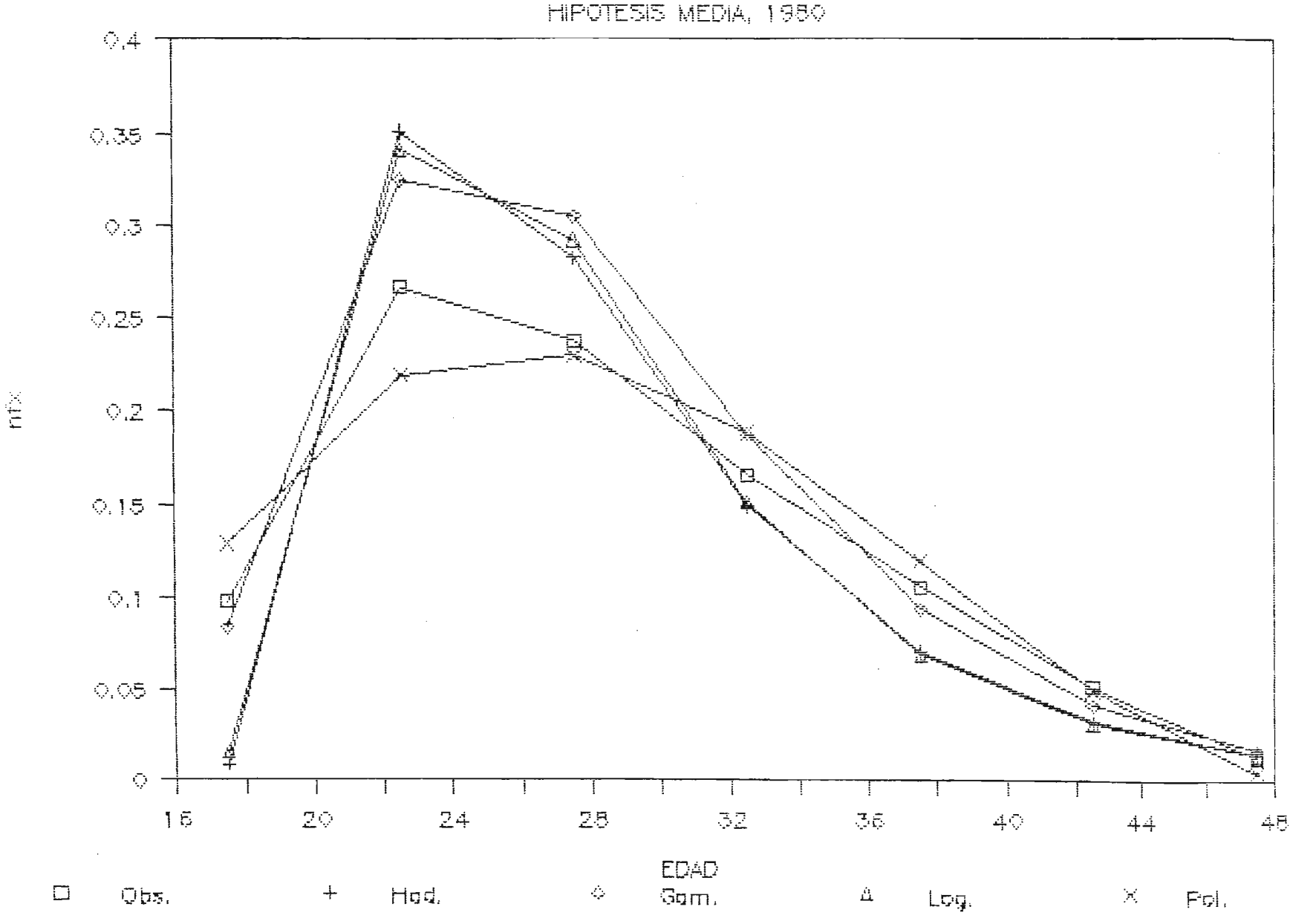
Gráfica 11

AJUSTE DE FUNCIONES DE FECUNDIDAD



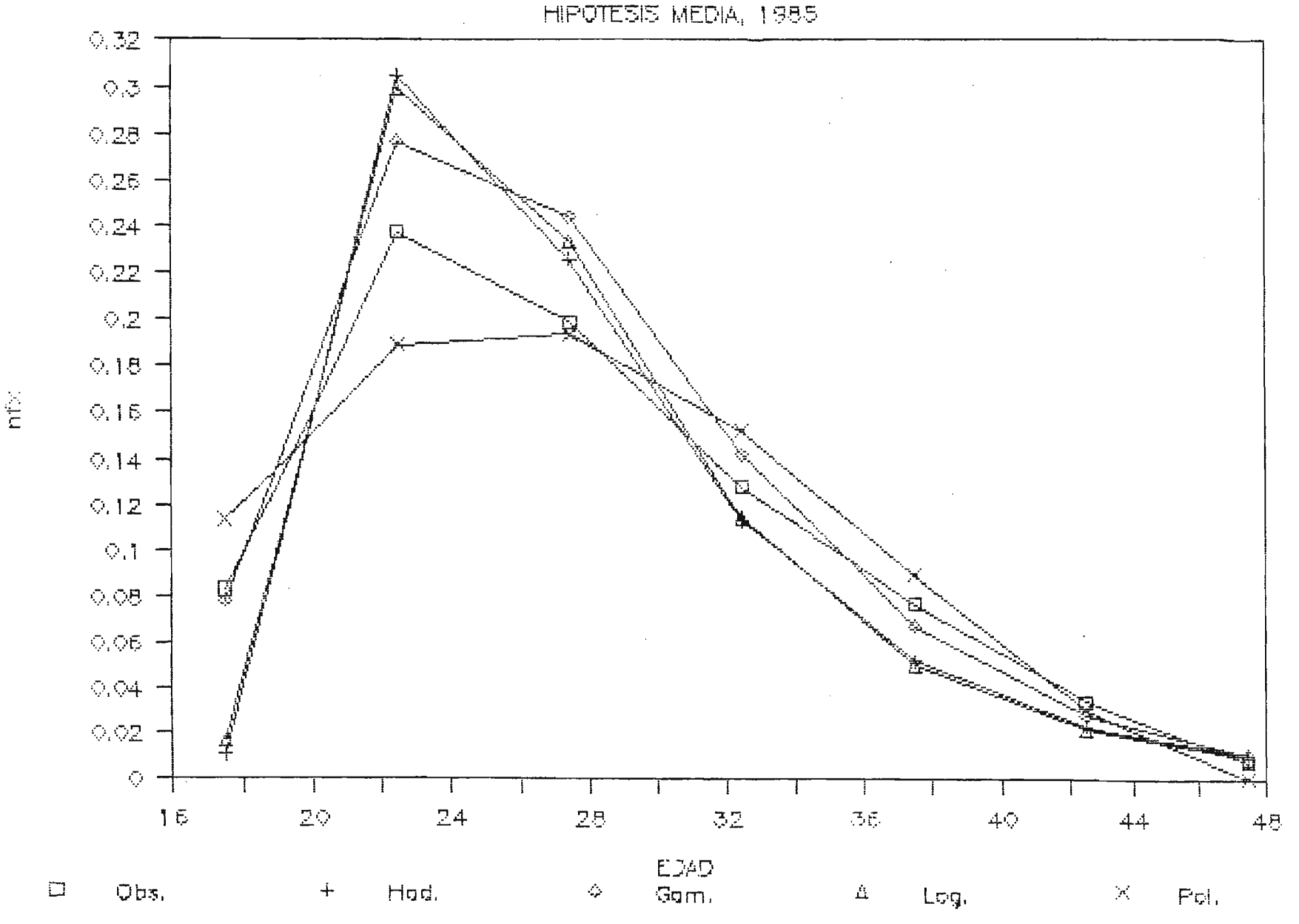
Gráfica 12

AJUSTE DE FUNCIONES DE FECUNDIDAD



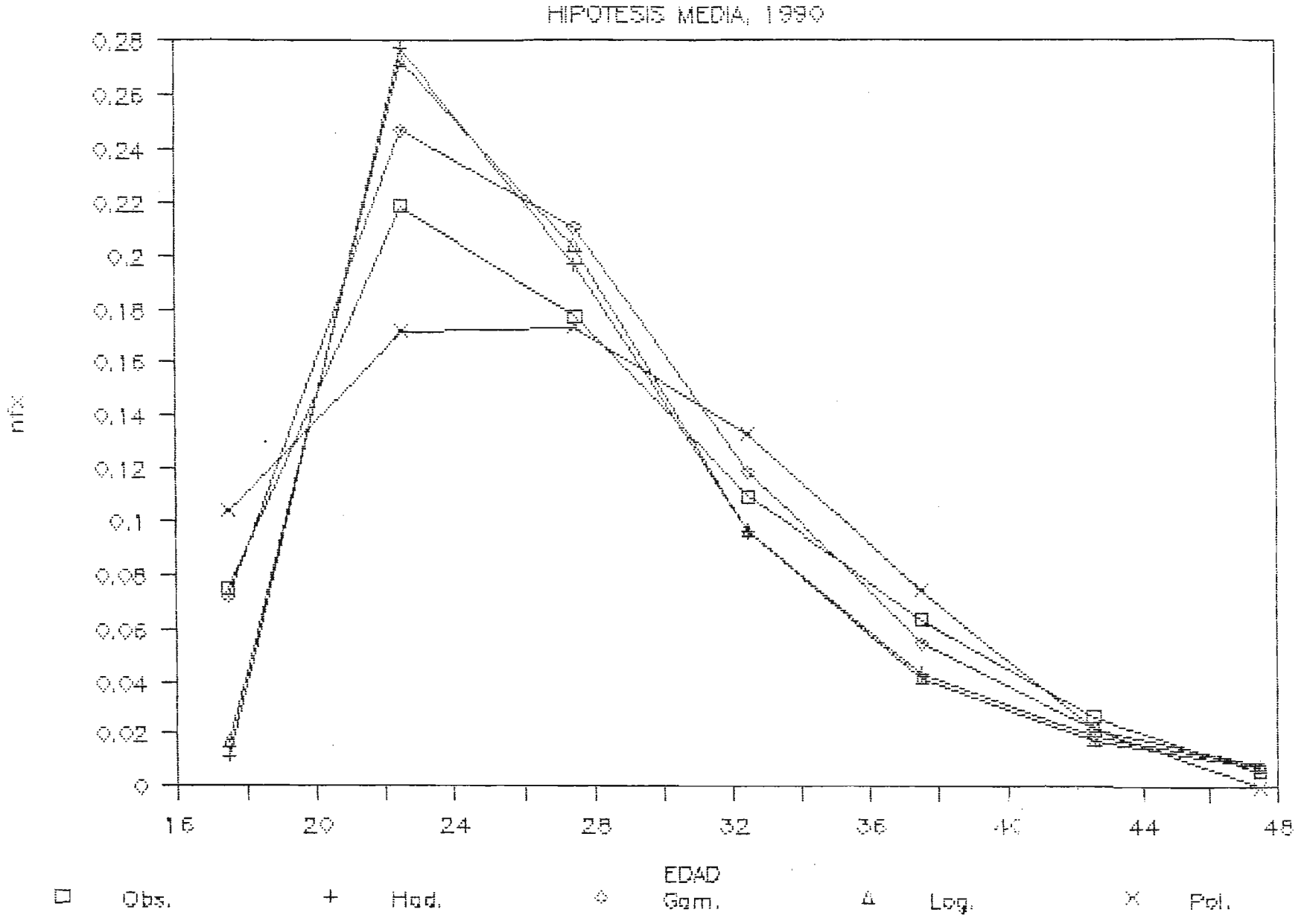
Gráfica 13

AJUSTE DE FUNCIONES DE FECUNDIDAD



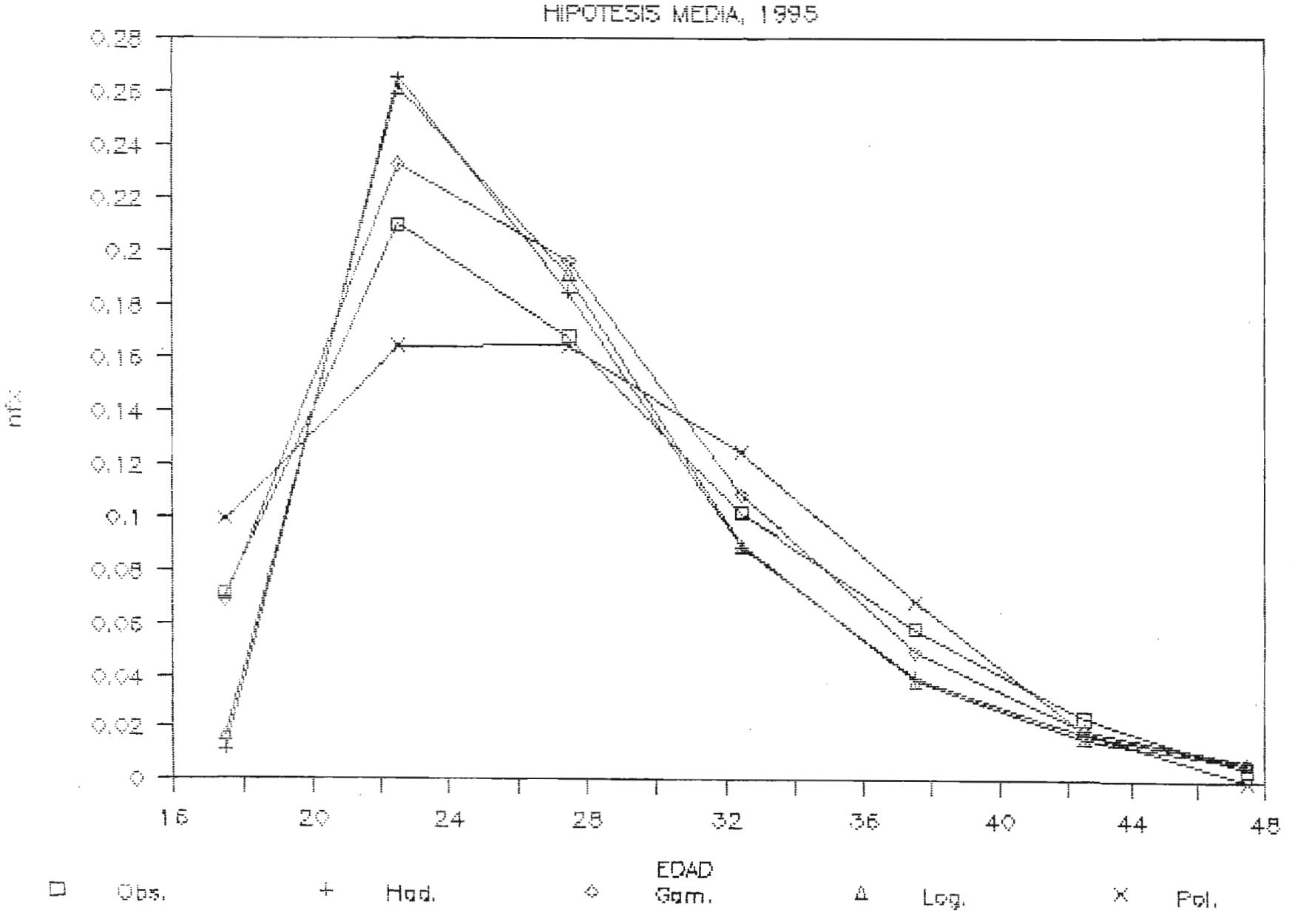
Gráfica 14

AJUSTE DE FUNCIONES DE FECUNDIDAD



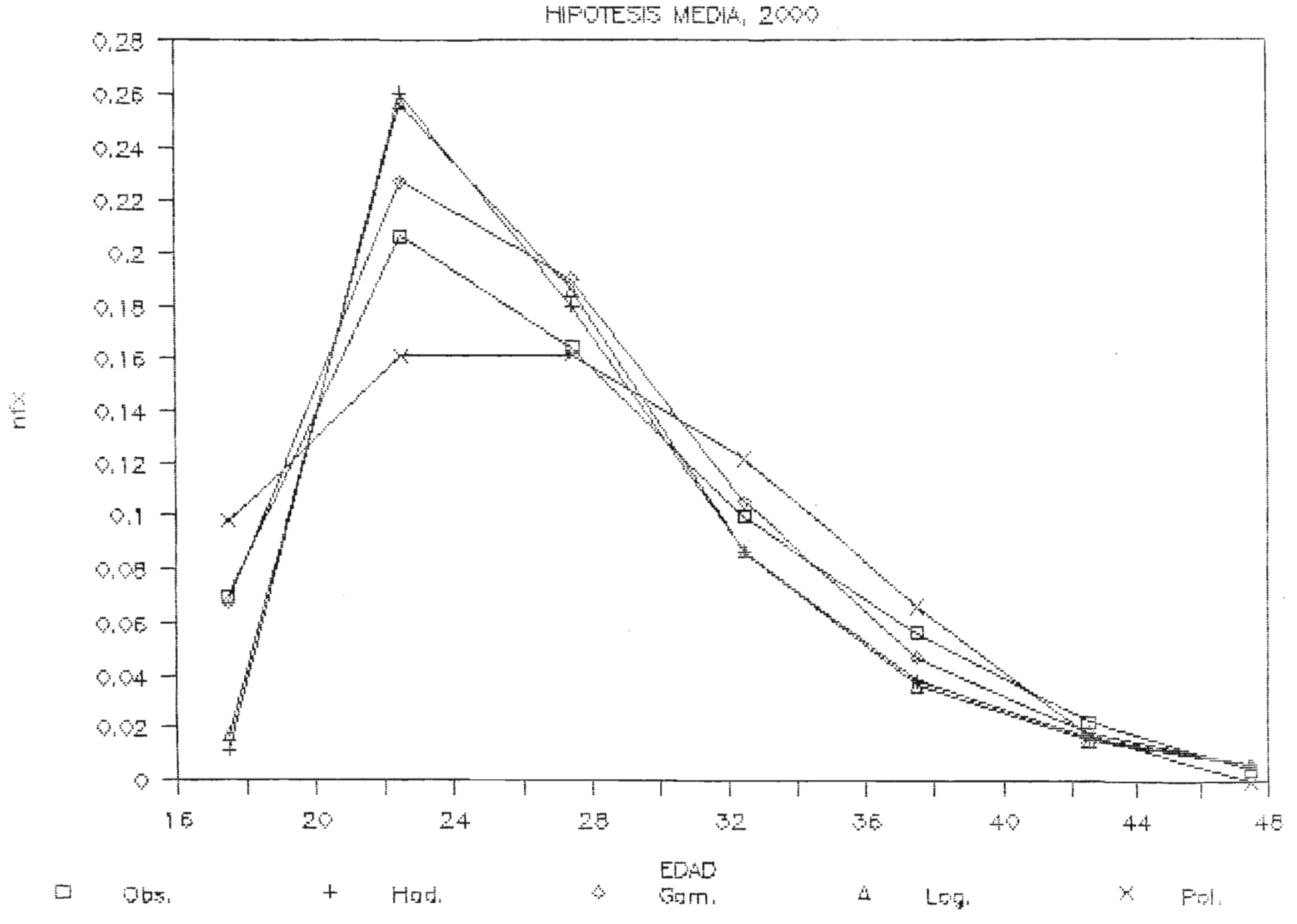
Gráfica 15

AJUSTE DE FUNCIONES DE FECUNDIDAD



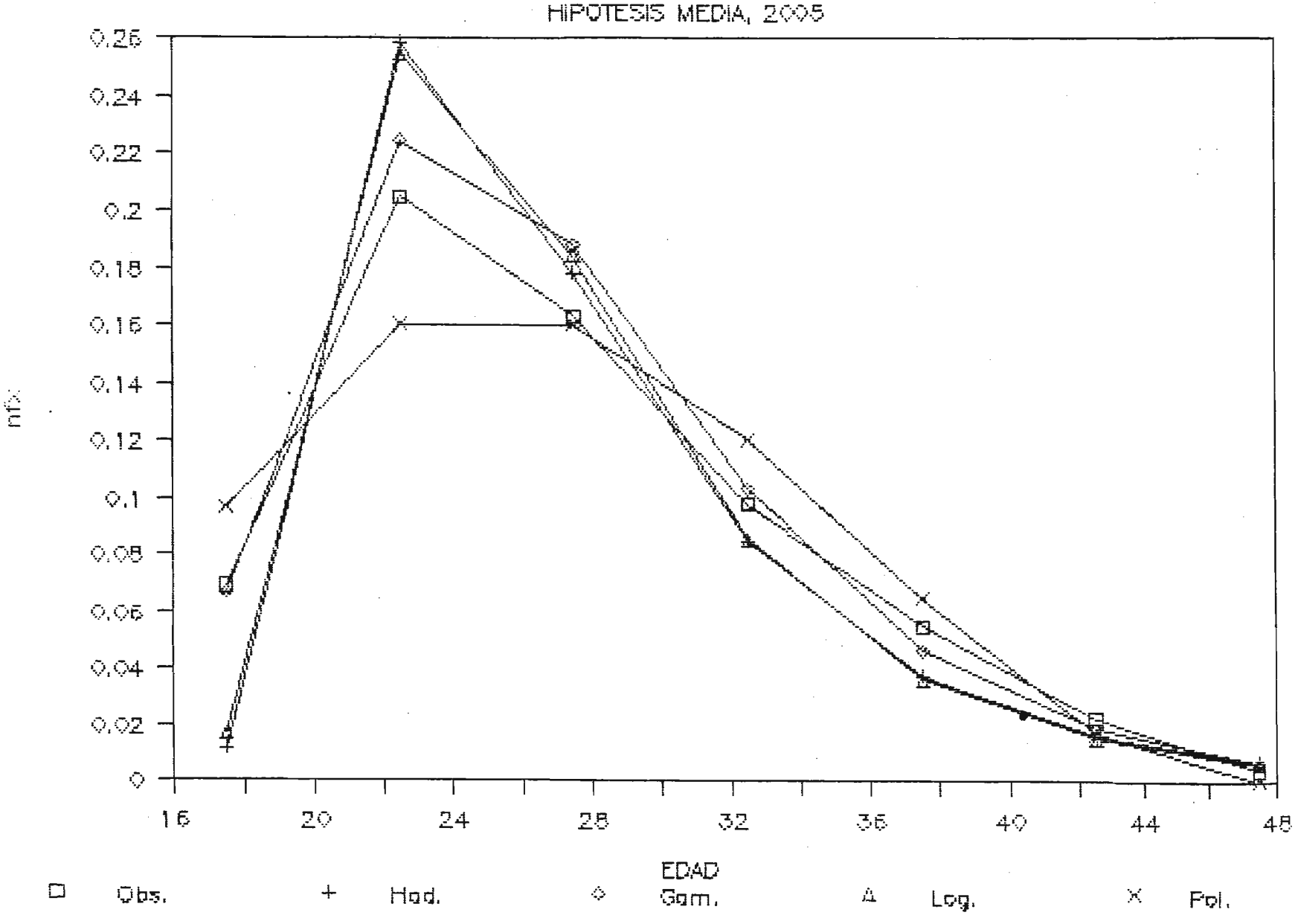
Gráfica 16

AJUSTE DE FUNCIONES DE FECUNDIDAD



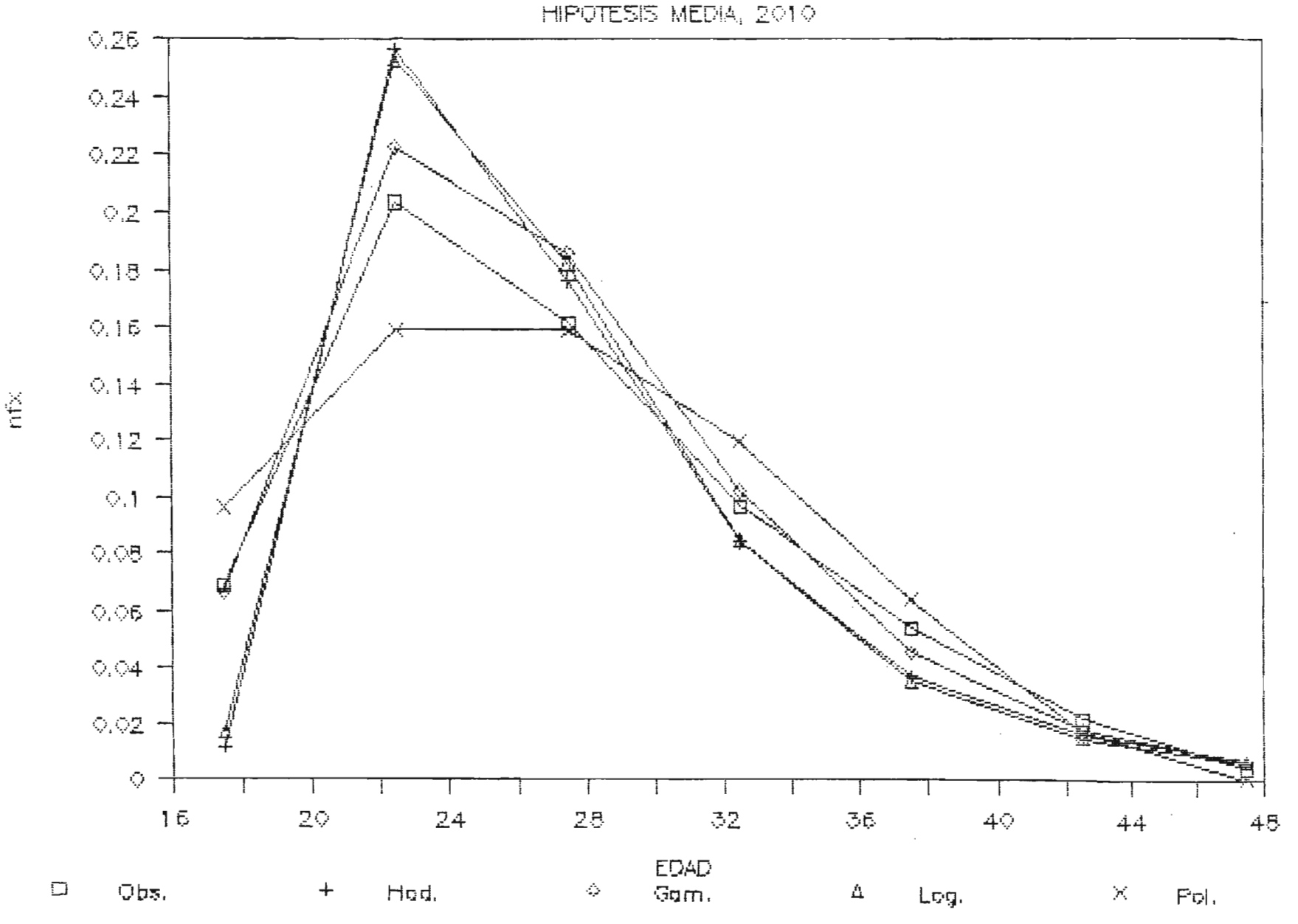
Gráfica 17

AJUSTE DE FUNCIONES DE FECUNDIDAD



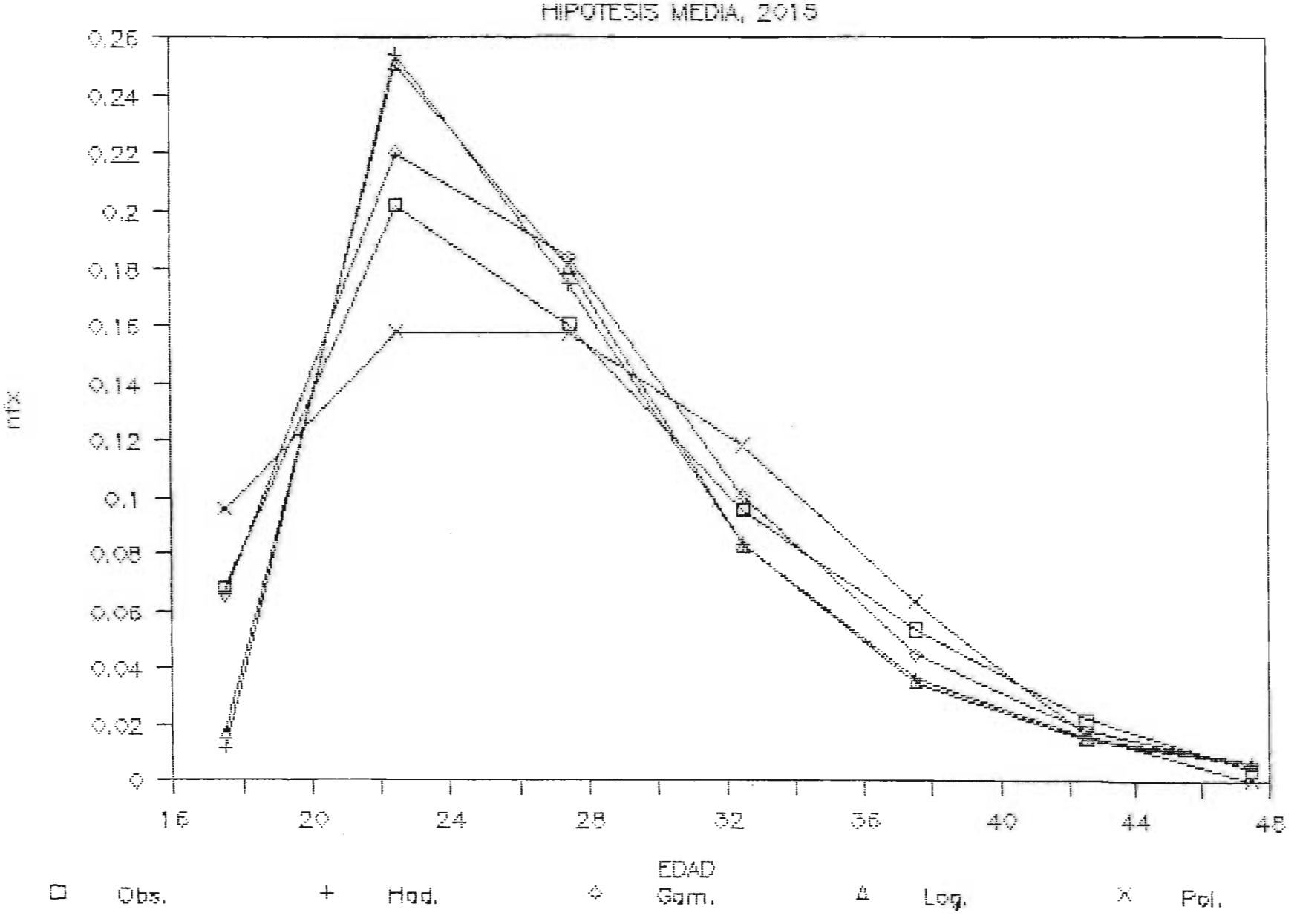
Gráfica 18

AJUSTE DE FUNCIONES DE FECUNDIDAD



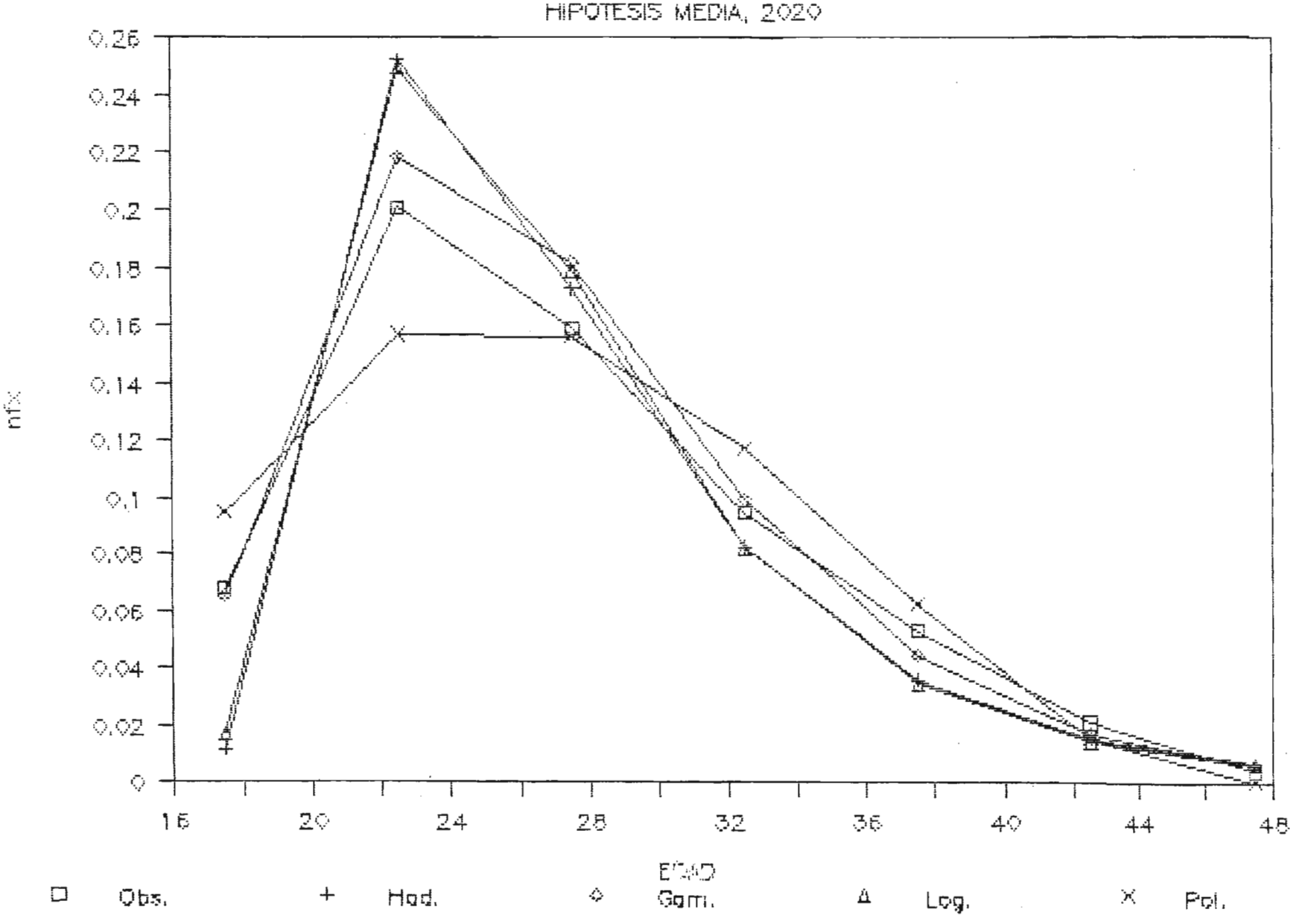
Gráfica 19

AJUSTE DE FUNCIONES DE FECUNDIDAD



Gráfica 20

AJUSTE DE FUNCIONES DE FECUNDIDAD



Cuadro 21

COMPARACION DE TASAS ANUALES DE FECUNDIDAD OBSERVADAS Y ESTIMADAS

Hipótesis Baja

Grupos de Edades	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020
TASAS OBSERVADAS										
15-19	0.1025	0.0966	0.0788	0.0671	0.0612	0.0585	0.0575	0.0570	0.0569	0.0568
20-24	0.2918	0.2645	0.2275	0.1993	0.1841	0.1771	0.1742	0.1731	0.1726	0.1724
25-29	0.2873	0.2355	0.1874	0.1576	0.1427	0.1362	0.1336	0.1325	0.1321	0.1319
30-34	0.2492	0.1634	0.1183	0.0938	0.0825	0.0778	0.0759	0.0752	0.0749	0.0747
35-39	0.1743	0.1036	0.0697	0.0524	0.0449	0.0418	0.0405	0.0400	0.0398	0.0397
40-44	0.0807	0.0503	0.0306	0.0212	0.0172	0.0156	0.0150	0.0148	0.0147	0.0146
45-49	0.0165	0.0132	0.0069	0.0040	0.0029	0.0025	0.0023	0.0022	0.0022	0.0022
TASAS ESTIMADAS										
Hadwiger										
15-19	0.0025	0.0089	0.0112	0.0116	0.0115	0.0113	0.0112	0.0111	0.0112	0.0112
20-24	0.3825	0.3481	0.2909	0.2509	0.2301	0.2208	0.2170	0.2155	0.2149	0.2146
25-29	0.3903	0.2786	0.2099	0.1710	0.1526	0.1447	0.1415	0.1403	0.1398	0.1395
30-34	0.2234	0.1466	0.1040	0.0814	0.0711	0.0669	0.0651	0.0645	0.0642	0.0640
35-39	0.1098	0.0698	0.0474	0.0358	0.0307	0.0286	0.0278	0.0274	0.0273	0.0272
40-44	0.0513	0.0324	0.0211	0.0155	0.0130	0.0121	0.0117	0.0115	0.0114	0.0114
45-49	0.0235	0.0149	0.0094	0.0067	0.0055	0.0051	0.0049	0.0048	0.0048	0.0048
Gamma										
15-19	0.0504	0.0839	0.0753	0.0645	0.0582	0.0552	0.0540	0.0533	0.0533	0.0532
20-24	0.3046	0.3219	0.2612	0.2163	0.1933	0.1830	0.1788	0.1770	0.1765	0.1761
25-29	0.3384	0.3006	0.2261	0.1791	0.1567	0.1470	0.1430	0.1414	0.1409	0.1405
30-34	0.2275	0.1846	0.1297	0.0980	0.0835	0.0775	0.0750	0.0740	0.0737	0.0735
35-39	0.1197	0.0924	0.0608	0.0438	0.0363	0.0333	0.0320	0.0315	0.0314	0.0313
40-44	0.0544	0.0409	0.0253	0.0173	0.0140	0.0127	0.0121	0.0119	0.0118	0.0118
45-49	0.0225	0.0167	0.0097	0.0063	0.0050	0.0044	0.0042	0.0041	0.0041	0.0041

Cuadro 21
(Continuación)

COMPARACION DE TASAS ANUALES DE FECUNDIDAD OBSERVADAS Y ESTIMADAS

Hipótesis Baja

Grupos de Edades	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020
TASAS OBSERVADAS										
15-19	0.1025	0.0966	0.0788	0.0671	0.0612	0.0585	0.0575	0.0570	0.0569	0.0568
20-24	0.2918	0.2645	0.2275	0.1993	0.1841	0.1771	0.1742	0.1731	0.1726	0.1724
25-29	0.2873	0.2355	0.1874	0.1576	0.1427	0.1362	0.1336	0.1325	0.1321	0.1319
30-34	0.2492	0.1634	0.1183	0.0938	0.0825	0.0778	0.0759	0.0752	0.0749	0.0747
35-39	0.1743	0.1036	0.0697	0.0524	0.0449	0.0418	0.0405	0.0400	0.0398	0.0397
40-44	0.0807	0.0503	0.0306	0.0212	0.0172	0.0156	0.0150	0.0148	0.0147	0.0146
45-49	0.0165	0.0132	0.0069	0.0040	0.0029	0.0025	0.0023	0.0022	0.0022	0.0022
TASAS ESTIMADAS										
Lognormal										
15-19	0.0064	0.0155	0.0173	0.0169	0.0163	0.0159	0.0158	0.0156	0.0157	0.0156
20-24	0.3671	0.3387	0.2857	0.2478	0.2278	0.2188	0.2152	0.2137	0.2131	0.2128
25-29	0.4005	0.2879	0.2172	0.1768	0.1577	0.1495	0.1462	0.1449	0.1444	0.1441
30-34	0.2278	0.1488	0.1049	0.0817	0.0712	0.0668	0.0650	0.0644	0.0641	0.0639
35-39	0.1083	0.0682	0.0459	0.0345	0.0295	0.0275	0.0266	0.0263	0.0262	0.0261
40-44	0.0491	0.0307	0.0199	0.0146	0.0123	0.0113	0.0109	0.0108	0.0107	0.0107
45-49	0.0222	0.0140	0.0088	0.0063	0.0052	0.0048	0.0046	0.0046	0.0045	0.0045
Polinomio de Tercer Grado										
15-19	0.1290	0.1279	0.1085	0.0942	0.0867	0.0832	0.0818	0.0812	0.0810	0.0809
20-24	0.2646	0.2173	0.1798	0.1556	0.1433	0.1377	0.1355	0.1346	0.1343	0.1341
25-29	0.2958	0.2280	0.1828	0.1551	0.1413	0.1353	0.1328	0.1319	0.1314	0.1312
30-34	0.2543	0.1861	0.1420	0.1160	0.1035	0.0981	0.0959	0.0951	0.0947	0.0945
35-39	0.1725	0.1175	0.0817	0.0617	0.0526	0.0488	0.0472	0.0466	0.0464	0.0462
40-44	0.0822	0.0483	0.0262	0.0155	0.0112	0.0095	0.0088	0.0086	0.0085	0.0084
45-49	0.0155	0.0046	0.0001	0.0007	0.0020	0.0027	0.0031	0.0033	0.0033	0.0034

Fuente: Cuadros 2, 5, 8, 11, 14.

Cuadro 22

COMPARACION DE TASAS ANUALES DE FECUNDIDAD OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Baja

1 9 7 5

Grupos de Edades	Observadas	Hadwiger	% error	Gamma	% error	Lognormal	% error	Polinomio de Tercer Grado	% error
15-19	0.1025	0.0025	0.1000	0.0504	0.0521	0.0064	0.0961	0.1290	-0.0265
20-24	0.2918	0.3825	-0.0907	0.3046	-0.0128	0.3671	-0.0753	0.2646	0.0272
25-29	0.2873	0.3903	-0.1030	0.3384	-0.0511	0.4005	-0.1132	0.2958	-0.0085
30-34	0.2492	0.2234	0.0258	0.2275	0.0217	0.2278	0.0214	0.2543	-0.0051
35-39	0.1743	0.1098	0.0645	0.1197	0.0546	0.1083	0.0660	0.1725	0.0018
40-44	0.0807	0.0513	0.0294	0.0544	0.0263	0.0491	0.0316	0.0822	-0.0015
45-49	0.0165	0.0235	-0.0070	0.0225	-0.0060	0.0222	-0.0057	0.0155	0.0010
ERROR MEDIO ABSOLUTO (%)			34.9674		18.6775		34.0480		5.9484

1 9 8 0

Grupos de Edades	Observadas	Hadwiger	% error	Gamma	% error	Lognormal	% error	Polinomio de Tercer Grado	% error
15-19	0.0966	0.0089	0.0877	0.0839	0.0127	0.0155	0.0811	0.1279	-0.0313
20-24	0.2645	0.3481	-0.0836	0.3219	-0.0574	0.3387	-0.0742	0.2173	0.0472
25-29	0.2355	0.2786	-0.0431	0.3006	-0.0651	0.2879	-0.0524	0.2280	0.0075
30-34	0.1634	0.1466	0.0168	0.1846	-0.0212	0.1488	0.0146	0.1861	-0.0227
35-39	0.1036	0.0698	0.0338	0.0924	0.0112	0.0682	0.0354	0.1175	-0.0139
40-44	0.0503	0.0324	0.0179	0.0409	0.0094	0.0307	0.0196	0.0483	0.0020
45-49	0.0132	0.0149	-0.0017	0.0167	-0.0035	0.0140	-0.0008	0.0046	0.0086
ERROR MEDIO ABSOLUTO (%)			30.6938		19.4702		30.0039		14.3632

Cuadro 22
(Continuación)

COMPARACION DE TASAS ANUALES DE FECUNDIDAD OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Baja

1 9 8 5

Grupos de Edades	Observadas	Hadwiger	% error	Gamma	% error	Lognormal	% error	Polinomio de Tercer Grado	% error
15-19	0.0788	0.0112	0.0676	0.0753	0.0035	0.0173	0.0615	0.1085	-0.0297
20-24	0.2275	0.2909	-0.0634	0.2612	-0.0337	0.2857	-0.0582	0.1798	0.0477
25-29	0.1874	0.2099	-0.0225	0.2261	-0.0387	0.2172	-0.0298	0.1828	0.0046
30-34	0.1183	0.1040	0.0143	0.1297	-0.0114	0.1049	0.0134	0.1420	-0.0237
35-39	0.0697	0.0474	0.0223	0.0608	0.0089	0.0459	0.0238	0.0817	-0.0120
40-44	0.0306	0.0211	0.0095	0.0253	0.0053	0.0199	0.0107	0.0262	0.0044
45-49	0.0069	0.0094	-0.0025	0.0097	-0.0028	0.0088	-0.0019	0.0001	0.0068
ERROR MEDIO ABSOLUTO (%)			28.0874		14.5023		27.7138		17.9049

1 9 9 0

Grupos de Edades	Observadas	Hadwiger	% error	Gamma	% error	Lognormal	% error	Polinomio de Tercer Grado	% error
15-19	0.0671	0.0116	0.0555	0.0645	0.0026	0.0169	0.0502	0.0942	-0.0271
20-24	0.1993	0.2509	-0.0516	0.2163	-0.0170	0.2478	-0.0485	0.1556	0.0437
25-29	0.1576	0.1710	-0.0134	0.1791	-0.0215	0.1768	-0.0192	0.1551	0.0025
30-34	0.0938	0.0814	0.0124	0.0980	-0.0042	0.0817	0.0121	0.1160	-0.0222
35-39	0.0524	0.0358	0.0166	0.0438	0.0086	0.0345	0.0179	0.0617	-0.0093
40-44	0.0212	0.0155	0.0057	0.0173	0.0039	0.0146	0.0066	0.0155	0.0057
45-49	0.0040	0.0067	-0.0027	0.0063	-0.0023	0.0063	-0.0023	0.0007	0.0033
ERROR MEDIO ABSOLUTO (%)			26.5076		10.1066		26.3406		19.1184

Cuadro 22
(Continuación)

COMPARACION DE TASAS ANUALES DE FECUNDIDAD OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Baja

1 9 9 5

Grupos de Edades	Observadas	Hadwiger	% error	Gamma	% error	Lognormal	% error	Polinomio de Tercer Grado	% error
15-19	0.0612	0.0115	0.0497	0.0582	0.0030	0.0163	0.0449	0.0867	-0.0255
20-24	0.1841	0.2301	-0.0460	0.1933	-0.0092	0.2278	-0.0437	0.1433	0.0408
25-29	0.1427	0.1526	-0.0099	0.1567	-0.0140	0.1577	-0.0150	0.1413	0.0014
30-34	0.0825	0.0711	0.0114	0.0835	-0.0010	0.0712	0.0113	0.1035	-0.0210
35-39	0.0449	0.0307	0.0142	0.0363	0.0086	0.0295	0.0154	0.0526	-0.0077
40-44	0.0172	0.0130	0.0042	0.0140	0.0032	0.0123	0.0049	0.0112	0.0060
45-49	0.0029	0.0055	-0.0026	0.0050	-0.0021	0.0052	-0.0023	0.0020	0.0009
ERROR MEDIO ABSOLUTO (%)			25.7607		7.6683		25.6939		19.2920

2 0 0 0

Grupos de Edades	Observadas	Hadwiger	% error	Gamma	% error	Lognormal	% error	Polinomio de Tercer Grado	% error
15-19	0.0585	0.0113	0.0472	0.0552	0.0033	0.0159	0.0426	0.0832	-0.0247
20-24	0.1771	0.2208	-0.0437	0.1830	-0.0059	0.2188	-0.0417	0.1377	0.0394
25-29	0.1362	0.1447	-0.0085	0.1470	-0.0108	0.1495	-0.0133	0.1353	0.0009
30-34	0.0778	0.0669	0.0109	0.0775	0.0003	0.0668	0.0110	0.0981	-0.0203
35-39	0.0418	0.0286	0.0132	0.0333	0.0085	0.0275	0.0143	0.0488	-0.0070
40-44	0.0156	0.0121	0.0035	0.0127	0.0029	0.0113	0.0043	0.0095	0.0061
45-49	0.0025	0.0051	-0.0026	0.0044	-0.0019	0.0048	-0.0023	0.0027	-0.0002
ERROR MEDIO ABSOLUTO (%)			25.4402		6.6066		25.4144		19.3620

Cuadro 22
(Continuación)

COMPARACION DE TASAS ANUALES DE FECUNDIDAD OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Baja

2 0 0 5

Grupos de Edades	Observadas	Hadwiger	% error	Gamma	% error	Lognormal	% error	Polinomio de Tercer Grado	% error
15-19	0.0575	0.0112	0.0463	0.0540	0.0035	0.0158	0.0417	0.0818	-0.0243
20-24	0.1742	0.2170	-0.0428	0.1788	-0.0046	0.2152	-0.0410	0.1355	0.0387
25-29	0.1336	0.1415	-0.0079	0.1430	-0.0094	0.1462	-0.0126	0.1328	0.0008
30-34	0.0759	0.0651	0.0108	0.0750	0.0009	0.0650	0.0109	0.0959	-0.0200
35-39	0.0405	0.0278	0.0127	0.0320	0.0085	0.0266	0.0139	0.0472	-0.0067
40-44	0.0150	0.0117	0.0033	0.0121	0.0029	0.0109	0.0041	0.0088	0.0062
45-49	0.0023	0.0049	-0.0026	0.0042	-0.0019	0.0046	-0.0023	0.0031	-0.0008
ERROR MEDIO ABSOLUTO (%)			25.3453		6.3563		25.3382		19.5389

2 0 1 0

Grupos de Edades	Observadas	Hadwiger	% error	Gamma	% error	Lognormal	% error	Polinomio de Tercer Grado	% error
15-19	0.0570	0.0111	0.0459	0.0533	0.0037	0.0156	0.0414	0.0812	-0.0242
20-24	0.1731	0.2155	-0.0424	0.1770	-0.0039	0.2137	-0.0406	0.1346	0.0385
25-29	0.1325	0.1403	-0.0078	0.1414	-0.0089	0.1449	-0.0124	0.1319	0.0006
30-34	0.0752	0.0645	0.0107	0.0740	0.0012	0.0644	0.0108	0.0951	-0.0199
35-39	0.0400	0.0274	0.0126	0.0315	0.0085	0.0263	0.0137	0.0466	-0.0066
40-44	0.0148	0.0115	0.0033	0.0119	0.0029	0.0108	0.0040	0.0086	0.0062
45-49	0.0022	0.0048	-0.0026	0.0041	-0.0019	0.0046	-0.0024	0.0033	-0.0011
ERROR MEDIO ABSOLUTO (%)			25.3187		6.2434		25.3179		19.6219

Cuadro 22
(Continuación)

COMPARACION DE TASAS ANUALES DE FECUNDIDAD OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Baja

2 0 1 5

Grupos de Edades	Observadas	Hadwiger	% error	Gamma	% error	Lognormal	% error	Polinomio de Tercer Grado	% error
15-19	0.0569	0.0112	0.0457	0.0533	0.0036	0.0157	0.0412	0.0810	-0.0241
20-24	0.1726	0.2149	-0.0423	0.1765	-0.0039	0.2131	-0.0405	0.1343	0.0383
25-29	0.1321	0.1398	-0.0077	0.1409	-0.0088	0.1444	-0.0123	0.1314	0.0007
30-34	0.0749	0.0642	0.0107	0.0737	0.0012	0.0641	0.0108	0.0947	-0.0198
35-39	0.0398	0.0273	0.0125	0.0314	0.0084	0.0262	0.0136	0.0464	-0.0066
40-44	0.0147	0.0114	0.0033	0.0118	0.0029	0.0107	0.0040	0.0085	0.0062
45-49	0.0022	0.0048	-0.0026	0.0041	-0.0019	0.0045	-0.0023	0.0033	-0.0011
ERROR MEDIO ABSOLUTO (%)			25.2959		6.2232		25.2978		19.6345

2 0 2 0

Grupos de Edades	Observadas	Hadwiger	% error	Gamma	% error	Lognormal	% error	Polinomio de Tercer Grado	% error
15-19	0.0568	0.0112	0.0456	0.0532	0.0036	0.0156	0.0412	0.0809	-0.0241
20-24	0.1724	0.2146	-0.0422	0.1761	-0.0037	0.2128	-0.0404	0.1341	0.0383
25-29	0.1319	0.1395	-0.0076	0.1405	-0.0086	0.1441	-0.0122	0.1312	0.0007
30-34	0.0747	0.0640	0.0107	0.0735	0.0012	0.0639	0.0108	0.0945	-0.0198
35-39	0.0397	0.0272	0.0125	0.0313	0.0084	0.0261	0.0136	0.0462	-0.0065
40-44	0.0146	0.0114	0.0032	0.0118	0.0028	0.0107	0.0039	0.0084	0.0062
45-49	0.0022	0.0048	-0.0026	0.0041	-0.0019	0.0045	-0.0023	0.0034	-0.0012
ERROR MEDIO ABSOLUTO (%)			25.2587		6.1636		25.2628		19.6569

Fuente : Cuadros 21.

Cuadro 23

COMPARACION DE DESCENDENCIA PROMEDIO, EDAD MEDIA A LA MATERNIDAD Y TASA BRUTA DE REPRODUCCION

1975 - 2020

Hipótesis Baja

	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020
DESCENDENCIA PROMEDIO (D)										
Observada	6.0115	4.6355	3.5960	2.9770	2.6775	2.5475	2.4950	2.4740	2.4660	2.4615
Hadwiger	5.9166	4.4967	3.4701	2.8647	2.5731	2.4470	2.3959	2.3757	2.3678	2.3634
$\lvert D - \hat{D} \rvert$	0.0949	0.1388	0.1259	0.1123	0.1044	0.1005	0.0991	0.0983	0.0982	0.0981
Gamma	5.5883	5.2056	3.9413	3.1265	2.7349	2.5649	2.4962	2.4662	2.4588	2.4522
$\lvert D - \hat{D} \rvert$	0.4232	0.5701	0.3453	0.1495	0.0574	0.0174	0.0012	0.0078	0.0072	0.0093
Lognormal	5.9073	4.5189	3.4981	2.8925	2.5998	2.4730	2.4217	2.4014	2.3935	2.3891
$\lvert \tilde{D} - \hat{D} \rvert$	0.1042	0.1166	0.0979	0.0845	0.0777	0.0745	0.0733	0.0726	0.0725	0.0724
Polinomio	6.0689	4.6487	3.6056	2.9948	2.7027	2.5766	2.5261	2.5060	2.4981	2.4938
$\lvert D - \hat{D} \rvert$	0.0574	0.0132	0.0096	0.0178	0.0252	0.0291	0.0311	0.0320	0.0321	0.0323
EDAD MEDIA A LA MATERINAD (y)										
Observada	29.2013	28.1288	27.4444	27.0356	26.8371	26.7552	26.7174	26.7047	26.6991	26.6946
Hadwiger	28.7817	27.9292	27.4030	27.0832	26.9256	26.8602	26.8300	26.8199	26.8153	26.8117
$\lvert \bar{y} - \hat{\bar{y}} \rvert$	0.4196	0.1996	0.0414	0.0476	0.0885	0.1050	0.1126	0.1152	0.1162	0.1171
Gamma	28.9070	27.8338	27.2101	26.8411	26.6619	26.5886	26.5546	26.5438	26.5381	26.5341
$\lvert \bar{y} - \hat{\bar{y}} \rvert$	0.2943	0.2950	0.2343	0.1945	0.1752	0.1666	0.1628	0.1609	0.1610	0.1605
Lognormal	28.7714	27.8512	27.2960	26.9640	26.8019	26.7352	26.7043	26.6942	26.6894	26.6857
$\lvert \bar{y} - \hat{\bar{y}} \rvert$	0.4299	0.2776	0.1484	0.0716	0.0352	0.0200	0.0131	0.0105	0.0097	0.0089
Polinomio	29.0864	28.0985	27.4145	27.0383	26.8845	26.8302	26.8074	26.8005	26.7969	26.7944
$\lvert y - \hat{\bar{y}} \rvert$	0.1149	0.0303	0.0299	0.0027	0.0474	0.0750	0.0900	0.0958	0.0978	0.0998

Cuadro 23

(Continuación)

COMPARACION DE DESCENDENCIA PROMEDIO, EDAD MEDIA A LA MATERNIDAD Y TASA BRUTA DE REPRODUCCION

1975 - 2020

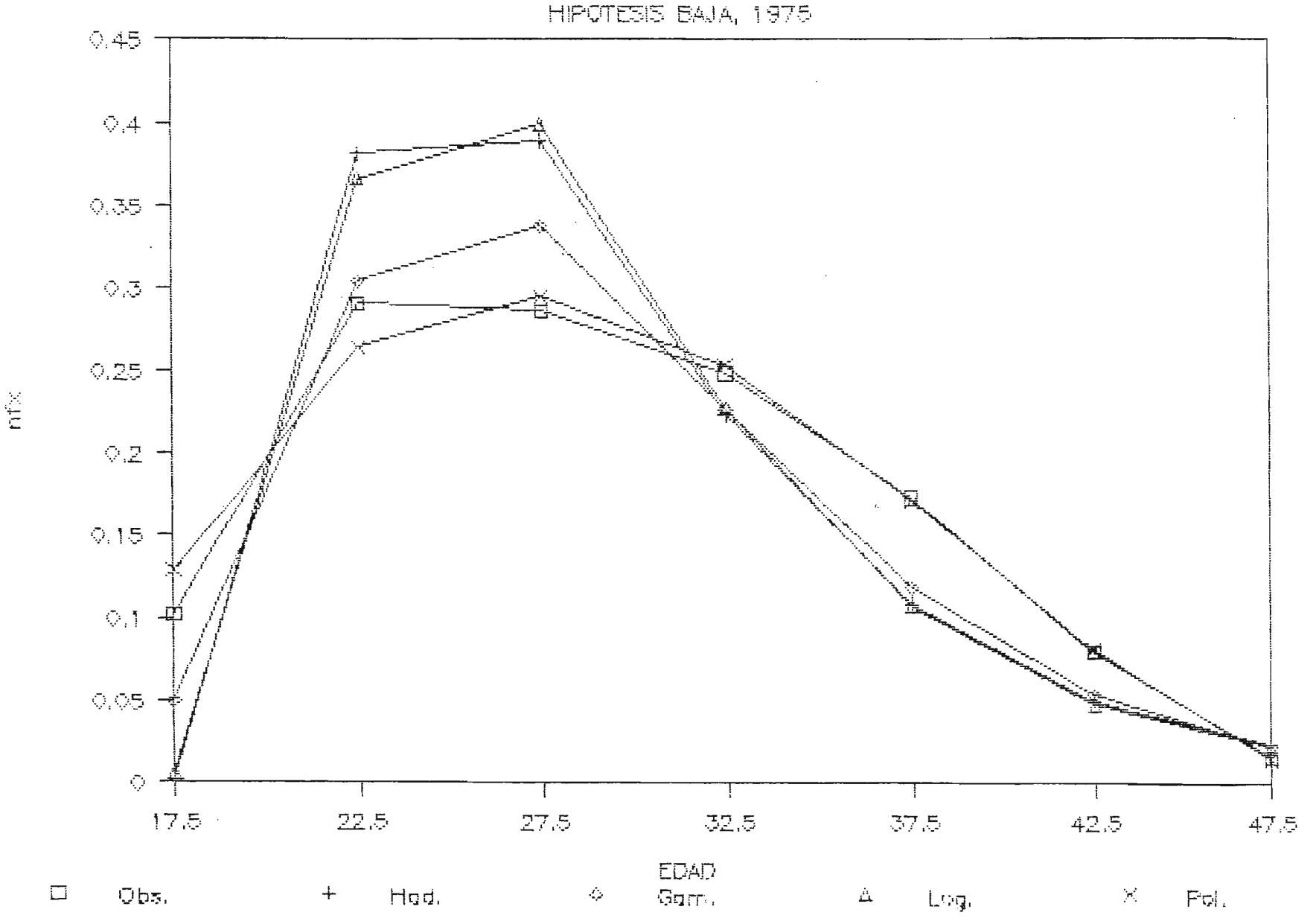
Hipótesis Baja

	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020
					TASA BRUTA DE REPRODUCCION (TBR)					
Observada	2.9324	2.2612	1.7541	1.4522	1.3061	1.2427	1.2171	1.2068	1.2029	1.2007
Hadwiger	2.8861	2.1935	1.6927	1.3974	1.2552	1.1937	1.1687	1.1589	1.1550	1.1529
$\lvert TBR - \widehat{TBR} \rvert$	0.0463	0.0677	0.0614	0.0548	0.0509	0.0490	0.0483	0.0480	0.0479	0.0479
Gamma	2.7260	2.5393	1.9226	1.5251	1.3341	1.2512	1.2177	1.2030	1.1994	1.1962
$\lvert TBR - \widehat{TBR} \rvert$	0.2064	0.2781	0.1684	0.0729	0.0280	0.0085	0.0006	0.0038	0.0035	0.0045
Lognormal	2.8816	2.2043	1.7064	1.4110	1.2682	1.2063	1.1813	1.1714	1.1676	1.1654
$\lvert TBR - \widehat{TBR} \rvert$	0.0508	0.0569	0.0478	0.0412	0.0379	0.0363	0.0358	0.0354	0.0354	0.0353
Polinomio	2.9604	2.2677	1.7588	1.4609	1.3184	1.2569	1.2322	1.2224	1.2186	1.2165
$\lvert TBR - \widehat{TBR} \rvert$	0.0280	0.0064	0.0047	0.0087	0.0123	0.0142	0.0152	0.0156	0.0157	0.0158

Fuente : Cuadros 2, 5, 8, 11 y 14.

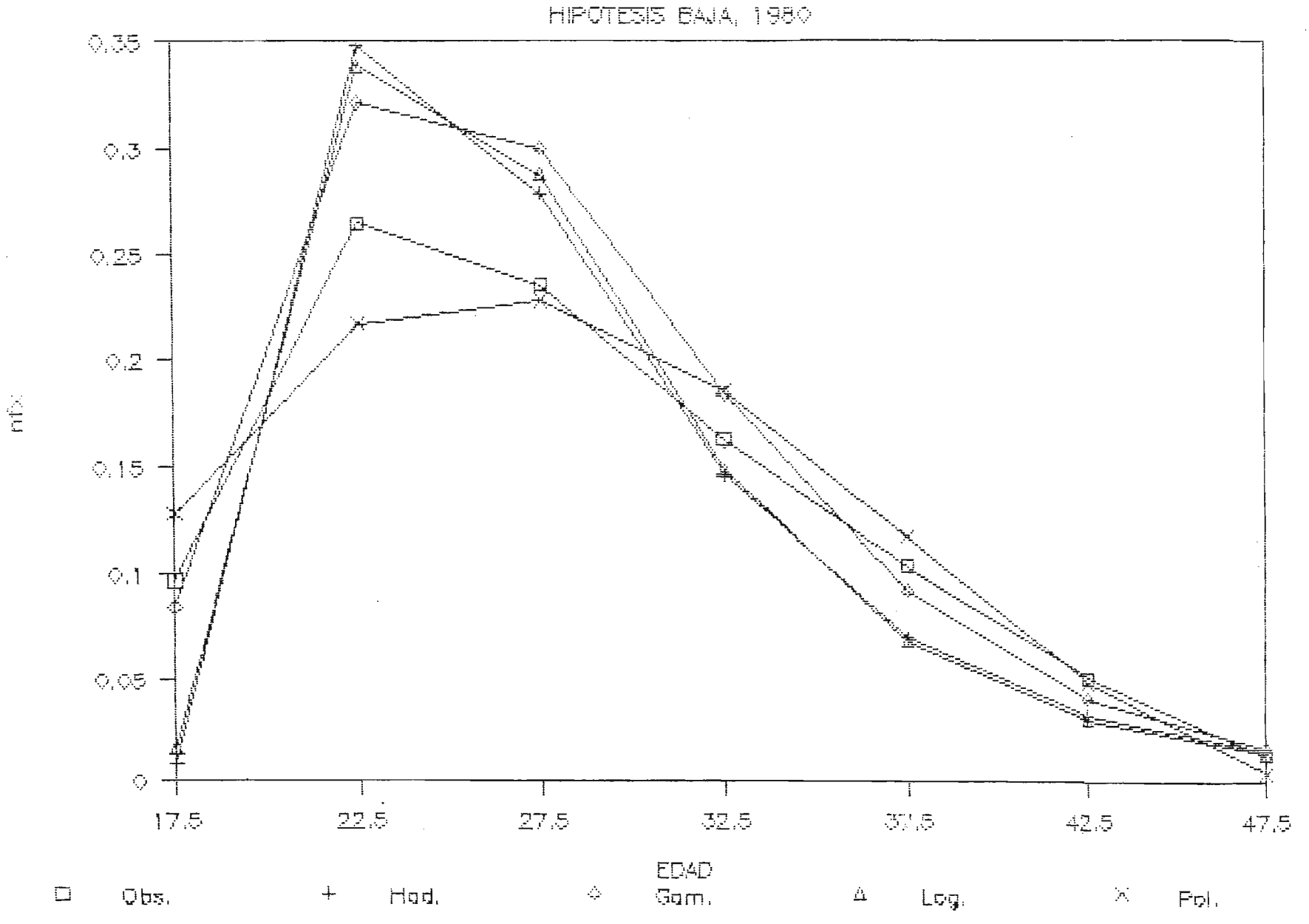
Gráfica 21

AJUSTE DE FUNCIONES DE FECUNDIDAD



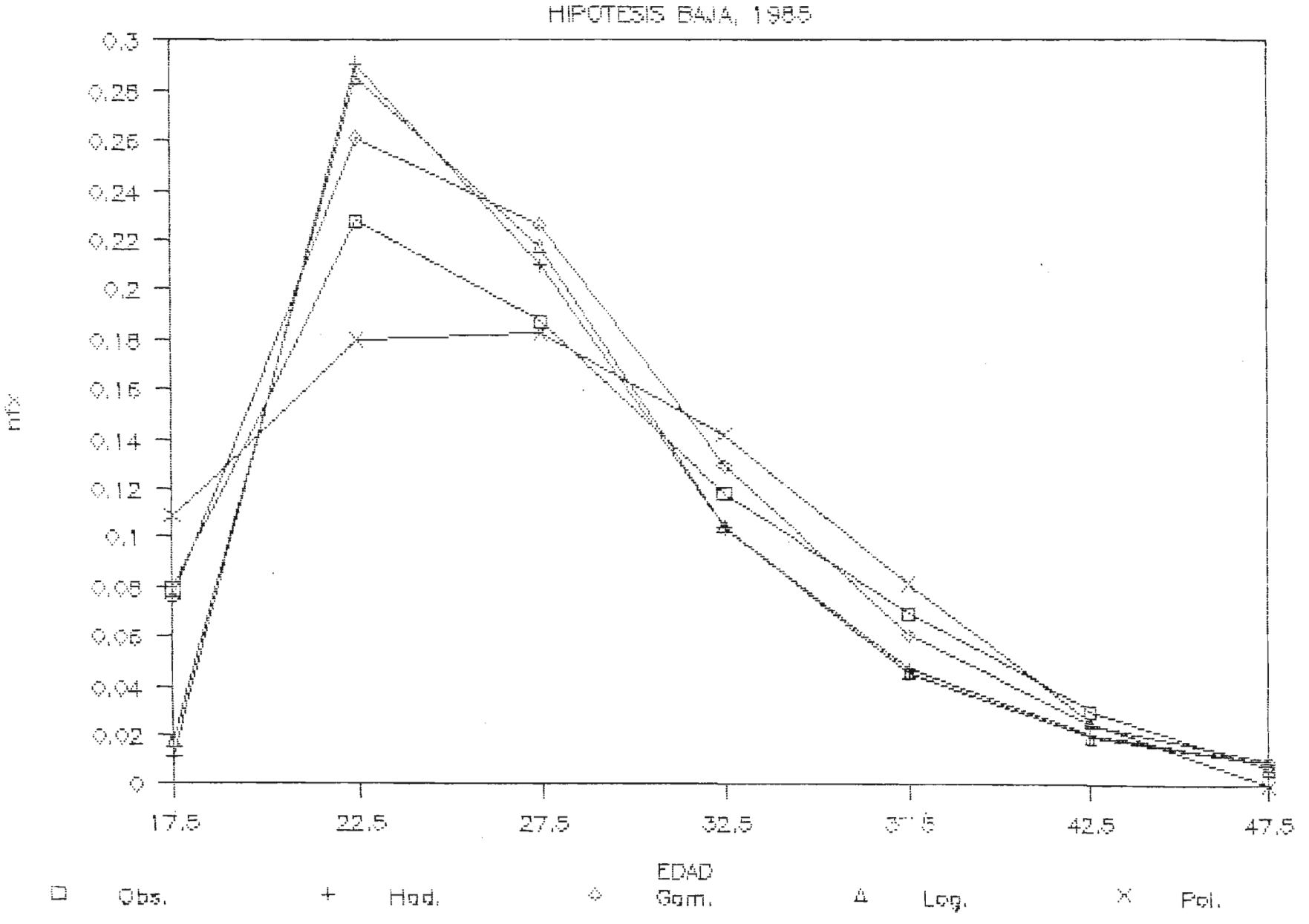
Gráfica 22

AJUSTE DE FUNCIONES DE FECUNDIDAD



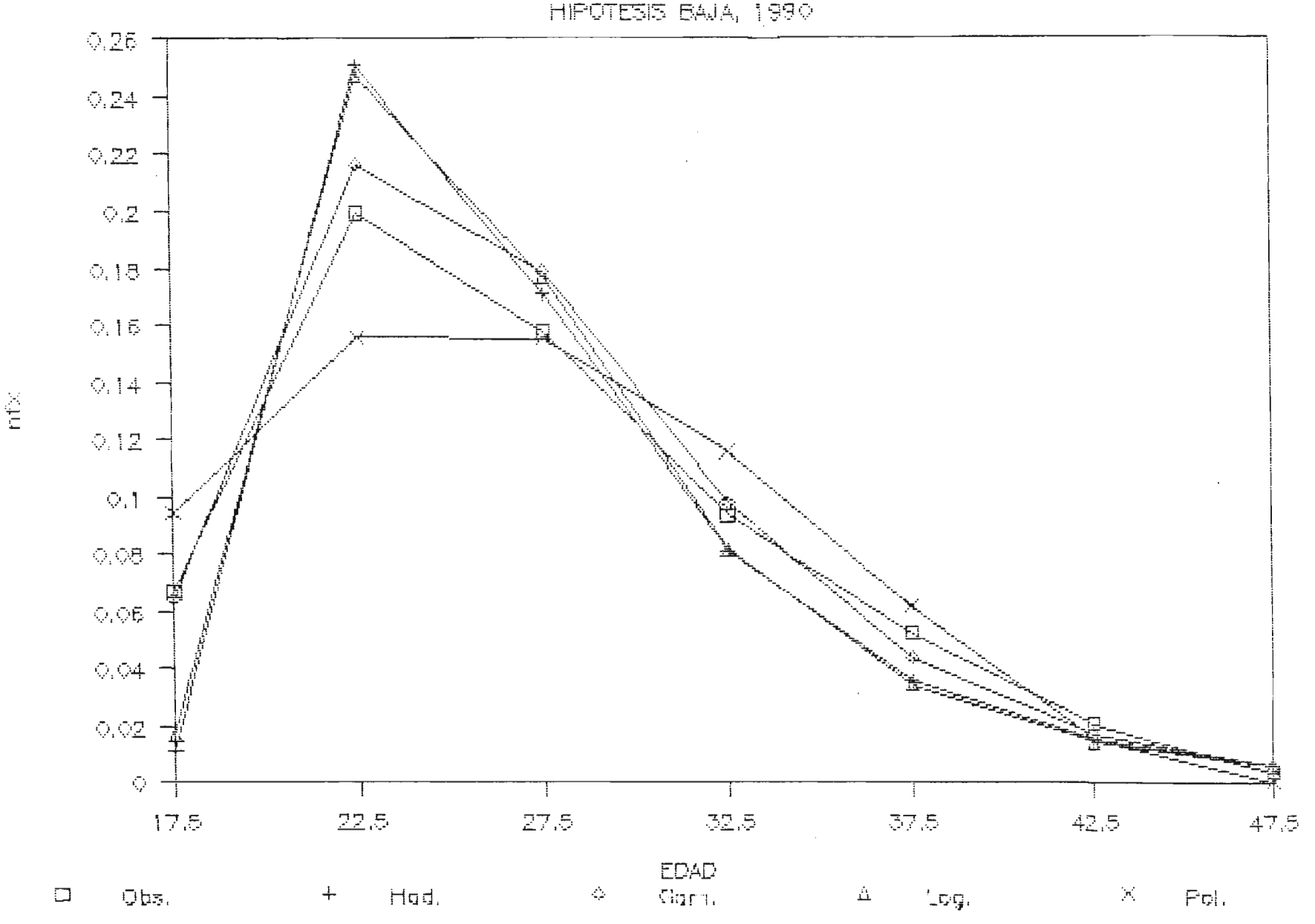
Gráfica 23

AJUSTE DE FUNCIONES DE FECUNDIDAD



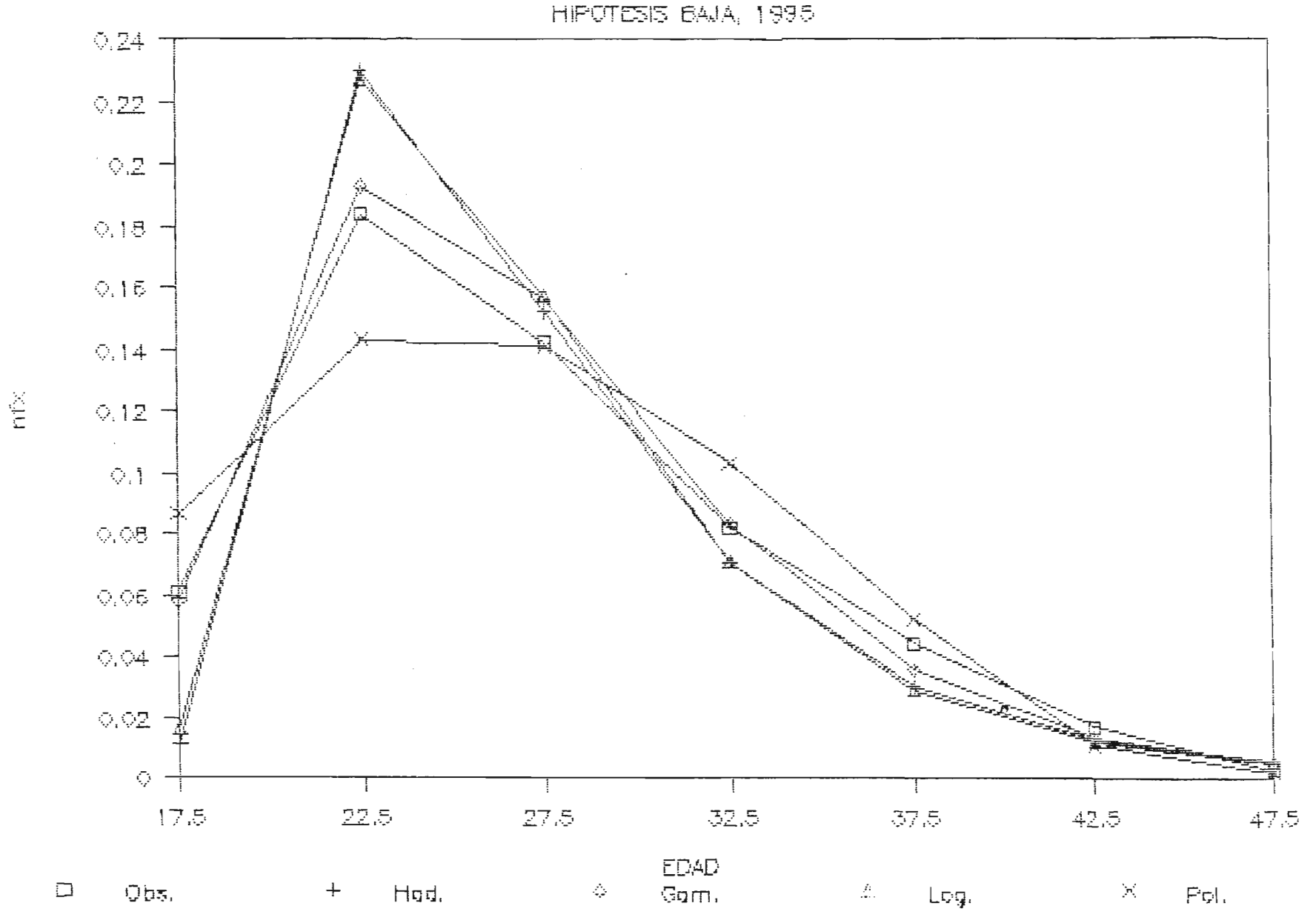
Gráfica 24

AJUSTE DE FUNCIONES DE FECUNDIDAD



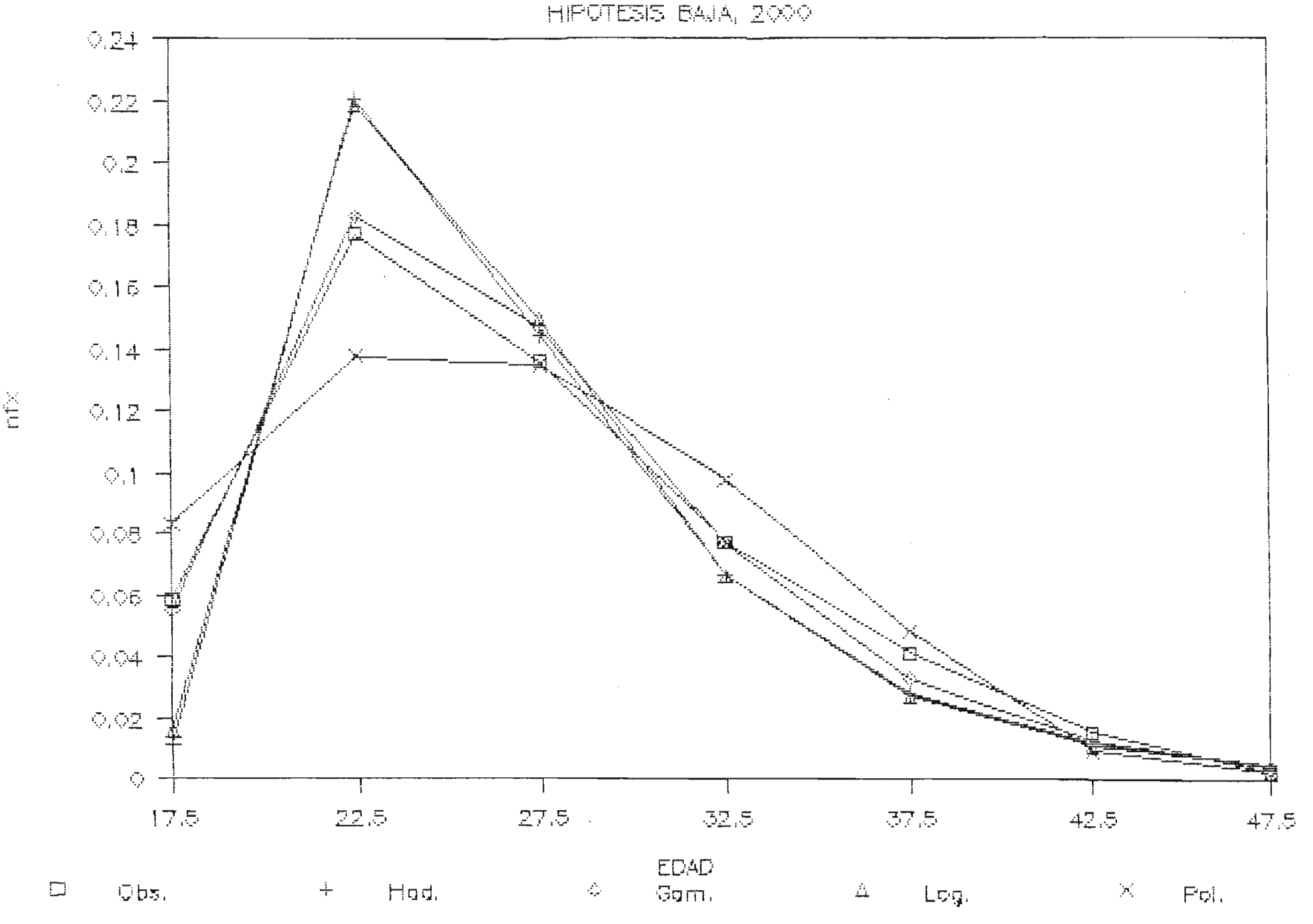
Gráfica 25

AJUSTE DE FUNCIONES DE FECUNDIDAD



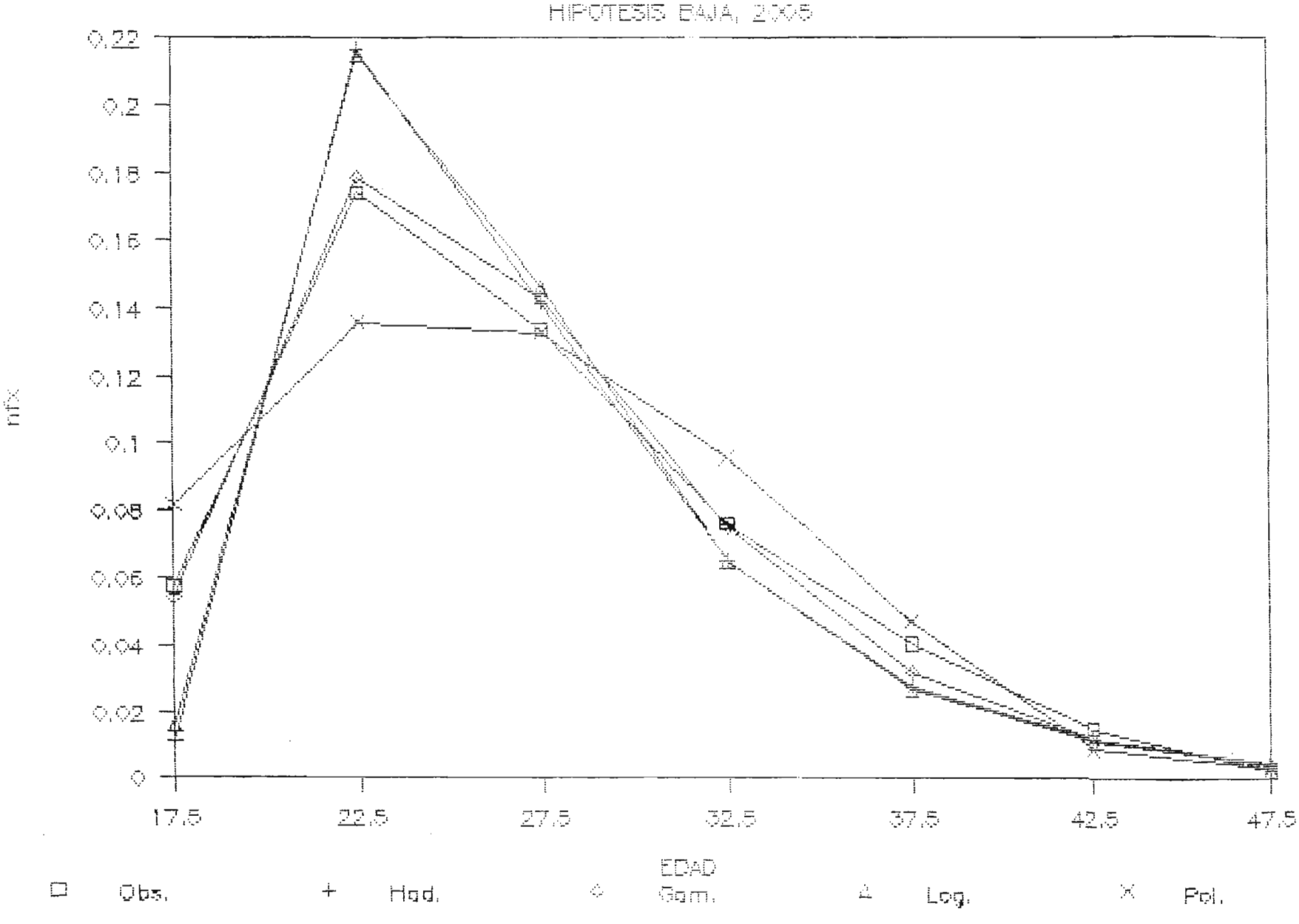
Gráfica 26

AJUSTE DE FUNCIONES DE FECUNDIDAD



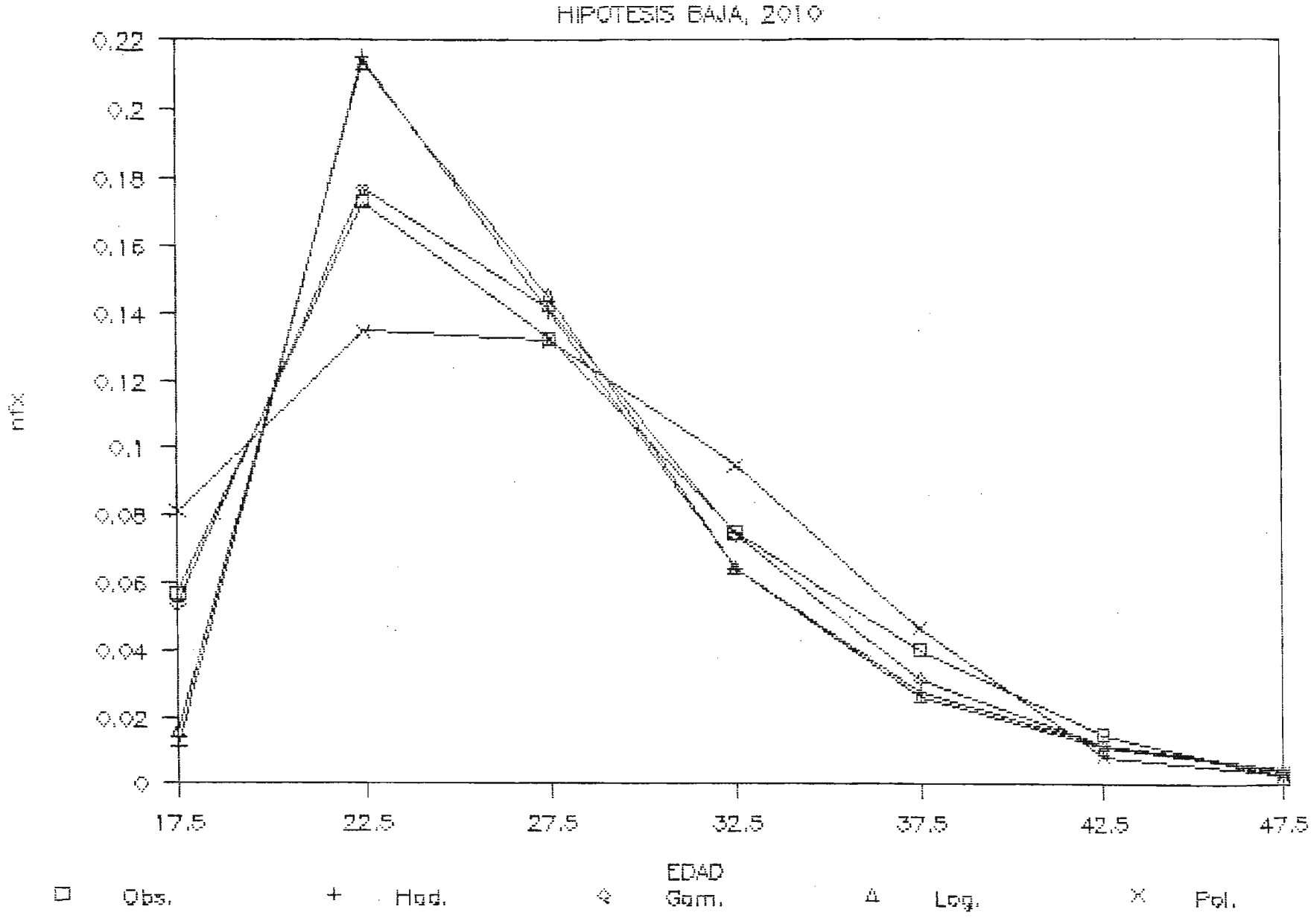
Gráfica 27

AJUSTE DE FUNCIONES DE FECUNDIDAD



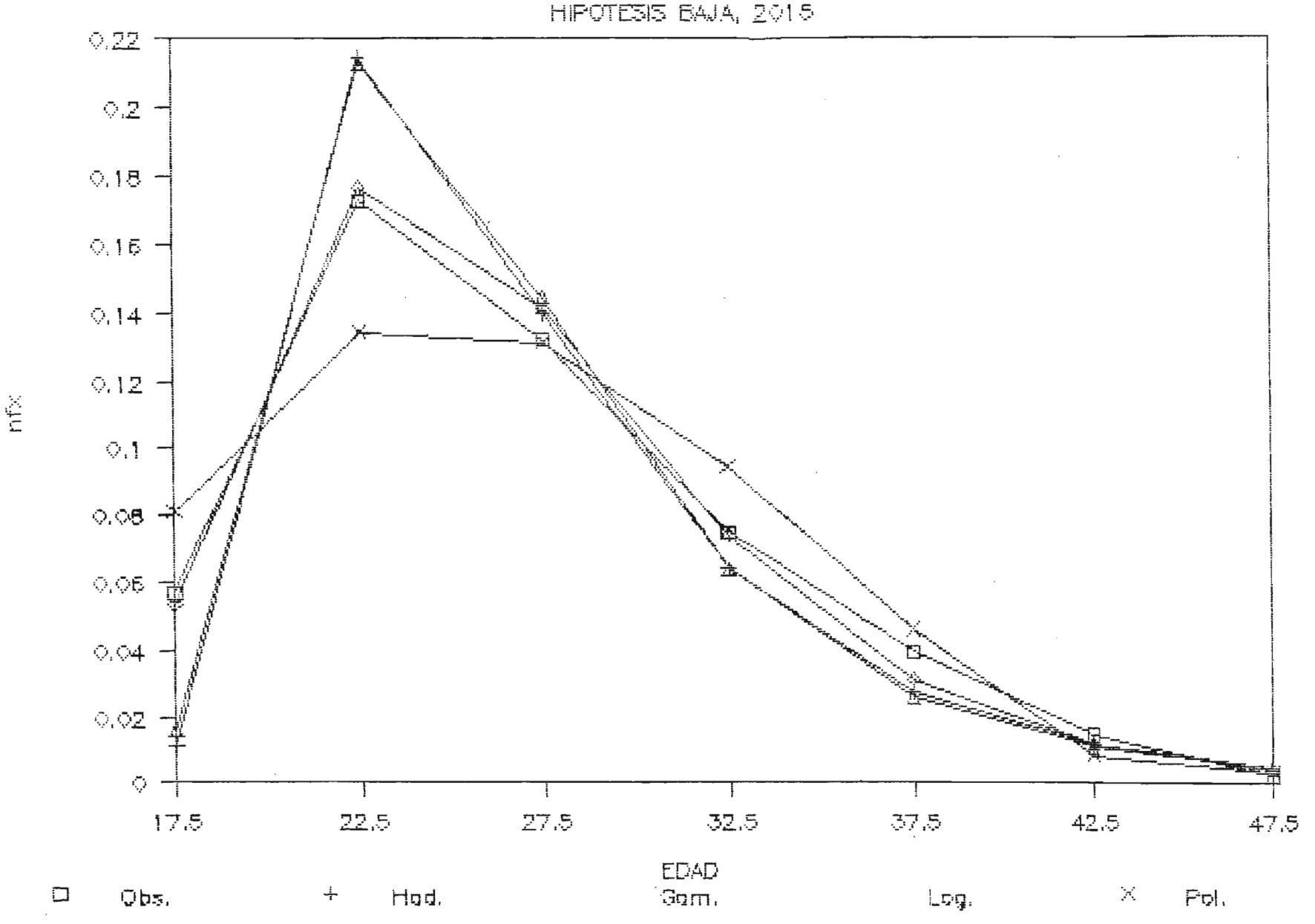
Gráfica 28

AJUSTE DE FUNCIONES DE FECUNDIDAD



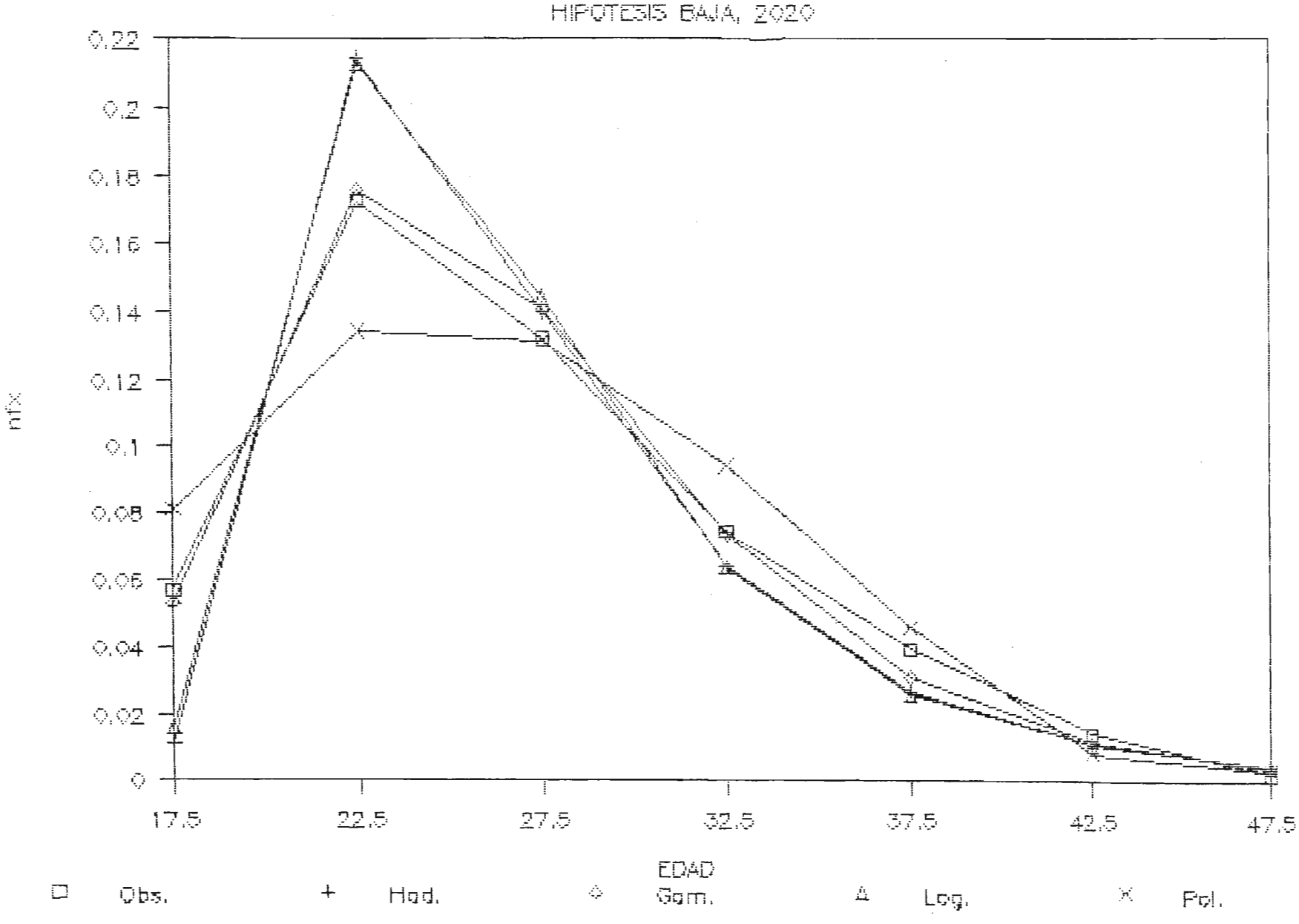
Gráfica 29

AJUSTE DE FUNCIONES DE FECUNDIDAD



Gráfica 30

AJUSTE DE FUNCIONES DE FECUNDIDAD



Cuadro 24

PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, 1975 - 2040

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
						Hipótesis Alta								
0	0.92718	0.93431	0.93994	0.94450	0.94827	0.95144	0.95414	0.95647	0.95850	0.96029	0.96187	0.96329	0.96457	0.96572
1	0.97064	0.97316	0.97518	0.97683	0.97820	0.97937	0.98037	0.98123	0.98199	0.98266	0.98326	0.98379	0.98428	0.98471
5	0.99134	0.99207	0.99265	0.99312	0.99352	0.99386	0.99414	0.99439	0.99461	0.99481	0.99498	0.99514	0.99528	0.99540
10	0.99457	0.99502	0.99538	0.99568	0.99592	0.99613	0.99631	0.99647	0.99660	0.99672	0.99683	0.99693	0.99702	0.99710
15	0.99107	0.99180	0.99239	0.99287	0.99327	0.99361	0.99390	0.99415	0.99438	0.99458	0.94750	0.99491	0.99505	0.99518
20	0.98558	0.98673	0.98766	0.98842	0.98905	0.98959	0.99006	0.99047	0.99908	0.99114	0.99142	0.99167	0.99190	0.99211
25	0.98227	0.98364	0.98475	0.98567	0.98643	0.98708	0.98765	0.98814	0.98857	0.98895	0.98929	0.98960	0.98988	0.99013
30	0.97814	0.97978	0.98110	0.98220	0.98312	0.98390	0.98458	0.98517	0.98570	0.98616	0.98657	0.98695	0.98729	0.98759
35	0.97253	0.97450	0.97611	0.97743	0.97856	0.97951	0.98035	0.98107	0.98171	0.98228	0.98279	0.98325	0.98367	0.98405
40	0.96637	0.96866	0.97054	0.97210	0.97342	0.97455	0.97554	0.97640	0.97716	0.97784	0.97845	0.97900	0.97950	0.97995
45	0.95673	0.95950	0.96178	0.96368	0.96530	0.96670	0.96791	0.96898	0.96992	0.97077	0.97153	0.97221	0.97283	0.97340
50	0.94391	0.94722	0.94996	0.95227	0.95424	0.95595	0.95744	0.95875	0.95992	0.96096	0.96190	0.96276	0.96353	0.96424
55	0.92550	0.92946	0.93276	0.93557	0.93798	0.94007	0.94191	0.94353	0.94498	0.94628	0.94746	0.94852	0.94949	0.95039
60	0.89752	0.90223	0.90620	0.90960	0.91254	0.91511	0.91738	0.91940	0.92121	0.92284	0.92431	0.92565	0.92688	0.92801
65	0.85483	0.86022	0.86484	0.86883	0.87232	0.87539	0.87812	0.88056	0.88276	0.88475	0.88656	0.88821	0.88972	0.89112
70	0.78815	0.79383	0.79877	0.80309	0.80690	0.81030	0.81333	0.81606	0.81854	0.82079	0.82284	0.82472	0.82645	0.82805
75	0.68166	0.68656	0.69087	0.69469	0.69809	0.70115	0.70390	0.70638	0.70864	0.71070	0.71259	0.71432	0.71591	0.71738
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
						Hipótesis Baja								
0	0.92917	0.93777	0.94373	0.94899	0.95336	0.95703	0.96016	0.96286	0.96521	0.96727	0.96909	0.97072	0.97218	0.97349
1	0.97142	0.97434	0.97671	0.97867	0.98031	0.98170	0.98290	0.98394	0.98486	0.98567	0.98638	0.98703	0.98761	0.98814
5	0.99157	0.99241	0.99310	0.99366	0.99414	0.99455	0.99490	0.99520	0.99547	0.99570	0.99536	0.99610	0.99627	0.99643
10	0.99471	0.99524	0.99566	0.99602	0.99631	0.99656	0.99678	0.99697	0.99714	0.99729	0.99746	0.99754	0.99765	0.99774
15	0.99131	0.99215	0.99285	0.99342	0.99391	0.99432	0.99468	0.99499	0.99526	0.99550	0.99572	0.99592	0.99609	0.99625
20	0.98595	0.98729	0.98839	0.98931	0.99008	0.99074	0.99131	0.99181	0.99225	0.99265	0.99299	0.99331	0.99359	0.99385
25	0.98272	0.98433	0.98565	0.98676	0.98769	0.98849	0.98919	0.98980	0.99034	0.99081	0.99124	0.99163	0.99197	0.99229
30	0.97868	0.98061	0.98219	0.98353	0.98466	0.98563	0.98648	0.98722	0.98788	0.98846	0.98899	0.98946	0.98989	0.99028
35	0.97319	0.97552	0.97746	0.97909	0.98048	0.98168	0.98272	0.98364	0.98446	0.98519	0.98584	0.98643	0.98697	0.98746
40	0.96715	0.96988	0.97216	0.97409	0.97574	0.97718	0.97844	0.97954	0.98053	0.98141	0.98220	0.98292	0.98357	0.98417
45	0.95769	0.96101	0.96380	0.96618	0.96824	0.97003	0.97160	0.97300	0.97424	0.97536	0.97637	0.97728	0.97812	0.97888
50	0.94508	0.94909	0.95249	0.95541	0.95795	0.96018	0.96215	0.96390	0.96548	0.96689	0.96818	0.96934	0.97041	0.97139
55	0.92695	0.93178	0.93594	0.93955	0.94272	0.94551	0.94800	0.95023	0.95224	0.95406	0.95572	0.95724	0.95863	0.95991
60	0.89932	0.90514	0.91023	0.91471	0.91868	0.92222	0.92541	0.92828	0.93086	0.93327	0.93545	0.93746	0.93931	0.94102
65	0.85700	0.86383	0.86989	0.87532	0.88021	0.88462	0.88864	0.89230	0.89566	0.89875	0.90161	0.90425	0.90671	0.90900
70	0.79066	0.79808	0.80483	0.81099	0.81665	0.82185	0.82665	0.83109	0.83522	0.83906	0.84265	0.84601	0.84916	0.85212
75	0.68424	0.69101	0.69736	0.70331	0.70889	0.71414	0.71909	0.72374	0.72814	0.73230	0.73625	0.73999	0.74355	0.74693
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Fuente: Camposortega Cruz Sergio. Proyecciones de la Población Mexicana 1970-2040. Tesis de Maestría en Demografía. El Colegio de México. México, 1980.

Cuadro 25

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
Hipótesis Alta													
0	0.95126	0.95671	0.96098	0.96437	0.96709	0.96931	0.97115	0.97267	0.97395	0.97503	0.97596	0.97675	0.97744
1	0.97420	0.97677	0.97881	0.98044	0.98176	0.98284	0.98373	0.98448	0.98510	0.98563	0.98607	0.98646	0.98679
5	0.99312	0.99379	0.99432	0.99474	0.99509	0.99537	0.99560	0.99580	0.99596	0.99610	0.99621	0.99631	0.99640
10	0.99628	0.99664	0.99693	0.99715	0.99734	0.99749	0.99762	0.99772	0.99781	0.99788	0.99794	0.99800	0.99804
15	0.99478	0.99528	0.99568	0.99599	0.99625	0.99646	0.99664	0.99678	0.99691	0.99701	0.99710	0.99717	0.99723
20	0.99195	0.99271	0.99332	0.99380	0.99419	0.99452	0.99479	0.99501	0.99519	0.99535	0.99548	0.99560	0.99570
25	0.98956	0.99053	0.99130	0.99192	0.99242	0.99284	0.99318	0.99347	0.99370	0.99391	0.99408	0.99422	0.99435
30	0.98672	0.98792	0.98888	0.98966	0.99029	0.99081	0.99124	0.99160	0.99190	0.99215	0.99236	0.99255	0.99270
35	0.98337	0.98484	0.98601	0.98696	0.98774	0.98838	0.98891	0.98935	0.98972	0.99003	0.99030	0.99052	0.99071
40	0.97983	0.98185	0.98294	0.98406	0.98499	0.98574	0.98637	0.98690	0.98734	0.98771	0.98802	0.98829	0.98852
45	0.97363	0.97580	0.97755	0.97897	0.98014	0.98111	0.98191	0.98258	0.98314	0.98361	0.98401	0.98435	0.98464
50	0.96346	0.96630	0.96862	0.97051	0.97207	0.97336	0.97444	0.97533	0.97609	0.97672	0.97725	0.97771	0.97810
55	0.94890	0.95260	0.95563	0.95813	0.96020	0.96192	0.96335	0.96455	0.96556	0.96640	0.96712	0.96772	0.96823
60	0.92597	0.93080	0.93481	0.93815	0.94092	0.94324	0.94517	0.94680	0.94816	0.94931	0.95027	0.95109	0.95177
65	0.88877	0.89501	0.90026	0.90467	0.90837	0.91148	0.91409	0.91628	0.91812	0.91966	0.92096	0.92205	0.92296
70	0.82649	0.83412	0.84065	0.84623	0.85096	0.85496	0.85834	0.86118	0.86356	0.86555	0.86721	0.86859	0.86973
75	0.71913	0.72719	0.73425	0.74038	0.74565	0.75014	0.75394	0.75712	0.75978	0.76197	0.76376	0.76521	0.76635
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hipótesis Baja													
0	0.95351	0.95970	0.96461	0.96855	0.97174	0.97436	0.97653	0.97835	0.97988	0.98117	0.98229	0.98324	0.98407
1	0.97536	0.97834	0.98074	0.98269	0.98430	0.98562	0.98673	0.98766	0.98845	0.98913	0.98970	0.99020	0.99064
5	0.99342	0.99420	0.99483	0.99535	0.99577	0.99612	0.99641	0.99666	0.99687	0.99704	0.99720	0.99733	0.99745
10	0.99645	0.99687	0.99720	0.99748	0.99771	0.99790	0.99805	0.99819	0.99830	0.99839	0.99848	0.99855	0.99861
15	0.99501	0.99560	0.99607	0.99645	0.99677	0.99703	0.99725	0.99744	0.99760	0.99773	0.99785	0.99795	0.99803
20	0.99253	0.99320	0.99391	0.99450	0.99499	0.99539	0.99573	0.99602	0.99626	0.99647	0.99665	0.99680	0.99694
25	0.99062	0.99115	0.99207	0.99283	0.99345	0.99398	0.99441	0.99478	0.99510	0.99537	0.99560	0.99580	0.99897
30	0.98727	0.98870	0.98986	0.99081	0.99160	0.99226	0.99281	0.99328	0.99368	0.99402	0.99431	0.99457	0.99479
35	0.98408	0.98581	0.98723	0.98840	0.98938	0.99019	0.99088	0.99147	0.99196	0.99239	0.99276	0.99307	0.99335
40	0.98067	0.98271	0.98440	0.98580	0.98696	0.98794	0.98877	0.98947	0.99007	0.99059	0.99103	0.99142	0.99175
45	0.97470	0.97728	0.97943	0.98121	0.98271	0.98398	0.98504	0.98595	0.98673	0.98740	0.98798	0.98848	0.98892
50	0.96499	0.96831	0.97117	0.97357	0.97560	0.97731	0.97877	0.98002	0.98109	0.98201	0.98281	0.98350	0.98410
55	0.95079	0.95529	0.95909	0.96232	0.96505	0.96738	0.96938	0.97109	0.97256	0.97384	0.97494	0.97590	0.97674
60	0.92851	0.93448	0.93959	0.94398	0.94775	0.95099	0.95377	0.95618	0.95826	0.96007	0.96165	0.96302	0.96422
65	0.89219	0.90003	0.90689	0.91288	0.91809	0.92262	0.92657	0.93001	0.93301	0.93563	0.93792	0.93993	0.94169
70	0.83097	0.84078	0.84966	0.85758	0.86463	0.87087	0.87638	0.88124	0.88553	0.88932	0.89265	0.89559	0.89818
75	0.72492	0.73525	0.74545	0.75486	0.76346	0.77127	0.77833	0.78467	0.79036	0.79543	0.79996	0.80398	0.80756
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Fuente: Camposortega Cruz Sergio. Proyecciones de la Población Mexicana 1970-2040. Tesis de Maestría en Demografía. El Colegio de México. México, 1980.

Cuadro 26

AJUSTE DE LA FUNCION UNIFORME A LAS PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, 1975 - 2040

Hipótesis Alta

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
Probabilidades Observadas														
0	0.92718	0.93431	0.93994	0.94450	0.94827	0.95144	0.95414	0.95647	0.95850	0.96029	0.96187	0.96329	0.96457	0.96572
1	0.97064	0.97316	0.97518	0.97683	0.97820	0.97937	0.98037	0.98123	0.98199	0.98266	0.98326	0.98379	0.98428	0.98471
5	0.99134	0.99207	0.99265	0.99312	0.99352	0.99386	0.99414	0.99439	0.99461	0.99481	0.99498	0.99514	0.99528	0.99540
10	0.99457	0.99502	0.99538	0.99568	0.99592	0.99613	0.99631	0.99647	0.99660	0.99672	0.99683	0.99693	0.99702	0.99710
15	0.99107	0.99180	0.99239	0.99287	0.99327	0.99361	0.99390	0.99415	0.99438	0.99458	0.99475	0.99491	0.99505	0.99518
20	0.98558	0.98673	0.98766	0.98842	0.98905	0.98959	0.99006	0.99047	0.99908	0.99114	0.99142	0.99167	0.99190	0.99211
25	0.98227	0.98364	0.98475	0.98567	0.98643	0.98708	0.98765	0.98814	0.98857	0.98895	0.98929	0.98960	0.98988	0.99013
30	0.97814	0.97978	0.98110	0.98220	0.98312	0.98390	0.98458	0.98517	0.98570	0.98616	0.98657	0.98695	0.98729	0.98759
35	0.97253	0.97450	0.97611	0.97743	0.97856	0.97951	0.98035	0.98107	0.98171	0.98228	0.98279	0.98325	0.98367	0.98405
40	0.96637	0.96866	0.97054	0.97210	0.97342	0.97455	0.97554	0.97640	0.97716	0.97784	0.97845	0.97900	0.97950	0.97995
45	0.95673	0.95950	0.96178	0.96368	0.96530	0.96670	0.96791	0.96898	0.96992	0.97077	0.97153	0.97221	0.97283	0.97340
50	0.94391	0.94722	0.94996	0.95227	0.95424	0.95595	0.95744	0.95875	0.95992	0.96096	0.96190	0.96276	0.96353	0.96424
55	0.92550	0.92946	0.93276	0.93557	0.93798	0.94007	0.94191	0.94353	0.94498	0.94628	0.94746	0.94852	0.94949	0.95039
60	0.89752	0.90223	0.90620	0.90960	0.91254	0.91511	0.91738	0.91940	0.92121	0.92284	0.92431	0.92565	0.92688	0.92801
65	0.85483	0.86022	0.86484	0.86883	0.87232	0.87539	0.87812	0.88056	0.88276	0.88475	0.88656	0.88821	0.88972	0.89112
70	0.78815	0.79383	0.79877	0.80309	0.80690	0.81030	0.81333	0.81606	0.81854	0.82079	0.82284	0.82472	0.82645	0.82805
75	0.68166	0.68656	0.69087	0.69469	0.69809	0.70115	0.70390	0.70638	0.70864	0.71070	0.71259	0.71432	0.71591	0.71738
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parámetros														
a =	-6.68	-5.98	-5.43	-4.99	-4.64	-4.34	-4.09	-3.87	-3.68	-3.51	-3.37	-3.24	-3.12	-3.02
b =	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00
Probabilidades Estimadas														
0	0.92718	0.93431	0.93994	0.94450	0.94827	0.95144	0.95414	0.95647	0.95850	0.96029	0.96187	0.96329	0.96457	0.96572
1	0.91627	0.92332	0.92888	0.93339	0.93711	0.94025	0.94291	0.94522	0.94722	0.94899	0.95055	0.95196	0.95322	0.95436
5	0.87264	0.87935	0.88465	0.88894	0.89249	0.89547	0.89801	0.90021	0.90212	0.90380	0.90529	0.90663	0.90783	0.90891
10	0.81810	0.82439	0.82936	0.83338	0.83671	0.83951	0.84189	0.84394	0.84574	0.84731	0.84871	0.84996	0.85109	0.85211
15	0.76356	0.76943	0.77407	0.77782	0.78093	0.78354	0.78576	0.78768	0.78935	0.79083	0.79213	0.79330	0.79435	0.79530
20	0.70902	0.71447	0.71878	0.72226	0.72515	0.72757	0.72964	0.73142	0.73297	0.73434	0.73555	0.73663	0.73761	0.73849
25	0.65448	0.65951	0.66349	0.66671	0.66937	0.67160	0.67351	0.67516	0.67659	0.67785	0.67897	0.67997	0.68087	0.68168
30	0.59994	0.60455	0.60820	0.61115	0.61359	0.61564	0.61738	0.61889	0.62021	0.62136	0.62239	0.62331	0.62413	0.62488
35	0.54540	0.54959	0.55291	0.55559	0.55781	0.55967	0.56126	0.56263	0.56382	0.56488	0.56581	0.56664	0.56739	0.56807
40	0.49086	0.49463	0.49762	0.50003	0.50203	0.50370	0.50513	0.50637	0.50744	0.50839	0.50923	0.50998	0.51065	0.51126
45	0.43632	0.43968	0.44232	0.44447	0.44624	0.44774	0.44901	0.45010	0.45106	0.45190	0.45264	0.45331	0.45392	0.45446
50	0.38176	0.38472	0.38703	0.38891	0.39046	0.39177	0.39288	0.39384	0.39468	0.39541	0.39606	0.39665	0.39718	0.39765
55	0.32724	0.32976	0.33174	0.33335	0.33468	0.33580	0.33676	0.33758	0.33829	0.33893	0.33948	0.33998	0.34044	0.34084
60	0.27270	0.27480	0.27645	0.27779	0.27890	0.27984	0.28063	0.28131	0.28191	0.28244	0.28290	0.28332	0.28370	0.28404
65	0.21816	0.21984	0.22116	0.22224	0.22312	0.22387	0.22450	0.22505	0.22553	0.22595	0.22632	0.22666	0.22696	0.22723
70	0.16362	0.16488	0.16587	0.16668	0.16734	0.16790	0.16838	0.16879	0.16915	0.16946	0.16974	0.16999	0.17022	0.17042
75	0.10908	0.10992	0.11058	0.11112	0.11156	0.11193	0.11225	0.11253	0.11276	0.11298	0.11316	0.11333	0.11348	0.11361
80	0.05454	0.05496	0.05529	0.05556	0.05578	0.05597	0.05613	0.05626	0.05638	0.05649	0.05658	0.05666	0.05674	0.05681

Cuadro 26
(Continuación)

AJUSTE DE LA FUNCION UNIFORME A LAS PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, 1975 - 2040

Hipótesis Alta

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
Fuerza de Mortalidad														
0	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176
1	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190
5	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250
10	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333
15	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429
20	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538
25	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667
30	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818
35	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000
40	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222
45	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500
50	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857
55	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333
60	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000
65	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000
70	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667
75	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000
80	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000
Probabilidad Condicional de Fallecer														
0	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176
1	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762
5	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250
10	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667
15	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143
20	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692
25	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333
30	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091
35	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000
40	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111
45	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500
50	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286
55	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667
60	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000
65	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000
70	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333
75	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000
80	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000

Fuente: Cuadro 21.

Cuadro 26'

AJUSTE DE LA FUNCION UNIFORME A LAS PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, 1975 - 2040

Hipótesis Alta

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
Probabilidades Observadas														
0	0.92718	0.93431	0.93994	0.94450	0.94827	0.95144	0.95414	0.95647	0.95850	0.96029	0.96187	0.96329	0.96457	0.96572
1	0.97064	0.97316	0.97518	0.97683	0.97820	0.97937	0.98037	0.98123	0.98199	0.98266	0.98326	0.98379	0.98428	0.98471
5	0.99134	0.99207	0.99265	0.99312	0.99352	0.99386	0.99414	0.99439	0.99461	0.99481	0.99498	0.99514	0.99528	0.99540
10	0.99457	0.99502	0.99538	0.99568	0.99592	0.99613	0.99631	0.99647	0.99660	0.99672	0.99683	0.99693	0.99702	0.99710
15	0.99107	0.99180	0.99239	0.99287	0.99327	0.99361	0.99390	0.99415	0.99438	0.99458	0.99475	0.99491	0.99505	0.99518
20	0.98558	0.98673	0.98766	0.98842	0.98905	0.98959	0.99006	0.99047	0.99908	0.99114	0.99142	0.99167	0.99190	0.99211
25	0.98227	0.98364	0.98475	0.98567	0.98643	0.98708	0.98765	0.98814	0.98857	0.98895	0.98929	0.98960	0.98988	0.99013
30	0.97814	0.97978	0.98110	0.98220	0.98312	0.98390	0.98458	0.98517	0.98570	0.98616	0.98657	0.98695	0.98729	0.98759
35	0.97253	0.97450	0.97611	0.97743	0.97856	0.97951	0.98035	0.98107	0.98171	0.98228	0.98279	0.98325	0.98367	0.98405
40	0.96637	0.96866	0.97054	0.97210	0.97342	0.97455	0.97554	0.97640	0.97716	0.97784	0.97845	0.97900	0.97950	0.97995
45	0.95673	0.95950	0.96178	0.96368	0.96530	0.96670	0.96791	0.96898	0.96992	0.97077	0.97153	0.97221	0.97283	0.97340
50	0.94391	0.94722	0.94996	0.95227	0.95424	0.95595	0.95744	0.95875	0.95992	0.96096	0.96190	0.96276	0.96353	0.96424
55	0.92550	0.92946	0.93276	0.93557	0.93798	0.94007	0.94191	0.94353	0.94498	0.94628	0.94746	0.94852	0.94949	0.95039
60	0.89752	0.90223	0.90620	0.90960	0.91254	0.91511	0.91738	0.91940	0.92121	0.92284	0.92431	0.92565	0.92688	0.92801
65	0.85483	0.86022	0.86484	0.86883	0.87232	0.87539	0.87812	0.88056	0.88276	0.88475	0.88656	0.88821	0.88972	0.89112
70	0.78815	0.79383	0.79877	0.80309	0.80690	0.81030	0.81333	0.81606	0.81854	0.82079	0.82284	0.82472	0.82645	0.82805
75	0.68166	0.68656	0.69087	0.69469	0.69809	0.70115	0.70390	0.70638	0.70864	0.71070	0.71259	0.71432	0.71591	0.71738
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parámetros														
a =	15.75	16.17	16.50	16.78	17.02	17.22	17.39	17.54	17.81	17.80	17.91	18.00	18.09	18.17
b =	197.11	198.31	199.41	200.42	201.34	202.18	202.95	203.65	203.99	204.90	205.45	205.96	206.43	206.88
Probabilidades Estimadas														
0	1.08683	1.08875	1.09022	1.09139	1.09232	1.09309	1.09373	1.09427	1.09567	1.09513	1.09547	1.09578	1.09606	1.09629
1	1.08132	1.08326	1.08476	1.08594	1.08689	1.08768	1.08834	1.08889	1.09030	1.08978	1.09014	1.09046	1.09075	1.09100
5	1.05926	1.06130	1.06289	1.06416	1.06519	1.06606	1.06678	1.06740	1.06881	1.06841	1.06881	1.06918	1.06951	1.06980
10	1.03169	1.03385	1.03555	1.03693	1.03807	1.03902	1.03984	1.04054	1.04196	1.04168	1.04215	1.04258	1.04296	1.04330
15	1.00412	1.00640	1.00822	1.00970	1.01094	1.01199	1.01289	1.01367	1.01510	1.01496	1.01549	1.01598	1.01641	1.01681
20	0.97655	0.97895	0.98088	0.98248	0.98381	0.98496	0.98594	0.98680	0.98824	0.98823	0.98883	0.98938	0.98987	0.99031
25	0.94898	0.95150	0.95354	0.95525	0.95669	0.95792	0.95900	0.95994	0.96139	0.96151	0.96217	0.96277	0.96332	0.96381
30	0.92141	0.92404	0.92621	0.92802	0.92956	0.93089	0.93205	0.93307	0.93453	0.93479	0.93551	0.93617	0.93677	0.93732
35	0.89384	0.89659	0.89887	0.90079	0.90243	0.90386	0.90510	0.90620	0.90768	0.90806	0.90885	0.90957	0.91022	0.91082
40	0.86627	0.86914	0.87154	0.87357	0.87531	0.87683	0.87816	0.87934	0.88082	0.88134	0.88219	0.88297	0.88368	0.88433
45	0.83871	0.84169	0.84420	0.84634	0.84818	0.84979	0.85121	0.85247	0.85397	0.85461	0.85553	0.85637	0.85713	0.85783
50	0.81114	0.81424	0.81686	0.81911	0.82105	0.82276	0.82427	0.82560	0.82711	0.82789	0.82887	0.82976	0.83058	0.83133
55	0.78357	0.78679	0.78953	0.79188	0.79393	0.79573	0.79732	0.79874	0.80026	0.80117	0.80221	0.80316	0.80403	0.80484
60	0.75600	0.75934	0.76219	0.76465	0.76680	0.76869	0.77037	0.77187	0.77340	0.77444	0.77555	0.77656	0.77749	0.77834
65	0.72843	0.73189	0.73486	0.73743	0.73968	0.74166	0.74343	0.74500	0.74654	0.74772	0.74889	0.74996	0.75094	0.75184
70	0.70086	0.70444	0.70752	0.71020	0.71255	0.71463	0.71648	0.71814	0.71969	0.72099	0.72223	0.72336	0.72439	0.72535
75	0.67329	0.67699	0.68018	0.68297	0.68542	0.68760	0.68953	0.69127	0.69283	0.69427	0.69557	0.69676	0.69784	0.69885
80	0.64572	0.64954	0.65285	0.65574	0.65830	0.66056	0.66259	0.66441	0.66598	0.66755	0.66891	0.67015	0.67130	0.67236

Cuadro 26'
(Continuación)

AJUSTE DE LA FUNCION UNIFORME A LAS PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, 1975 - 2040

Hipótesis Alta

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
							Fuerza de Mortalidad							
0	0.00507	0.00504	0.00501	0.00499	0.00497	0.00495	0.00493	0.00491	0.00490	0.00488	0.00487	0.00486	0.00484	0.00483
1	0.00510	0.00507	0.00504	0.00501	0.00499	0.00497	0.00495	0.00493	0.00493	0.00490	0.00489	0.00488	0.00487	0.00486
5	0.00521	0.00517	0.00514	0.00512	0.00509	0.00507	0.00505	0.00503	0.00503	0.00500	0.00499	0.00498	0.00496	0.00495
10	0.00534	0.00531	0.00528	0.00525	0.00523	0.00520	0.00518	0.00516	0.00515	0.00513	0.00512	0.00510	0.00509	0.00508
15	0.00549	0.00546	0.00542	0.00539	0.00537	0.00534	0.00532	0.00530	0.00529	0.00527	0.00525	0.00524	0.00522	0.00521
20	0.00565	0.00561	0.00557	0.00554	0.00551	0.00549	0.00547	0.00545	0.00544	0.00541	0.00539	0.00538	0.00536	0.00535
25	0.00581	0.00577	0.00573	0.00570	0.00567	0.00564	0.00562	0.00560	0.00559	0.00556	0.00554	0.00553	0.00551	0.00550
30	0.00598	0.00594	0.00590	0.00587	0.00584	0.00581	0.00578	0.00576	0.00575	0.00572	0.00570	0.00568	0.00567	0.00565
35	0.00617	0.00612	0.00608	0.00605	0.00601	0.00598	0.00595	0.00593	0.00592	0.00589	0.00587	0.00585	0.00583	0.00582
40	0.00637	0.00632	0.00627	0.00623	0.00620	0.00617	0.00614	0.00611	0.00610	0.00606	0.00604	0.00603	0.00601	0.00599
45	0.00657	0.00652	0.00648	0.00643	0.00640	0.00636	0.00633	0.00630	0.00629	0.00625	0.00623	0.00621	0.00619	0.00618
50	0.00680	0.00674	0.00669	0.00665	0.00661	0.00657	0.00654	0.00651	0.00649	0.00646	0.00643	0.00641	0.00639	0.00637
55	0.00704	0.00698	0.00692	0.00688	0.00683	0.00679	0.00676	0.00673	0.00671	0.00667	0.00665	0.00662	0.00660	0.00658
60	0.00729	0.00723	0.00717	0.00712	0.00708	0.00703	0.00700	0.00696	0.00694	0.00690	0.00688	0.00685	0.00683	0.00681
65	0.00757	0.00750	0.00744	0.00738	0.00733	0.00729	0.00725	0.00721	0.00719	0.00715	0.00712	0.00709	0.00707	0.00705
70	0.00787	0.00779	0.00773	0.00767	0.00761	0.00757	0.00752	0.00748	0.00746	0.00741	0.00738	0.00736	0.00733	0.00731
75	0.00819	0.00811	0.00804	0.00797	0.00792	0.00786	0.00782	0.00777	0.00775	0.00770	0.00767	0.00764	0.00761	0.00758
80	0.00854	0.00845	0.00837	0.00830	0.00824	0.00818	0.00813	0.00809	0.00807	0.00801	0.00797	0.00794	0.00791	0.00788
							Probabilidad Condicional de Fallecer							
0	0.00507	0.00504	0.00501	0.00499	0.00497	0.00495	0.00493	0.00491	0.00490	0.00488	0.00487	0.00486	0.00484	0.00483
1	0.02040	0.02027	0.02016	0.02006	0.01997	0.01988	0.01981	0.01974	0.01971	0.01962	0.01956	0.01952	0.01947	0.01943
5	0.02603	0.02587	0.02572	0.02559	0.02547	0.02536	0.02526	0.02517	0.02513	0.02501	0.02494	0.02488	0.02482	0.02477
10	0.02672	0.02655	0.02640	0.02626	0.02613	0.02602	0.02591	0.02582	0.02577	0.02565	0.02558	0.02552	0.02545	0.02540
15	0.02746	0.02728	0.02711	0.02697	0.02683	0.02671	0.02660	0.02650	0.02646	0.02633	0.02625	0.02618	0.02612	0.02606
20	0.02823	0.02804	0.02787	0.02771	0.02757	0.02745	0.02733	0.02723	0.02718	0.02704	0.02696	0.02689	0.02682	0.02676
25	0.02905	0.02885	0.02867	0.02850	0.02835	0.02822	0.02810	0.02799	0.02793	0.02779	0.02771	0.02763	0.02756	0.02749
30	0.02992	0.02971	0.02951	0.02934	0.02918	0.02904	0.02891	0.02879	0.02874	0.02859	0.02850	0.02842	0.02834	0.02827
35	0.03084	0.03062	0.03041	0.03023	0.03006	0.02991	0.02977	0.02965	0.02959	0.02943	0.02933	0.02925	0.02917	0.02909
40	0.03183	0.03158	0.03137	0.03117	0.03099	0.03083	0.03068	0.03055	0.03049	0.03032	0.03022	0.03013	0.03004	0.02996
45	0.03287	0.03261	0.03238	0.03217	0.03198	0.03181	0.03166	0.03152	0.03145	0.03127	0.03116	0.03106	0.03097	0.03089
50	0.03399	0.03371	0.03346	0.03324	0.03304	0.03286	0.03269	0.03254	0.03247	0.03228	0.03216	0.03206	0.03196	0.03187
55	0.03518	0.03489	0.03462	0.03438	0.03417	0.03397	0.03380	0.03364	0.03356	0.03336	0.03323	0.03312	0.03302	0.03292
60	0.03647	0.03615	0.03587	0.03561	0.03538	0.03517	0.03498	0.03481	0.03472	0.03451	0.03438	0.03426	0.03415	0.03404
65	0.03785	0.03751	0.03720	0.03692	0.03667	0.03645	0.03625	0.03606	0.03597	0.03574	0.03560	0.03547	0.03535	0.03524
70	0.03934	0.03897	0.03864	0.03834	0.03807	0.03783	0.03761	0.03741	0.03732	0.03707	0.03691	0.03678	0.03665	0.03653
75	0.04095	0.04055	0.04019	0.03987	0.03958	0.03932	0.03908	0.03887	0.03876	0.03849	0.03833	0.03818	0.03804	0.03791
80	0.04270	0.04226	0.04187	0.04152	0.04121	0.04092	0.04067	0.04044	0.04033	0.04003	0.03986	0.03969	0.03955	0.03941

Fuente: Cuadro 21.

Cuadro 27

AJUSTE DE LA FUNCION UNIFORME A LAS PROBABILIDADES DE SOBREVIVENCIA MASCULINA PROYECTADAS, 1975 - 2040

Hipótesis Baja

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
Probabilidades Observadas														
0	0.92917	0.93727	0.94373	0.94899	0.95336	0.95703	0.96016	0.96286	0.96521	0.96727	0.96909	0.97072	0.97218	0.97349
1	0.97142	0.97434	0.97671	0.97867	0.98031	0.98170	0.98290	0.98394	0.98486	0.98567	0.98638	0.98703	0.98761	0.98814
5	0.99157	0.99241	0.99310	0.99366	0.99414	0.99455	0.99490	0.99520	0.99547	0.99570	0.99536	0.99610	0.99627	0.99643
10	0.99471	0.99524	0.99566	0.99602	0.99631	0.99656	0.99678	0.99697	0.99714	0.99729	0.99746	0.99754	0.99765	0.99774
15	0.99131	0.99215	0.99285	0.99342	0.99391	0.99432	0.99468	0.99499	0.99526	0.99550	0.99572	0.99592	0.99609	0.99625
20	0.98595	0.98729	0.98839	0.98931	0.99008	0.99074	0.99131	0.99181	0.99225	0.99265	0.99299	0.99331	0.99359	0.99385
25	0.98272	0.98433	0.98565	0.98676	0.98769	0.98849	0.98919	0.98980	0.99034	0.99081	0.99124	0.99163	0.99197	0.99229
30	0.97868	0.98061	0.98219	0.98353	0.98466	0.98563	0.98648	0.98722	0.98788	0.98846	0.98899	0.98946	0.98989	0.99028
35	0.97319	0.97552	0.97746	0.97909	0.98048	0.98168	0.98272	0.98364	0.98446	0.98519	0.98584	0.98643	0.98697	0.98746
40	0.96715	0.96988	0.97216	0.97409	0.97574	0.97718	0.97844	0.97954	0.98053	0.98141	0.98220	0.98292	0.98357	0.98417
45	0.95769	0.96101	0.96380	0.96618	0.96824	0.97003	0.97160	0.97300	0.97424	0.97536	0.97637	0.97728	0.97812	0.97888
50	0.94508	0.94909	0.95249	0.95541	0.95795	0.96018	0.96215	0.96390	0.96548	0.96689	0.96818	0.96934	0.97041	0.97139
55	0.92695	0.93178	0.93594	0.93955	0.94272	0.94551	0.94800	0.95023	0.95224	0.95406	0.95572	0.95724	0.95863	0.95991
60	0.89932	0.90514	0.91023	0.91471	0.91868	0.92222	0.92541	0.92828	0.93086	0.93327	0.93545	0.93746	0.93931	0.94102
65	0.85700	0.86383	0.86989	0.87532	0.88021	0.88462	0.88864	0.89230	0.89566	0.89875	0.90161	0.90425	0.90671	0.90900
70	0.79066	0.79808	0.80483	0.81099	0.81665	0.82185	0.82665	0.83109	0.83522	0.83906	0.84265	0.84601	0.84916	0.85212
75	0.68424	0.69101	0.69736	0.70331	0.70889	0.71414	0.71909	0.72374	0.72814	0.73230	0.73625	0.73999	0.74355	0.74693
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parámetros														
a =	-6.48	-5.69	-5.07	-4.57	-4.16	-3.82	-3.53	-3.28	-3.06	-2.88	-2.71	-2.56	-2.43	-2.31
b =	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00
Probabilidades Estimadas														
0	0.92917	0.93727	0.94373	0.94899	0.95336	0.95703	0.96016	0.96286	0.96521	0.96727	0.96909	0.97072	0.97218	0.97349
1	0.91824	0.92624	0.93263	0.93783	0.94214	0.94577	0.94886	0.95153	0.95385	0.95589	0.95769	0.95930	0.96074	0.96204
5	0.87451	0.88214	0.88822	0.89317	0.89728	0.90073	0.90368	0.90622	0.90843	0.91037	0.91208	0.91362	0.91499	0.91623
10	0.81986	0.82700	0.83270	0.83734	0.84120	0.84444	0.84720	0.84958	0.85166	0.85347	0.85508	0.85652	0.85781	0.85896
15	0.76520	0.77187	0.77719	0.78152	0.78512	0.78814	0.79072	0.79294	0.79488	0.79658	0.79807	0.79942	0.80062	0.80170
20	0.71054	0.71674	0.72168	0.72570	0.72904	0.73185	0.73424	0.73630	0.73810	0.73968	0.74107	0.74232	0.74343	0.74443
25	0.65588	0.66160	0.66616	0.66988	0.67296	0.67555	0.67776	0.67967	0.68132	0.68278	0.68406	0.68521	0.68624	0.68717
30	0.60123	0.60647	0.61065	0.61405	0.61688	0.61925	0.62128	0.62303	0.62455	0.62588	0.62706	0.62811	0.62906	0.62991
35	0.54657	0.55134	0.55514	0.55823	0.56080	0.56296	0.56480	0.56639	0.56777	0.56898	0.57005	0.57101	0.57187	0.57264
40	0.49191	0.49620	0.49962	0.50241	0.50472	0.50666	0.50832	0.50975	0.51099	0.51208	0.51305	0.51391	0.51468	0.51538
45	0.43726	0.44107	0.44411	0.44658	0.44864	0.45037	0.45184	0.45311	0.45422	0.45519	0.45604	0.45681	0.45750	0.45811
50	0.38260	0.38593	0.38859	0.39076	0.39256	0.39407	0.39536	0.39647	0.39744	0.39829	0.39904	0.39971	0.40031	0.40085
55	0.32794	0.33080	0.33308	0.33494	0.33648	0.33778	0.33888	0.33983	0.34066	0.34139	0.34203	0.34261	0.34312	0.34358
60	0.27329	0.27567	0.27757	0.27911	0.28040	0.28148	0.28240	0.28319	0.28389	0.28449	0.28503	0.28551	0.28594	0.28632
65	0.21863	0.22053	0.22205	0.22329	0.22432	0.22518	0.22592	0.22656	0.22711	0.22759	0.22802	0.22840	0.22875	0.22906
70	0.16397	0.16540	0.16654	0.16747	0.16824	0.16889	0.16944	0.16992	0.17033	0.17069	0.17102	0.17130	0.17156	0.17179
75	0.10931	0.11027	0.11103	0.11165	0.11216	0.11259	0.11296	0.11328	0.11355	0.11380	0.11401	0.11420	0.11437	0.11453
80	0.05466	0.05513	0.05551	0.05582	0.05608	0.05630	0.05648	0.05664	0.05678	0.05690	0.05701	0.05710	0.05719	0.05726

Cuadro 27
(Continuación)

AJUSTE DE LA FUNCION UNIFORME A LAS PROBABILIDADES DE SOBREVIVENCIA MASCULINA PROYECTADAS, 1975 - 2040

Hipótesis Baja

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
							Fuerza de Mortalidad							
0	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176
1	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190
5	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250
10	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333
15	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429
20	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538
25	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667
30	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818
35	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000
40	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222
45	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500
50	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857
55	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333
60	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000
65	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000
70	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667
75	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000
80	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000
							Probabilidades Estimadas							
0	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176
1	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762
5	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250
10	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667
15	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143
20	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692
25	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333
30	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091
35	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000
40	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111
45	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500
50	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286
55	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667
60	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000
65	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000
70	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333
75	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000
80	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000

Fuente: Cuadro 21.

Cuadro 27'

AJUSTE DE LA FUNCION UNIFORME A LAS PROBABILIDADES DE SOBREVIVENCIA MASCULINA PROYECTADAS, 1975 - 2040

Hipótesis Baja

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
Probabilidades Observadas														
0	0.92917	0.93727	0.94373	0.94899	0.95336	0.95703	0.96016	0.96286	0.96521	0.96727	0.96909	0.97072	0.97218	0.97349
1	0.97142	0.97434	0.97671	0.97867	0.98031	0.98170	0.98290	0.98394	0.98486	0.98567	0.98638	0.98703	0.98761	0.98814
5	0.99157	0.99241	0.99310	0.99366	0.99414	0.99455	0.99490	0.99520	0.99547	0.99570	0.99536	0.99610	0.99627	0.99643
10	0.99471	0.99524	0.99566	0.99602	0.99631	0.99656	0.99678	0.99697	0.99714	0.99729	0.99746	0.99754	0.99765	0.99774
15	0.99131	0.99215	0.99285	0.99342	0.99391	0.99432	0.99468	0.99499	0.99526	0.99550	0.99572	0.99592	0.99609	0.99625
20	0.98595	0.98729	0.98839	0.98931	0.99008	0.99074	0.99131	0.99181	0.99225	0.99265	0.99299	0.99331	0.99359	0.99385
25	0.98272	0.98433	0.98565	0.98676	0.98769	0.98849	0.98919	0.98980	0.99034	0.99081	0.99124	0.99163	0.99197	0.99229
30	0.97868	0.98061	0.98219	0.98353	0.98466	0.98563	0.98648	0.98722	0.98788	0.98846	0.98899	0.98946	0.98989	0.99028
35	0.97319	0.97552	0.97746	0.97909	0.98048	0.98168	0.98272	0.98364	0.98446	0.98519	0.98584	0.98643	0.98697	0.98746
40	0.96715	0.96988	0.97216	0.97409	0.97574	0.97718	0.97844	0.97954	0.98053	0.98141	0.98220	0.98292	0.98357	0.98417
45	0.95769	0.96101	0.96380	0.96618	0.96824	0.97003	0.97160	0.97300	0.97424	0.97536	0.97637	0.97728	0.97812	0.97888
50	0.94508	0.94909	0.95249	0.95541	0.95795	0.96018	0.96215	0.96390	0.96548	0.96689	0.96818	0.96934	0.97041	0.97139
55	0.92695	0.93178	0.93594	0.93955	0.94272	0.94551	0.94800	0.95023	0.95224	0.95406	0.95572	0.95724	0.95863	0.95991
60	0.89932	0.90514	0.91023	0.91471	0.91868	0.92222	0.92541	0.92828	0.93086	0.93327	0.93545	0.93746	0.93931	0.94102
65	0.85700	0.86383	0.86989	0.87532	0.88021	0.88462	0.88864	0.89230	0.89566	0.89875	0.90161	0.90425	0.90671	0.90900
70	0.79066	0.79808	0.80483	0.81099	0.81665	0.82185	0.82665	0.83109	0.83522	0.83906	0.84265	0.84601	0.84916	0.85212
75	0.68424	0.69101	0.69736	0.70331	0.70889	0.71414	0.71909	0.72374	0.72814	0.73230	0.73625	0.73999	0.74355	0.74693
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parámetros														
a =	15.87	16.36	16.76	17.10	17.39	17.63	17.85	18.04	18.22	18.37	18.50	18.64	18.75	18.86
b =	197.75	199.45	201.11	202.70	204.22	205.67	207.06	208.38	209.63	210.82	212.01	213.05	214.08	215.07
Probabilidades Estimadas														
0	1.08728	1.08935	1.09092	1.09212	1.09305	1.09378	1.09435	1.09480	1.09517	1.09545	1.09560	1.09586	1.09600	1.09611
1	1.08178	1.08389	1.08550	1.08673	1.08770	1.08846	1.08907	1.08955	1.08994	1.09026	1.09043	1.09072	1.09088	1.09102
5	1.05979	1.06205	1.06380	1.06518	1.06629	1.06719	1.06792	1.06853	1.06905	1.06947	1.06976	1.07014	1.07041	1.07063
10	1.03230	1.03474	1.03667	1.03824	1.03953	1.04060	1.04150	1.04226	1.04293	1.04349	1.04392	1.04442	1.04481	1.04515
15	1.00481	1.00743	1.00955	1.01130	1.01277	1.01401	1.01507	1.01599	1.01680	1.01751	1.01808	1.01871	1.01921	1.01967
20	0.97732	0.98012	0.98243	0.98436	0.98601	0.98742	0.98865	0.98972	0.99068	0.99153	0.99224	0.99299	0.99361	0.99418
25	0.94983	0.95281	0.95531	0.95742	0.95924	0.96083	0.96222	0.96345	0.96456	0.96555	0.96640	0.96727	0.96802	0.96870
30	0.92234	0.92550	0.92818	0.93048	0.93248	0.93424	0.93580	0.93718	0.93844	0.93957	0.94056	0.94155	0.94242	0.94322
35	0.89485	0.89820	0.90106	0.90354	0.90572	0.90765	0.90937	0.91091	0.91232	0.91359	0.91473	0.91583	0.91682	0.91774
40	0.86735	0.87089	0.87394	0.87660	0.87896	0.88106	0.88294	0.88464	0.88619	0.88761	0.88889	0.89011	0.89122	0.89225
45	0.83986	0.84358	0.84682	0.84966	0.85220	0.85447	0.85652	0.85837	0.86007	0.86163	0.86305	0.86439	0.86563	0.86677
50	0.81237	0.81627	0.81969	0.82273	0.82544	0.82788	0.83009	0.83210	0.83395	0.83565	0.83721	0.83867	0.84003	0.84129
55	0.78488	0.78896	0.79257	0.79579	0.79868	0.80129	0.80367	0.80583	0.80783	0.80967	0.81137	0.81296	0.81443	0.81581
60	0.75739	0.76165	0.76545	0.76885	0.77191	0.77470	0.77724	0.77956	0.78171	0.78369	0.78553	0.78724	0.78883	0.79033
65	0.72990	0.73435	0.73832	0.74191	0.74515	0.74811	0.75081	0.75329	0.75558	0.75771	0.75969	0.76152	0.76324	0.76484
70	0.70241	0.70704	0.71120	0.71497	0.71839	0.72152	0.72439	0.72702	0.72946	0.73173	0.73386	0.73580	0.73764	0.73936
75	0.67492	0.67973	0.68408	0.68803	0.69163	0.69493	0.69796	0.70075	0.70334	0.70575	0.70802	0.71008	0.71204	0.71388
80	0.64743	0.65242	0.65696	0.66109	0.66487	0.66834	0.67154	0.67448	0.67722	0.67977	0.68218	0.68436	0.68644	0.68840

Cuadro 27'
(Continuación)

AJUSTE DE LA FUNCION UNIFORME A LAS PROBABILIDADES DE SOBREVIVENCIA MASCULINA PROYECTADAS, 1975 - 2040

Hipótesis Alta

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
Fuerza de Mortalidad														
0	0.00506	0.00501	0.00497	0.00493	0.00490	0.00486	0.00483	0.00480	0.00477	0.00474	0.00472	0.00469	0.00467	0.00465
1	0.00508	0.00504	0.00500	0.00496	0.00492	0.00489	0.00485	0.00482	0.00479	0.00477	0.00474	0.00472	0.00469	0.00467
5	0.00519	0.00514	0.00510	0.00506	0.00502	0.00498	0.00495	0.00492	0.00489	0.00486	0.00483	0.00481	0.00478	0.00476
10	0.00533	0.00528	0.00523	0.00519	0.00515	0.00511	0.00507	0.00504	0.00501	0.00498	0.00495	0.00492	0.00490	0.00488
15	0.00547	0.00542	0.00537	0.00533	0.00528	0.00524	0.00521	0.00517	0.00514	0.00511	0.00508	0.00505	0.00502	0.00500
20	0.00563	0.00557	0.00552	0.00547	0.00543	0.00539	0.00535	0.00531	0.00527	0.00524	0.00521	0.00518	0.00515	0.00513
25	0.00579	0.00573	0.00568	0.00563	0.00558	0.00553	0.00549	0.00545	0.00542	0.00538	0.00535	0.00532	0.00529	0.00526
30	0.00596	0.00590	0.00584	0.00579	0.00574	0.00569	0.00565	0.00561	0.00557	0.00553	0.00549	0.00546	0.00543	0.00540
35	0.00614	0.00608	0.00602	0.00596	0.00591	0.00586	0.00581	0.00577	0.00573	0.00569	0.00565	0.00562	0.00558	0.00555
40	0.00634	0.00627	0.00621	0.00615	0.00609	0.00604	0.00599	0.00594	0.00590	0.00585	0.00581	0.00578	0.00574	0.00571
45	0.00655	0.00647	0.00641	0.00634	0.00628	0.00622	0.00617	0.00612	0.00607	0.00603	0.00599	0.00595	0.00591	0.00588
50	0.00677	0.00669	0.00662	0.00655	0.00648	0.00642	0.00637	0.00631	0.00626	0.00622	0.00617	0.00613	0.00609	0.00606
55	0.00701	0.00692	0.00684	0.00677	0.00670	0.00664	0.00658	0.00652	0.00647	0.00642	0.00637	0.00633	0.00629	0.00625
60	0.00726	0.00717	0.00709	0.00701	0.00693	0.00686	0.00680	0.00674	0.00668	0.00663	0.00658	0.00653	0.00649	0.00645
65	0.00753	0.00744	0.00735	0.00726	0.00718	0.00711	0.00704	0.00697	0.00691	0.00686	0.00680	0.00675	0.00671	0.00666
70	0.00783	0.00772	0.00763	0.00754	0.00745	0.00737	0.00730	0.00723	0.00716	0.00710	0.00704	0.00699	0.00694	0.00689
75	0.00815	0.00804	0.00793	0.00783	0.00774	0.00765	0.00757	0.00750	0.00743	0.00736	0.00730	0.00724	0.00719	0.00714
80	0.00849	0.00837	0.00826	0.00815	0.00805	0.00796	0.00787	0.00779	0.00771	0.00764	0.00758	0.00752	0.00746	0.00740
Probabilidad Condicional de Fallecer														
0	0.00506	0.00501	0.00497	0.00493	0.00490	0.00486	0.00483	0.00480	0.00477	0.00474	0.00472	0.00469	0.00467	0.00465
1	0.02033	0.02016	0.01999	0.01983	0.01968	0.01954	0.01941	0.01929	0.01917	0.01906	0.01896	0.01886	0.01877	0.01869
5	0.02594	0.02571	0.02550	0.02529	0.02510	0.02492	0.02475	0.02459	0.02443	0.02429	0.02415	0.02403	0.02391	0.02380
10	0.02663	0.02639	0.02616	0.02595	0.02574	0.02555	0.02537	0.02520	0.02505	0.02490	0.02475	0.02462	0.02450	0.02438
15	0.02736	0.02711	0.02687	0.02664	0.02642	0.02622	0.02603	0.02586	0.02569	0.02553	0.02538	0.02525	0.02511	0.02499
20	0.02813	0.02786	0.02761	0.02737	0.02714	0.02693	0.02673	0.02654	0.02637	0.02620	0.02604	0.02590	0.02576	0.02563
25	0.02894	0.02866	0.02839	0.02814	0.02790	0.02767	0.02745	0.02727	0.02708	0.02691	0.02674	0.02659	0.02644	0.02631
30	0.02981	0.02951	0.02922	0.02895	0.02870	0.02846	0.02824	0.02803	0.02784	0.02765	0.02747	0.02732	0.02716	0.02702
35	0.03072	0.03040	0.03010	0.02982	0.02955	0.02930	0.02906	0.02884	0.02863	0.02844	0.02825	0.02808	0.02792	0.02777
40	0.03169	0.03136	0.03104	0.03073	0.03045	0.03018	0.02993	0.02970	0.02948	0.02927	0.02907	0.02889	0.02872	0.02856
45	0.03273	0.03237	0.03203	0.03171	0.03140	0.03112	0.03085	0.03060	0.03037	0.03015	0.02994	0.02975	0.02957	0.02940
50	0.03384	0.03346	0.03309	0.03274	0.03242	0.03212	0.03183	0.03157	0.03132	0.03109	0.03086	0.03067	0.03047	0.03029
55	0.03503	0.03461	0.03422	0.03385	0.03351	0.03318	0.03288	0.03260	0.03234	0.03209	0.03185	0.03164	0.03143	0.03124
60	0.03630	0.03585	0.03543	0.03504	0.03467	0.03432	0.03400	0.03370	0.03342	0.03315	0.03289	0.03267	0.03245	0.03224
65	0.03766	0.03719	0.03674	0.03631	0.03591	0.03554	0.03520	0.03487	0.03457	0.03429	0.03401	0.03377	0.03354	0.03332
70	0.03914	0.03862	0.03814	0.03768	0.03725	0.03685	0.03648	0.03613	0.03581	0.03551	0.03521	0.03495	0.03470	0.03447
75	0.04073	0.04018	0.03965	0.03915	0.03869	0.03826	0.03786	0.03749	0.03714	0.03681	0.03649	0.03622	0.03595	0.03570
80	0.04246	0.04186	0.04129	0.04075	0.04025	0.03979	0.03935	0.03895	0.03857	0.03822	0.03788	0.03758	0.03729	0.03702

Fuente: Cuadro 24.

Cuadro 28

AJUSTE DE LA FUNCION UNIFORME A LAS PROBABILIDADES DE SOBREVIVENCIA FEMENINAS PROYECTADAS, 1980 - 2040

Hipótesis Alta

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
Probabilidades Observadas													
0	0.95126	0.95671	0.96098	0.96437	0.96709	0.96931	0.97115	0.97267	0.97395	0.97503	0.97596	0.97675	0.97744
1	0.97420	0.97677	0.97881	0.98044	0.98176	0.98284	0.98373	0.98448	0.98510	0.98563	0.98607	0.98646	0.98679
5	0.99312	0.99379	0.99432	0.99474	0.99509	0.99537	0.99560	0.99580	0.99596	0.99610	0.99621	0.99631	0.99640
10	0.99628	0.99664	0.99693	0.99715	0.99734	0.99749	0.99762	0.99772	0.99781	0.99788	0.99794	0.99800	0.99804
15	0.99478	0.99528	0.99568	0.99599	0.99625	0.99646	0.99664	0.99678	0.99691	0.99701	0.99710	0.99717	0.99723
20	0.99195	0.99271	0.99332	0.99380	0.99419	0.99452	0.99479	0.99501	0.99519	0.99535	0.99548	0.99560	0.99570
25	0.98956	0.99053	0.99130	0.99192	0.99242	0.99284	0.99318	0.99347	0.99370	0.99391	0.99408	0.99422	0.99435
30	0.98672	0.98792	0.98888	0.98966	0.99029	0.99081	0.99124	0.99160	0.99190	0.99215	0.99236	0.99255	0.99270
35	0.98337	0.98484	0.98601	0.98696	0.98774	0.98838	0.98891	0.98935	0.98972	0.99003	0.99030	0.99052	0.99071
40	0.97983	0.98185	0.98294	0.98406	0.98499	0.98574	0.98637	0.98690	0.98734	0.98771	0.98802	0.98829	0.98852
45	0.97363	0.97580	0.97755	0.97897	0.98014	0.98111	0.98191	0.98258	0.98314	0.98361	0.98401	0.98435	0.98464
50	0.96346	0.96630	0.96862	0.97051	0.97207	0.97336	0.97444	0.97533	0.97609	0.97672	0.97725	0.97771	0.97810
55	0.94890	0.95260	0.95563	0.95813	0.96020	0.96192	0.96335	0.96455	0.96556	0.96640	0.96712	0.96772	0.96823
60	0.92597	0.93080	0.93481	0.93815	0.94092	0.94324	0.94517	0.94680	0.94816	0.94931	0.95027	0.95109	0.95177
65	0.88877	0.89501	0.90026	0.90467	0.90837	0.91148	0.91409	0.91628	0.91812	0.91966	0.92096	0.92205	0.92296
70	0.82649	0.83412	0.84065	0.84623	0.85096	0.85496	0.85834	0.86118	0.86356	0.86555	0.86721	0.86859	0.86973
75	0.71913	0.72719	0.73425	0.74038	0.74565	0.75014	0.75394	0.75712	0.75978	0.76197	0.76376	0.76521	0.76635
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parámetros													
a =	-4.36	-3.85	-3.45	-3.14	-2.89	-2.69	-2.53	-2.39	-2.27	-2.18	-2.09	-2.02	-1.96
b =	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00
Probabilidades Estimadas													
0	0.95126	0.95671	0.96098	0.96437	0.96709	0.96931	0.97115	0.97267	0.97395	0.97503	0.97596	0.97675	0.97744
1	0.94007	0.94545	0.94967	0.95302	0.95571	0.95791	0.95972	0.96123	0.96249	0.96356	0.96448	0.96526	0.96594
5	0.89530	0.90043	0.90445	0.90764	0.91020	0.91229	0.91402	0.91545	0.91666	0.91768	0.91855	0.91929	0.91994
10	0.83935	0.84416	0.84792	0.85091	0.85331	0.85527	0.85690	0.85824	0.85937	0.86032	0.86114	0.86184	0.86245
15	0.78339	0.78788	0.79140	0.79419	0.79643	0.79826	0.79977	0.80102	0.80208	0.80297	0.80373	0.80438	0.80495
20	0.72743	0.73160	0.73487	0.73746	0.73954	0.74124	0.74264	0.74381	0.74479	0.74561	0.74632	0.74693	0.74745
25	0.67148	0.67532	0.67834	0.68073	0.68265	0.68422	0.68552	0.68659	0.68749	0.68826	0.68891	0.68947	0.68996
30	0.61552	0.61905	0.62181	0.62400	0.62576	0.62720	0.62839	0.62937	0.63020	0.63090	0.63150	0.63201	0.63246
35	0.55956	0.56277	0.56528	0.56728	0.56888	0.57018	0.57126	0.57216	0.57291	0.57355	0.57409	0.57456	0.57496
40	0.50361	0.50649	0.50875	0.51055	0.51199	0.51316	0.51414	0.51494	0.51562	0.51619	0.51668	0.51710	0.51747
45	0.44765	0.45022	0.45223	0.45382	0.45510	0.45615	0.45701	0.45773	0.45833	0.45884	0.45928	0.45965	0.45997
50	0.39170	0.39394	0.39570	0.39709	0.39821	0.39913	0.39989	0.40051	0.40104	0.40148	0.40187	0.40219	0.40248
55	0.33574	0.33766	0.33917	0.34037	0.34133	0.34211	0.34276	0.34330	0.34375	0.34413	0.34446	0.34474	0.34498
60	0.27978	0.28139	0.28264	0.28364	0.28444	0.28509	0.28563	0.28608	0.28646	0.28677	0.28705	0.28728	0.28748
65	0.22383	0.22511	0.22611	0.22691	0.22755	0.22807	0.22851	0.22886	0.22916	0.22942	0.22964	0.22982	0.22999
70	0.16787	0.16883	0.16958	0.17018	0.17066	0.17105	0.17138	0.17165	0.17187	0.17206	0.17223	0.17237	0.17249
75	0.11191	0.11255	0.11306	0.11346	0.11378	0.11404	0.11425	0.11443	0.11458	0.11471	0.11482	0.11491	0.11499
80	0.05596	0.05628	0.05653	0.05673	0.05689	0.05702	0.05713	0.05722	0.05729	0.05735	0.05741	0.05746	0.05750

Cuadro 28
(Continuación)

AJUSTE DE LA FUNCION UNIFORME A LAS PROBABILIDADES DE SOBREVIVENCIA FEMENINAS PROYECTADAS, 1980 - 2040

Hipótesis Alta

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
						Fuerza de Mortalidad							
0	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176
1	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190
5	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250
10	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333
15	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429
20	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538
25	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667
30	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818
35	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000
40	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222
45	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500
50	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857
55	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333
60	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000
65	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000
70	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667
75	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000
80	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000
						Probabilidad Condicional de Fallecer							
0	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176
1	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762
5	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250
10	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667
15	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143
20	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692
25	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333
30	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091
35	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000
40	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111
45	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500
50	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286
55	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667
60	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000
65	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000
70	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333
75	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000
80	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000

Fuente: Cuadro 25.

Cuadro 28'

AJUSTE DE LA FUNCION UNIFORME A LAS PROBABILIDADES DE SOBREVIVENCIA FEMENINAS PROYECTADAS, 1980 - 2040

Hipótesis Alta

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
Probabilidades Observadas													
0	0.95126	0.95671	0.96098	0.96437	0.96709	0.96931	0.97115	0.97267	0.97395	0.97503	0.97596	0.97675	0.97744
1	0.97420	0.97677	0.97881	0.98044	0.98176	0.98284	0.98373	0.98448	0.98510	0.98563	0.98607	0.98646	0.98679
5	0.99312	0.99379	0.99432	0.99474	0.99509	0.99537	0.99560	0.99580	0.99596	0.99610	0.99621	0.99631	0.99640
10	0.99628	0.99664	0.99693	0.99715	0.99734	0.99749	0.99762	0.99772	0.99781	0.99788	0.99794	0.99800	0.99804
15	0.99478	0.99528	0.99568	0.99599	0.99625	0.99646	0.99664	0.99678	0.99691	0.99701	0.99710	0.99717	0.99723
20	0.99195	0.99271	0.99332	0.99380	0.99419	0.99452	0.99479	0.99501	0.99519	0.99535	0.99548	0.99560	0.99570
25	0.98956	0.99053	0.99130	0.99192	0.99242	0.99284	0.99318	0.99347	0.99370	0.99391	0.99408	0.99422	0.99435
30	0.98672	0.98792	0.98888	0.98966	0.99029	0.99081	0.99124	0.99160	0.99190	0.99215	0.99236	0.99255	0.99270
35	0.98337	0.98484	0.98601	0.98696	0.98774	0.98838	0.98891	0.98935	0.98972	0.99003	0.99030	0.99052	0.99071
40	0.97983	0.98185	0.98294	0.98406	0.98499	0.98574	0.98637	0.98690	0.98734	0.98771	0.98802	0.98829	0.98852
45	0.97363	0.97580	0.97755	0.97897	0.98014	0.98111	0.98191	0.98258	0.98314	0.98361	0.98401	0.98435	0.98464
50	0.96346	0.96630	0.96862	0.97051	0.97207	0.97336	0.97444	0.97533	0.97609	0.97672	0.97725	0.97771	0.97810
55	0.94890	0.95260	0.95563	0.95813	0.96020	0.96192	0.96335	0.96455	0.96556	0.96640	0.96712	0.96772	0.96823
60	0.92597	0.93080	0.93481	0.93815	0.94092	0.94324	0.94517	0.94680	0.94816	0.94931	0.95027	0.95109	0.95177
65	0.88877	0.89501	0.90026	0.90467	0.90837	0.91148	0.91409	0.91628	0.91812	0.91966	0.92096	0.92205	0.92296
70	0.82649	0.83412	0.84065	0.84623	0.85096	0.85496	0.85834	0.86118	0.86356	0.86555	0.86721	0.86859	0.86973
75	0.71913	0.72719	0.73425	0.74038	0.74565	0.75014	0.75394	0.75712	0.75978	0.76197	0.76376	0.76521	0.76635
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parámetros													
a =	17.47	17.84	18.13	18.37	18.56	18.73	18.86	18.98	19.08	19.16	19.23	19.29	19.34
b =	209.08	211.21	213.11	214.79	216.26	217.52	218.60	219.52	220.29	220.94	221.48	221.92	222.27
Probabilidades Estimadas													
0	1.09120	1.09225	1.09298	1.09351	1.09390	1.09420	1.09444	1.09463	1.09480	1.09494	1.09507	1.09519	1.09530
1	1.08598	1.08708	1.08785	1.08841	1.08884	1.08917	1.08943	1.08965	1.08983	1.08999	1.09012	1.09025	1.09037
5	1.06511	1.06640	1.06733	1.06805	1.06861	1.06905	1.06941	1.06970	1.06995	1.07016	1.07035	1.07051	1.07066
10	1.03901	1.04054	1.04169	1.04260	1.04332	1.04390	1.04437	1.04477	1.04510	1.04538	1.04562	1.04584	1.04602
15	1.01292	1.01468	1.01605	1.01714	1.01802	1.01875	1.01934	1.01984	1.02025	1.02060	1.02090	1.02116	1.02139
20	0.98682	0.98883	0.99040	0.99169	0.99273	0.99359	0.99431	0.99490	0.99540	0.99582	0.99618	0.99649	0.99675
25	0.96072	0.96297	0.96476	0.96623	0.96744	0.96844	0.96928	0.96997	0.97055	0.97105	0.97146	0.97181	0.97211
30	0.93463	0.93711	0.93912	0.94078	0.94215	0.94329	0.94424	0.94504	0.94571	0.94627	0.94674	0.94714	0.94747
35	0.90853	0.91126	0.91347	0.91532	0.91686	0.91814	0.91921	0.92011	0.92086	0.92149	0.92201	0.92246	0.92283
40	0.88244	0.88540	0.88783	0.88987	0.89157	0.89299	0.89418	0.89517	0.89601	0.89671	0.89729	0.89778	0.89819
45	0.85634	0.85954	0.86219	0.86441	0.86627	0.86784	0.86915	0.87024	0.87116	0.87193	0.87257	0.87311	0.87355
50	0.83025	0.83368	0.83654	0.83896	0.84098	0.84269	0.84411	0.84531	0.84631	0.84715	0.84785	0.84843	0.84892
55	0.80415	0.80783	0.81090	0.81350	0.81569	0.81753	0.81908	0.82038	0.82146	0.82237	0.82313	0.82376	0.82428
60	0.77805	0.78197	0.78525	0.78805	0.79040	0.79238	0.79405	0.79544	0.79662	0.79759	0.79841	0.79908	0.79964
65	0.75196	0.75611	0.75961	0.76259	0.76511	0.76723	0.76902	0.77051	0.77177	0.77281	0.77368	0.77441	0.77500
70	0.72586	0.73026	0.73397	0.73714	0.73982	0.74208	0.74398	0.74558	0.74692	0.74803	0.74896	0.74973	0.75036
75	0.69977	0.70440	0.70832	0.71168	0.71452	0.71693	0.71895	0.72065	0.72207	0.72325	0.72424	0.72506	0.72572
80	0.67367	0.67854	0.68268	0.68623	0.68923	0.69178	0.69392	0.69571	0.69722	0.69847	0.69952	0.70038	0.70109

Cuadro 28'
(Continuación)

AJUSTE DE LA FUNCION UNIFORME A LAS PROBABILIDADES DE SOBREVIVENCIA FEMENINAS PROYECTADAS, 1980 - 2040

Hipótesis Alta

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
						Fuerza de Mortalidad							
0	0.00478	0.00473	0.00469	0.00466	0.00462	0.00460	0.00457	0.00456	0.00454	0.00453	0.00452	0.00451	0.00450
1	0.00481	0.00476	0.00471	0.00468	0.00465	0.00462	0.00460	0.00458	0.00456	0.00455	0.00454	0.00453	0.00452
5	0.00490	0.00485	0.00481	0.00477	0.00473	0.00471	0.00468	0.00466	0.00464	0.00463	0.00462	0.00461	0.00460
10	0.00502	0.00497	0.00492	0.00488	0.00485	0.00482	0.00479	0.00477	0.00476	0.00474	0.00473	0.00472	0.00471
15	0.00515	0.00510	0.00505	0.00501	0.00497	0.00494	0.00491	0.00489	0.00487	0.00486	0.00484	0.00483	0.00482
20	0.00529	0.00523	0.00518	0.00513	0.00510	0.00506	0.00504	0.00501	0.00499	0.00498	0.00496	0.00495	0.00494
25	0.00543	0.00537	0.00532	0.00527	0.00523	0.00519	0.00517	0.00514	0.00512	0.00510	0.00509	0.00508	0.00507
30	0.00558	0.00552	0.00546	0.00541	0.00537	0.00533	0.00530	0.00528	0.00526	0.00524	0.00522	0.00521	0.00520
35	0.00574	0.00568	0.00561	0.00556	0.00552	0.00548	0.00545	0.00542	0.00540	0.00538	0.00536	0.00535	0.00534
40	0.00591	0.00584	0.00578	0.00572	0.00567	0.00563	0.00560	0.00557	0.00555	0.00553	0.00551	0.00550	0.00549
45	0.00609	0.00602	0.00595	0.00589	0.00584	0.00580	0.00576	0.00573	0.00570	0.00568	0.00567	0.00565	0.00564
50	0.00629	0.00620	0.00613	0.00607	0.00601	0.00597	0.00593	0.00590	0.00587	0.00585	0.00583	0.00582	0.00580
55	0.00649	0.00640	0.00632	0.00626	0.00620	0.00615	0.00611	0.00608	0.00605	0.00603	0.00601	0.00599	0.00598
60	0.00671	0.00661	0.00653	0.00646	0.00640	0.00635	0.00631	0.00627	0.00624	0.00621	0.00619	0.00618	0.00616
65	0.00694	0.00684	0.00675	0.00668	0.00661	0.00656	0.00651	0.00647	0.00644	0.00641	0.00639	0.00637	0.00636
70	0.00719	0.00708	0.00699	0.00691	0.00684	0.00678	0.00673	0.00669	0.00665	0.00663	0.00660	0.00658	0.00657
75	0.00746	0.00734	0.00724	0.00715	0.00708	0.00702	0.00696	0.00692	0.00688	0.00685	0.00683	0.00681	0.00679
80	0.00775	0.00762	0.00751	0.00742	0.00734	0.00727	0.00721	0.00717	0.00713	0.00710	0.00707	0.00705	0.00703
						Probabilidad Condicional de Fallecer							
0	0.00478	0.00473	0.00469	0.00466	0.00462	0.00460	0.00457	0.00456	0.00454	0.00453	0.00452	0.00451	0.00450
1	0.01922	0.01903	0.01886	0.01871	0.01858	0.01847	0.01838	0.01830	0.01824	0.01819	0.01814	0.01811	0.01808
5	0.02450	0.02425	0.02403	0.02383	0.02367	0.02353	0.02341	0.02331	0.02322	0.02315	0.02310	0.02305	0.02301
10	0.02512	0.02485	0.02462	0.02442	0.02424	0.02409	0.02397	0.02386	0.02378	0.02370	0.02364	0.02359	0.02355
15	0.02576	0.02548	0.02524	0.02503	0.02484	0.02469	0.02456	0.02445	0.02436	0.02428	0.02422	0.02416	0.02412
20	0.02644	0.02615	0.02589	0.02567	0.02548	0.02531	0.02518	0.02506	0.02496	0.02488	0.02482	0.02476	0.02472
25	0.02716	0.02685	0.02658	0.02634	0.02614	0.02597	0.02583	0.02570	0.02560	0.02552	0.02545	0.02539	0.02535
30	0.02792	0.02759	0.02731	0.02706	0.02684	0.02666	0.02651	0.02638	0.02628	0.02619	0.02611	0.02605	0.02600
35	0.02872	0.02838	0.02807	0.02781	0.02759	0.02739	0.02723	0.02710	0.02698	0.02689	0.02681	0.02675	0.02670
40	0.02957	0.02920	0.02888	0.02861	0.02837	0.02817	0.02800	0.02785	0.02773	0.02763	0.02755	0.02748	0.02743
45	0.03047	0.03008	0.02974	0.02945	0.02920	0.02898	0.02880	0.02865	0.02852	0.02842	0.02833	0.02826	0.02820
50	0.03143	0.03102	0.03065	0.03034	0.03007	0.02985	0.02966	0.02950	0.02936	0.02925	0.02916	0.02908	0.02902
55	0.03245	0.03201	0.03162	0.03129	0.03101	0.03077	0.03056	0.03039	0.03025	0.03013	0.03003	0.02995	0.02989
60	0.03354	0.03307	0.03266	0.03230	0.03200	0.03174	0.03153	0.03134	0.03119	0.03107	0.03096	0.03088	0.03081
65	0.03470	0.03420	0.03376	0.03338	0.03306	0.03278	0.03255	0.03236	0.03220	0.03206	0.03195	0.03186	0.03179
70	0.03595	0.03541	0.03494	0.03453	0.03419	0.03389	0.03365	0.03344	0.03327	0.03313	0.03301	0.03291	0.03284
75	0.03729	0.03671	0.03620	0.03577	0.03540	0.03508	0.03482	0.03460	0.03441	0.03426	0.03413	0.03403	0.03395
80	0.03874	0.03811	0.03756	0.03709	0.03670	0.03636	0.03607	0.03584	0.03564	0.03548	0.03534	0.03523	0.03514

Fuente: Cuadro 25.

Cuadro 29

AJUSTE DE LA FUNCION UNIFORME A LAS PROBABILIDADES DE SOBREVIVENCIA FEMENINAS PROYECTADAS, 1980 - 2040

Hipótesis Baja

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
Probabilidades Observadas													
0	0.95351	0.95970	0.96461	0.96855	0.97174	0.97436	0.97653	0.97835	0.97988	0.98117	0.98229	0.98324	0.98407
1	0.97536	0.97834	0.98074	0.98269	0.98430	0.98562	0.98673	0.98766	0.98845	0.98913	0.98970	0.99020	0.99064
5	0.99342	0.99420	0.99483	0.99535	0.99577	0.99612	0.99641	0.99666	0.99687	0.99704	0.99720	0.99733	0.99745
10	0.99645	0.99687	0.99720	0.99748	0.99771	0.99790	0.99805	0.99819	0.99830	0.99839	0.99848	0.99855	0.99861
15	0.99501	0.99560	0.99607	0.99645	0.99677	0.99703	0.99725	0.99744	0.99760	0.99773	0.99785	0.99795	0.99803
20	0.99231	0.99320	0.99391	0.99450	0.99499	0.99539	0.99573	0.99602	0.99626	0.99647	0.99665	0.99680	0.99694
25	0.99002	0.99115	0.99207	0.99283	0.99345	0.99398	0.99441	0.99478	0.99510	0.99537	0.99560	0.99580	0.99897
30	0.98729	0.98870	0.98986	0.99081	0.99160	0.99226	0.99281	0.99328	0.99368	0.99402	0.99431	0.99457	0.99479
35	0.98408	0.98581	0.98723	0.98840	0.98938	0.99019	0.99088	0.99147	0.99196	0.99239	0.99276	0.99307	0.99335
40	0.98067	0.98271	0.98440	0.98580	0.98696	0.98794	0.98877	0.98947	0.99007	0.99059	0.99103	0.99142	0.99175
45	0.97470	0.97728	0.97943	0.98121	0.98271	0.98398	0.98504	0.98595	0.98673	0.98740	0.98798	0.98848	0.98892
50	0.96489	0.96831	0.97117	0.97357	0.97560	0.97731	0.97877	0.98002	0.98109	0.98201	0.98281	0.98350	0.98410
55	0.95079	0.95529	0.95909	0.96232	0.96505	0.96738	0.96938	0.97109	0.97256	0.97384	0.97494	0.97590	0.97674
60	0.92851	0.93448	0.93959	0.94398	0.94775	0.95099	0.95377	0.95618	0.95826	0.96007	0.96165	0.96302	0.96422
65	0.89219	0.90003	0.90689	0.91288	0.91809	0.92262	0.92657	0.93001	0.93301	0.93563	0.93792	0.93993	0.94169
70	0.83097	0.84078	0.84966	0.85758	0.86463	0.87087	0.87638	0.88124	0.88553	0.88932	0.89265	0.89559	0.89818
75	0.72492	0.73525	0.74545	0.75486	0.76346	0.77127	0.77833	0.78467	0.79036	0.79543	0.79996	0.80398	0.80756
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parámetros													
a =	-4.14	-3.57	-3.12	-2.76	-2.47	-2.24	-2.04	-1.88	-1.75	-1.63	-1.53	-1.45	-1.38
b =	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00
Probabilidades Estimadas													
0	0.95351	0.95970	0.96461	0.96855	0.97174	0.97436	0.97653	0.97835	0.97988	0.98117	0.98229	0.98324	0.98407
1	0.94229	0.94841	0.95326	0.95716	0.96031	0.96290	0.96504	0.96684	0.96835	0.96963	0.97073	0.97167	0.97249
5	0.89742	0.90325	0.90787	0.91158	0.91458	0.91704	0.91909	0.92080	0.92224	0.92345	0.92451	0.92540	0.92618
10	0.84133	0.84679	0.85113	0.85460	0.85742	0.85973	0.86164	0.86325	0.86460	0.86574	0.86673	0.86756	0.86830
15	0.78524	0.79034	0.79438	0.79763	0.80026	0.80241	0.80420	0.80570	0.80696	0.80802	0.80894	0.80973	0.81041
20	0.72915	0.73389	0.73764	0.74066	0.74310	0.74510	0.74676	0.74815	0.74932	0.75031	0.75116	0.75189	0.75252
25	0.67307	0.67744	0.68090	0.68368	0.68593	0.68778	0.68932	0.69060	0.69168	0.69259	0.69338	0.69405	0.69464
30	0.61698	0.62098	0.62416	0.62671	0.62877	0.63047	0.63187	0.63305	0.63404	0.63487	0.63560	0.63621	0.63675
35	0.56089	0.56453	0.56742	0.56974	0.57161	0.57315	0.57443	0.57550	0.57640	0.57716	0.57782	0.57838	0.57886
40	0.50480	0.50808	0.51068	0.51276	0.51445	0.51584	0.51699	0.51795	0.51876	0.51944	0.52004	0.52054	0.52098
45	0.44871	0.45162	0.45393	0.45579	0.45729	0.45852	0.45954	0.46040	0.46112	0.46173	0.46225	0.46270	0.46309
50	0.39262	0.39517	0.39719	0.39881	0.40013	0.40121	0.40210	0.40285	0.40348	0.40401	0.40447	0.40486	0.40521
55	0.33653	0.33872	0.34045	0.34184	0.34297	0.34389	0.34466	0.34530	0.34584	0.34630	0.34669	0.34703	0.34732
60	0.28044	0.28226	0.28371	0.28487	0.28581	0.28658	0.28721	0.28775	0.28820	0.28858	0.28891	0.28919	0.28943
65	0.22436	0.22581	0.22697	0.22789	0.22864	0.22926	0.22977	0.23020	0.23056	0.23086	0.23113	0.23135	0.23155
70	0.16827	0.16936	0.17023	0.17092	0.17148	0.17195	0.17233	0.17265	0.17292	0.17315	0.17335	0.17351	0.17366
75	0.11218	0.11291	0.11348	0.11395	0.11432	0.11463	0.11489	0.11510	0.11528	0.11543	0.11556	0.11568	0.11577
80	0.05609	0.05645	0.05674	0.05697	0.05716	0.05732	0.05744	0.05755	0.05764	0.05772	0.05778	0.05784	0.05789

Cuadro 29
(Continuación)

AJUSTE DE LA FUNCION UNIFORME A LAS PROBABILIDADES DE SOBREVIVENCIA FEMENINAS PROYECTADAS, 1980 - 2040

Hipótesis Baja

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
						Fuerza de Mortalidad							
0	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176
1	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190	0.01190
5	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250	0.01250
10	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333
15	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429	0.01429
20	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538	0.01538
25	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667	0.01667
30	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818
35	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000
40	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222	0.02222
45	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500	0.02500
50	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857	0.02857
55	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333	0.03333
60	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000	0.04000
65	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000	0.05000
70	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667
75	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000
80	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000
						Probabilidad Condicional de Fallecer							
0	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176	0.01176
1	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762	0.04762
5	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250	0.06250
10	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667	0.06667
15	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143	0.07143
20	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692	0.07692
25	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333	0.08333
30	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091	0.09091
35	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000	0.10000
40	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111	0.11111
45	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500	0.12500
50	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286	0.14286
55	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667	0.16667
60	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000	0.20000
65	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000	0.25000
70	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333	0.33333
75	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000	0.50000
80	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000

Fuente: Cuadro 25.

Cuadro 29'

AJUSTE DE LA FUNCION UNIFORME A LAS PROBABILIDADES DE SOBREVIVENCIA FEMENINAS PROYECTADAS, 1980 - 2040

Hipótesis Baja

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
Probabilidades Observadas													
0	0.95351	0.95970	0.96461	0.96855	0.97174	0.97436	0.97653	0.97835	0.97988	0.98117	0.98229	0.98324	0.98407
1	0.97536	0.97834	0.98074	0.98269	0.98430	0.98562	0.98673	0.98766	0.98845	0.98913	0.98970	0.99020	0.99064
5	0.99342	0.99420	0.99483	0.99535	0.99577	0.99612	0.99641	0.99666	0.99687	0.99704	0.99720	0.99733	0.99745
10	0.99645	0.99687	0.99720	0.99748	0.99771	0.99790	0.99805	0.99819	0.99830	0.99839	0.99848	0.99855	0.99861
15	0.99501	0.99560	0.99607	0.99645	0.99677	0.99703	0.99725	0.99744	0.99760	0.99773	0.99785	0.99795	0.99803
20	0.99231	0.99320	0.99391	0.99450	0.99499	0.99539	0.99573	0.99602	0.99626	0.99647	0.99665	0.99680	0.99694
25	0.99002	0.99115	0.99207	0.99283	0.99345	0.99398	0.99441	0.99478	0.99510	0.99537	0.99560	0.99580	0.99897
30	0.98729	0.98870	0.98986	0.99081	0.99160	0.99226	0.99281	0.99328	0.99368	0.99402	0.99431	0.99457	0.99479
35	0.98408	0.98581	0.98723	0.98840	0.98938	0.99019	0.99088	0.99147	0.99196	0.99239	0.99276	0.99307	0.99335
40	0.98067	0.98271	0.98440	0.98580	0.98696	0.98794	0.98877	0.98947	0.99007	0.99059	0.99103	0.99142	0.99175
45	0.97470	0.97728	0.97943	0.98121	0.98271	0.98398	0.98504	0.98595	0.98673	0.98740	0.98798	0.98848	0.98892
50	0.96489	0.96831	0.97117	0.97357	0.97560	0.97731	0.97877	0.98002	0.98109	0.98201	0.98281	0.98350	0.98410
55	0.95079	0.95529	0.95909	0.96232	0.96505	0.96738	0.96938	0.97109	0.97256	0.97384	0.97494	0.97590	0.97674
60	0.92851	0.93448	0.93959	0.94398	0.94775	0.95099	0.95377	0.95618	0.95826	0.96007	0.96165	0.96302	0.96422
65	0.89219	0.90003	0.90689	0.91288	0.91809	0.92262	0.92657	0.93001	0.93301	0.93563	0.93792	0.93993	0.94169
70	0.83097	0.84078	0.84966	0.85758	0.86463	0.87087	0.87638	0.88124	0.88553	0.88932	0.89265	0.89559	0.89818
75	0.72492	0.73525	0.74545	0.75486	0.76346	0.77127	0.77833	0.78467	0.79036	0.79543	0.79996	0.80398	0.80756
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parámetros													
a =	17.64	18.06	18.42	18.71	18.96	19.17	19.36	19.51	19.65	19.77	19.87	19.96	20.09
b =	210.31	213.35	216.13	218.74	221.15	223.37	225.40	227.24	228.90	230.40	231.74	232.95	233.92
Probabilidades Estimadas													
0	1.09144	1.09249	1.09314	1.09355	1.09378	1.09390	1.09394	1.09394	1.09390	1.09384	1.09378	1.09371	1.09393
1	1.08625	1.08737	1.08808	1.08855	1.08883	1.08900	1.08909	1.08912	1.08912	1.08909	1.08906	1.08901	1.08926
5	1.06551	1.06689	1.06785	1.06855	1.06905	1.06941	1.06967	1.06987	1.07000	1.07010	1.07018	1.07023	1.07055
10	1.03959	1.04128	1.04256	1.04355	1.04432	1.04493	1.04541	1.04580	1.04611	1.04636	1.04658	1.04675	1.04717
15	1.01367	1.01568	1.01727	1.01856	1.01959	1.02044	1.02114	1.02173	1.02221	1.02263	1.02298	1.02328	1.02378
20	0.98774	0.99008	0.99199	0.99356	0.99486	0.99596	0.99687	0.99765	0.99832	0.99889	0.99938	0.99980	1.00040
25	0.96182	0.96448	0.96670	0.96856	0.97014	0.97147	0.97261	0.97358	0.97442	0.97515	0.97578	0.97633	0.97702
30	0.93590	0.93887	0.94141	0.94356	0.94541	0.94698	0.94834	0.94951	0.95053	0.95141	0.95218	0.95285	0.95363
35	0.90997	0.91327	0.91612	0.91857	0.92068	0.92250	0.92407	0.92544	0.92664	0.92767	0.92858	0.92938	0.93025
40	0.88405	0.88767	0.89083	0.89357	0.89595	0.89801	0.89981	0.90137	0.90274	0.90394	0.90498	0.90590	0.90687
45	0.85813	0.86206	0.86554	0.86857	0.87122	0.87353	0.87554	0.87730	0.87885	0.88020	0.88138	0.88243	0.88348
50	0.83220	0.83646	0.84025	0.84358	0.84649	0.84904	0.85127	0.85323	0.85495	0.85646	0.85779	0.85895	0.86010
55	0.80628	0.81086	0.81496	0.81858	0.82176	0.82455	0.82701	0.82916	0.83106	0.83272	0.83419	0.83547	0.83672
60	0.78036	0.78525	0.78968	0.79358	0.79703	0.80007	0.80274	0.80509	0.80716	0.80898	0.81059	0.81200	0.81334
65	0.75443	0.75965	0.76439	0.76859	0.77230	0.77558	0.77848	0.78102	0.78327	0.78525	0.78699	0.78852	0.78995
70	0.72851	0.73405	0.73910	0.74359	0.74757	0.75110	0.75421	0.75695	0.75937	0.76151	0.76339	0.76505	0.76657
75	0.70259	0.70845	0.71381	0.71859	0.72285	0.72661	0.72994	0.73288	0.73548	0.73777	0.73979	0.74157	0.74319
80	0.67666	0.68284	0.68852	0.69360	0.69812	0.70213	0.70568	0.70881	0.71158	0.71403	0.71619	0.71810	0.71980

Cuadro 29'
(Continuación)

AJUSTE DE LA FUNCION UNIFORME A LAS PROBABILIDADES DE SOBREVIVENCIA FEMENINAS PROYECTADAS, 1980 - 2040

Hipótesis Baja

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
						Fuerza de Mortalidad							
0	0.00475	0.00469	0.00463	0.00457	0.00452	0.00448	0.00444	0.00440	0.00437	0.00434	0.00432	0.00429	0.00428
1	0.00477	0.00471	0.00465	0.00459	0.00454	0.00450	0.00446	0.00442	0.00439	0.00436	0.00433	0.00431	0.00429
5	0.00487	0.00480	0.00474	0.00468	0.00463	0.00458	0.00454	0.00450	0.00447	0.00444	0.00441	0.00439	0.00437
10	0.00499	0.00492	0.00485	0.00479	0.00474	0.00469	0.00464	0.00460	0.00457	0.00454	0.00451	0.00449	0.00447
15	0.00511	0.00504	0.00497	0.00491	0.00485	0.00480	0.00475	0.00471	0.00468	0.00464	0.00461	0.00459	0.00457
20	0.00525	0.00517	0.00510	0.00503	0.00497	0.00492	0.00487	0.00483	0.00479	0.00475	0.00472	0.00470	0.00467
25	0.00539	0.00531	0.00523	0.00516	0.00510	0.00504	0.00499	0.00494	0.00490	0.00487	0.00484	0.00481	0.00479
30	0.00554	0.00545	0.00537	0.00530	0.00523	0.00517	0.00512	0.00507	0.00503	0.00499	0.00496	0.00493	0.00490
35	0.00570	0.00561	0.00552	0.00544	0.00537	0.00531	0.00525	0.00520	0.00516	0.00512	0.00508	0.00505	0.00503
40	0.00586	0.00577	0.00568	0.00559	0.00552	0.00545	0.00539	0.00534	0.00529	0.00525	0.00522	0.00518	0.00516
45	0.00604	0.00594	0.00584	0.00576	0.00568	0.00561	0.00554	0.00549	0.00544	0.00539	0.00535	0.00532	0.00529
50	0.00623	0.00612	0.00602	0.00593	0.00584	0.00577	0.00570	0.00564	0.00559	0.00554	0.00550	0.00547	0.00544
55	0.00643	0.00632	0.00621	0.00611	0.00602	0.00594	0.00587	0.00581	0.00575	0.00570	0.00566	0.00562	0.00559
60	0.00664	0.00652	0.00640	0.00630	0.00621	0.00612	0.00605	0.00598	0.00592	0.00587	0.00582	0.00578	0.00575
65	0.00687	0.00674	0.00662	0.00650	0.00640	0.00631	0.00623	0.00616	0.00610	0.00605	0.00600	0.00595	0.00592
70	0.00712	0.00698	0.00684	0.00672	0.00662	0.00652	0.00643	0.00636	0.00629	0.00623	0.00618	0.00614	0.00610
75	0.00738	0.00723	0.00709	0.00696	0.00684	0.00674	0.00665	0.00657	0.00650	0.00644	0.00638	0.00633	0.00629
80	0.00766	0.00750	0.00735	0.00721	0.00708	0.00697	0.00688	0.00679	0.00672	0.00665	0.00659	0.00654	0.00650
						Probabilidad Condicional de Fallecer							
0	0.00475	0.00469	0.00463	0.00457	0.00452	0.00448	0.00444	0.00440	0.00437	0.00434	0.00432	0.00429	0.00428
1	0.01909	0.01884	0.01859	0.01837	0.01817	0.01799	0.01783	0.01768	0.01755	0.01744	0.01734	0.01725	0.01717
5	0.02433	0.02400	0.02368	0.02339	0.02313	0.02290	0.02269	0.02250	0.02233	0.02218	0.02205	0.02194	0.02184
10	0.02494	0.02459	0.02426	0.02395	0.02368	0.02343	0.02321	0.02302	0.02284	0.02269	0.02255	0.02243	0.02233
15	0.02557	0.02521	0.02486	0.02454	0.02425	0.02400	0.02376	0.02356	0.02338	0.02321	0.02307	0.02294	0.02284
20	0.02624	0.02586	0.02549	0.02516	0.02486	0.02459	0.02434	0.02413	0.02393	0.02376	0.02361	0.02348	0.02337
25	0.02695	0.02655	0.02616	0.02581	0.02549	0.02520	0.02495	0.02472	0.02452	0.02434	0.02418	0.02404	0.02393
30	0.02770	0.02727	0.02686	0.02649	0.02616	0.02586	0.02559	0.02535	0.02514	0.02495	0.02478	0.02464	0.02452
35	0.02849	0.02803	0.02760	0.02721	0.02686	0.02654	0.02626	0.02601	0.02579	0.02559	0.02541	0.02526	0.02514
40	0.02932	0.02884	0.02839	0.02797	0.02760	0.02727	0.02697	0.02670	0.02647	0.02626	0.02608	0.02591	0.02578
45	0.03021	0.02970	0.02922	0.02878	0.02838	0.02803	0.02772	0.02744	0.02719	0.02697	0.02677	0.02660	0.02647
50	0.03115	0.03061	0.03010	0.02963	0.02921	0.02884	0.02851	0.02821	0.02795	0.02772	0.02751	0.02733	0.02719
55	0.03215	0.03158	0.03103	0.03054	0.03009	0.02970	0.02934	0.02903	0.02875	0.02851	0.02829	0.02810	0.02795
60	0.03322	0.03260	0.03202	0.03150	0.03103	0.03060	0.03023	0.02990	0.02960	0.02934	0.02911	0.02891	0.02875
65	0.03436	0.03370	0.03308	0.03252	0.03202	0.03157	0.03117	0.03082	0.03051	0.03023	0.02999	0.02977	0.02960
70	0.03558	0.03488	0.03422	0.03362	0.03308	0.03260	0.03217	0.03180	0.03147	0.03117	0.03091	0.03069	0.03050
75	0.03690	0.03614	0.03543	0.03479	0.03421	0.03370	0.03324	0.03284	0.03249	0.03218	0.03190	0.03166	0.03146
80	0.03831	0.03749	0.03673	0.03604	0.03542	0.03487	0.03439	0.03396	0.03358	0.03324	0.03295	0.03269	0.03249

Fuente: Cuadro 25.

Cuadro 30

AJUSTE DE LA FUNCION EXPONENCIAL A LAS PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, 1975 - 2040

Hipótesis Alta

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
							Probabilidades Observadas							
0	0.92718	0.93431	0.93994	0.94450	0.94827	0.95144	0.95414	0.95647	0.95850	0.96029	0.96187	0.96329	0.96457	0.96572
1	0.97064	0.97316	0.97518	0.97683	0.97820	0.97937	0.98037	0.98123	0.98199	0.98266	0.98326	0.98379	0.98428	0.98471
5	0.99134	0.99207	0.99265	0.99312	0.99352	0.99386	0.99414	0.99439	0.99461	0.99481	0.99498	0.99514	0.99528	0.99540
10	0.99457	0.99502	0.99538	0.99568	0.99592	0.99613	0.99631	0.99647	0.99660	0.99672	0.99683	0.99693	0.99702	0.99710
15	0.99107	0.99180	0.99239	0.99287	0.99327	0.99361	0.99390	0.99415	0.99438	0.99458	0.99475	0.99491	0.99505	0.99518
20	0.98558	0.98673	0.98766	0.98842	0.98905	0.98959	0.99006	0.99047	0.99908	0.99114	0.99142	0.99167	0.99190	0.99211
25	0.98227	0.98364	0.98475	0.98567	0.98643	0.98708	0.98765	0.98814	0.98857	0.98895	0.98929	0.98960	0.98988	0.99013
30	0.97814	0.97978	0.98110	0.98220	0.98312	0.98390	0.98458	0.98517	0.98570	0.98616	0.98657	0.98695	0.98729	0.98759
35	0.97253	0.97450	0.97611	0.97743	0.97856	0.97951	0.98035	0.98107	0.98171	0.98228	0.98279	0.98325	0.98367	0.98405
40	0.96637	0.96866	0.97054	0.97210	0.97342	0.97455	0.97554	0.97640	0.97716	0.97784	0.97845	0.97900	0.97950	0.97995
45	0.95673	0.95950	0.96178	0.96368	0.96530	0.96670	0.96791	0.96898	0.96992	0.97077	0.97153	0.97221	0.97283	0.97340
50	0.94391	0.94722	0.94996	0.95227	0.95424	0.95595	0.95744	0.95875	0.95992	0.96096	0.96190	0.96276	0.96353	0.96424
55	0.92550	0.92946	0.93276	0.93557	0.93798	0.94007	0.94191	0.94353	0.94498	0.94628	0.94746	0.94852	0.94949	0.95039
60	0.89752	0.90223	0.90620	0.90960	0.91254	0.91511	0.91738	0.91940	0.92121	0.92284	0.92431	0.92565	0.92688	0.92801
65	0.85483	0.86022	0.86484	0.86883	0.87232	0.87539	0.87812	0.88056	0.88276	0.88475	0.88656	0.88821	0.88972	0.89112
70	0.78815	0.79383	0.79877	0.80309	0.80690	0.81030	0.81333	0.81606	0.81854	0.82079	0.82284	0.82472	0.82645	0.82805
75	0.68166	0.68656	0.69087	0.69469	0.69809	0.70115	0.70390	0.70638	0.70864	0.71070	0.71259	0.71432	0.71591	0.71738
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
							Parámetros							
λ =	0.00153	0.00146	0.00140	0.00134	0.00130	0.00126	0.00123	0.00120	0.00114	0.00115	0.00113	0.00111	0.00109	0.00107
							Probabilidades Estimadas							
0	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000
1	0.99847	0.99854	0.99861	0.99866	0.99870	0.99874	0.99877	0.99880	0.99886	0.99885	0.99887	0.99889	0.99891	0.99893
5	0.99237	0.99274	0.99305	0.99331	0.99353	0.99372	0.99388	0.99403	0.99430	0.99428	0.99438	0.99448	0.99457	0.99465
10	0.98480	0.98553	0.98614	0.98666	0.98709	0.98747	0.98780	0.98810	0.98863	0.98859	0.98880	0.98899	0.98916	0.98932
15	0.97728	0.97838	0.97929	0.98005	0.98070	0.98127	0.98176	0.98220	0.98299	0.98293	0.98325	0.98353	0.98379	0.98402
20	0.96982	0.97127	0.97248	0.97349	0.97435	0.97510	0.97576	0.97633	0.97739	0.97731	0.97772	0.97810	0.97844	0.97876
25	0.96242	0.96422	0.96571	0.96697	0.96804	0.96898	0.96979	0.97051	0.97182	0.97172	0.97223	0.97270	0.97313	0.97352
30	0.95508	0.95722	0.95900	0.96050	0.96178	0.96289	0.96386	0.96471	0.96628	0.96616	0.96677	0.96733	0.96784	0.96830
35	0.94779	0.95027	0.95233	0.95407	0.95555	0.95684	0.95796	0.95895	0.96077	0.96063	0.96134	0.96199	0.96258	0.96312
40	0.94055	0.94337	0.94571	0.94768	0.94936	0.95083	0.95210	0.95323	0.95529	0.95514	0.95594	0.95668	0.95735	0.95796
45	0.93338	0.93652	0.93913	0.94133	0.94322	0.94485	0.94628	0.94754	0.94984	0.94967	0.95058	0.95140	0.95215	0.95283
50	0.92625	0.92972	0.93260	0.93503	0.93711	0.93891	0.94049	0.94188	0.94443	0.94424	0.94524	0.94615	0.94698	0.94773
55	0.91918	0.92297	0.92612	0.92877	0.93104	0.93301	0.93474	0.93626	0.93904	0.93884	0.93993	0.94093	0.94183	0.94266
60	0.91217	0.91627	0.91968	0.92255	0.92502	0.92715	0.92902	0.93067	0.93369	0.93346	0.93465	0.93573	0.93672	0.93761
65	0.90521	0.90962	0.91329	0.91638	0.91903	0.92133	0.92334	0.92511	0.92837	0.92812	0.92940	0.93057	0.93163	0.93259
70	0.89830	0.90302	0.90694	0.91024	0.91308	0.91554	0.91769	0.91959	0.92307	0.92281	0.92418	0.92543	0.92657	0.92760
75	0.89144	0.89646	0.90063	0.90415	0.90716	0.90979	0.91208	0.91410	0.91781	0.91753	0.91899	0.92032	0.92153	0.92263
80	0.88464	0.88995	0.89437	0.89810	0.90129	0.90407	0.90650	0.90864	0.91258	0.91228	0.91383	0.91524	0.91653	0.91769

Cuadro 30
(Continuación)

AJUSTE DE LA FUNCION EXPONENCIAL A LAS PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, 1975 - 2040

Hipótesis Alta

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
							Fuerza de Mortalidad							
0	0.00153	0.00146	0.00140	0.00134	0.00130	0.00126	0.00123	0.00120	0.00114	0.00115	0.00113	0.00111	0.00109	0.00107
1	0.00153	0.00146	0.00140	0.00134	0.00130	0.00126	0.00123	0.00120	0.00114	0.00115	0.00113	0.00111	0.00109	0.00107
5	0.00153	0.00146	0.00140	0.00134	0.00130	0.00126	0.00123	0.00120	0.00114	0.00115	0.00113	0.00111	0.00109	0.00107
10	0.00153	0.00146	0.00140	0.00134	0.00130	0.00126	0.00123	0.00120	0.00114	0.00115	0.00113	0.00111	0.00109	0.00107
15	0.00153	0.00146	0.00140	0.00134	0.00130	0.00126	0.00123	0.00120	0.00114	0.00115	0.00113	0.00111	0.00109	0.00107
20	0.00153	0.00146	0.00140	0.00134	0.00130	0.00126	0.00123	0.00120	0.00114	0.00115	0.00113	0.00111	0.00109	0.00107
25	0.00153	0.00146	0.00140	0.00134	0.00130	0.00126	0.00123	0.00120	0.00114	0.00115	0.00113	0.00111	0.00109	0.00107
30	0.00153	0.00146	0.00140	0.00134	0.00130	0.00126	0.00123	0.00120	0.00114	0.00115	0.00113	0.00111	0.00109	0.00107
35	0.00153	0.00146	0.00140	0.00134	0.00130	0.00126	0.00123	0.00120	0.00114	0.00115	0.00113	0.00111	0.00109	0.00107
40	0.00153	0.00146	0.00140	0.00134	0.00130	0.00126	0.00123	0.00120	0.00114	0.00115	0.00113	0.00111	0.00109	0.00107
45	0.00153	0.00146	0.00140	0.00134	0.00130	0.00126	0.00123	0.00120	0.00114	0.00115	0.00113	0.00111	0.00109	0.00107
50	0.00153	0.00146	0.00140	0.00134	0.00130	0.00126	0.00123	0.00120	0.00114	0.00115	0.00113	0.00111	0.00109	0.00107
55	0.00153	0.00146	0.00140	0.00134	0.00130	0.00126	0.00123	0.00120	0.00114	0.00115	0.00113	0.00111	0.00109	0.00107
60	0.00153	0.00146	0.00140	0.00134	0.00130	0.00126	0.00123	0.00120	0.00114	0.00115	0.00113	0.00111	0.00109	0.00107
65	0.00153	0.00146	0.00140	0.00134	0.00130	0.00126	0.00123	0.00120	0.00114	0.00115	0.00113	0.00111	0.00109	0.00107
70	0.00153	0.00146	0.00140	0.00134	0.00130	0.00126	0.00123	0.00120	0.00114	0.00115	0.00113	0.00111	0.00109	0.00107
75	0.00153	0.00146	0.00140	0.00134	0.00130	0.00126	0.00123	0.00120	0.00114	0.00115	0.00113	0.00111	0.00109	0.00107
80	0.00153	0.00146	0.00140	0.00134	0.00130	0.00126	0.00123	0.00120	0.00114	0.00115	0.00113	0.00111	0.00109	0.00107
							Probabilidad Condicional de Fallecer							
0	0.00153	0.00146	0.00139	0.00134	0.00130	0.00126	0.00123	0.00120	0.00114	0.00115	0.00113	0.00111	0.00109	0.00107
1	0.00611	0.00581	0.00557	0.00536	0.00518	0.00503	0.00490	0.00478	0.00456	0.00458	0.00450	0.00442	0.00435	0.00429
5	0.00763	0.00726	0.00695	0.00669	0.00647	0.00628	0.00612	0.00597	0.00570	0.00572	0.00562	0.00552	0.00543	0.00535
10	0.00763	0.00726	0.00695	0.00669	0.00647	0.00628	0.00612	0.00597	0.00570	0.00572	0.00562	0.00552	0.00543	0.00535
15	0.00763	0.00726	0.00695	0.00669	0.00647	0.00628	0.00612	0.00597	0.00570	0.00572	0.00562	0.00552	0.00543	0.00535
20	0.00763	0.00726	0.00695	0.00669	0.00647	0.00628	0.00612	0.00597	0.00570	0.00572	0.00562	0.00552	0.00543	0.00535
25	0.00763	0.00726	0.00695	0.00669	0.00647	0.00628	0.00612	0.00597	0.00570	0.00572	0.00562	0.00552	0.00543	0.00535
30	0.00763	0.00726	0.00695	0.00669	0.00647	0.00628	0.00612	0.00597	0.00570	0.00572	0.00562	0.00552	0.00543	0.00535
35	0.00763	0.00726	0.00695	0.00669	0.00647	0.00628	0.00612	0.00597	0.00570	0.00572	0.00562	0.00552	0.00543	0.00535
40	0.00763	0.00726	0.00695	0.00669	0.00647	0.00628	0.00612	0.00597	0.00570	0.00572	0.00562	0.00552	0.00543	0.00535
45	0.00763	0.00726	0.00695	0.00669	0.00647	0.00628	0.00612	0.00597	0.00570	0.00572	0.00562	0.00552	0.00543	0.00535
50	0.00763	0.00726	0.00695	0.00669	0.00647	0.00628	0.00612	0.00597	0.00570	0.00572	0.00562	0.00552	0.00543	0.00535
55	0.00763	0.00726	0.00695	0.00669	0.00647	0.00628	0.00612	0.00597	0.00570	0.00572	0.00562	0.00552	0.00543	0.00535
60	0.00763	0.00726	0.00695	0.00669	0.00647	0.00628	0.00612	0.00597	0.00570	0.00572	0.00562	0.00552	0.00543	0.00535
65	0.00763	0.00726	0.00695	0.00669	0.00647	0.00628	0.00612	0.00597	0.00570	0.00572	0.00562	0.00552	0.00543	0.00535
70	0.00763	0.00726	0.00695	0.00669	0.00647	0.00628	0.00612	0.00597	0.00570	0.00572	0.00562	0.00552	0.00543	0.00535
75	0.00763	0.00726	0.00695	0.00669	0.00647	0.00628	0.00612	0.00597	0.00570	0.00572	0.00562	0.00552	0.00543	0.00535
80	0.00763	0.00726	0.00695	0.00669	0.00647	0.00628	0.00612	0.00597	0.00570	0.00572	0.00562	0.00552	0.00543	0.00535

Fuente : Cuadro 21.

Cuadro 31

AJUSTE DE LA FUNCION EXPONENCIAL A LAS PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, 1975 - 2040

Hipótesis Baja

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
Probabilidades Observadas														
0	0.92917	0.93727	0.94373	0.94899	0.95336	0.95703	0.96016	0.96286	0.96521	0.96727	0.96909	0.97072	0.97218	0.97349
1	0.97142	0.97434	0.97671	0.97867	0.98031	0.98170	0.98290	0.98394	0.98486	0.98567	0.98638	0.98703	0.98761	0.98814
5	0.99157	0.99241	0.99310	0.99366	0.99414	0.99455	0.99490	0.99520	0.99547	0.99570	0.99536	0.99610	0.99627	0.99643
10	0.99471	0.99524	0.99566	0.99602	0.99631	0.99656	0.99678	0.99697	0.99714	0.99729	0.99746	0.99754	0.99765	0.99774
15	0.99131	0.99215	0.99285	0.99342	0.99391	0.99432	0.99468	0.99499	0.99526	0.99550	0.99572	0.99592	0.99609	0.99625
20	0.98595	0.98729	0.98839	0.98931	0.99008	0.99074	0.99131	0.99181	0.99225	0.99265	0.99299	0.99331	0.99359	0.99385
25	0.98272	0.98433	0.98565	0.98676	0.98769	0.98849	0.98919	0.98980	0.99034	0.99081	0.99124	0.99163	0.99197	0.99229
30	0.97868	0.98061	0.98219	0.98353	0.98466	0.98563	0.98648	0.98722	0.98788	0.98846	0.98899	0.98946	0.98989	0.99028
35	0.97319	0.97552	0.97746	0.97909	0.98048	0.98168	0.98272	0.98364	0.98446	0.98519	0.98584	0.98643	0.98697	0.98746
40	0.96715	0.96988	0.97216	0.97409	0.97574	0.97718	0.97844	0.97954	0.98053	0.98141	0.98220	0.98292	0.98357	0.98417
45	0.95769	0.96101	0.96380	0.96618	0.96824	0.97003	0.97160	0.97300	0.97424	0.97536	0.97637	0.97728	0.97812	0.97888
50	0.94508	0.94909	0.95249	0.95541	0.95795	0.96018	0.96215	0.96390	0.96548	0.96689	0.96818	0.96934	0.97041	0.97139
55	0.92695	0.93178	0.93594	0.93955	0.94272	0.94551	0.94800	0.95023	0.95224	0.95406	0.95572	0.95724	0.95863	0.95991
60	0.89932	0.90514	0.91023	0.91471	0.91868	0.92222	0.92541	0.92828	0.93086	0.93327	0.93545	0.93746	0.93931	0.94102
65	0.85709	0.86383	0.86989	0.87532	0.88021	0.88462	0.88864	0.89230	0.89566	0.89875	0.90161	0.90425	0.90671	0.90900
70	0.79066	0.79808	0.80483	0.81099	0.81665	0.82185	0.82665	0.83109	0.83522	0.83906	0.84265	0.84601	0.84916	0.85212
75	0.68424	0.69101	0.69736	0.70331	0.70889	0.71414	0.71909	0.72374	0.72814	0.73230	0.73625	0.73999	0.74355	0.74693
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parámetros														
λ =	0.00150	0.00141	0.00134	0.00127	0.00121	0.00116	0.00111	0.00107	0.00103	0.00100	0.00098	0.00094	0.00091	0.00089
Probabilidades Estimadas														
0	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000
1	0.99850	0.99859	0.99867	0.99873	0.99879	0.99884	0.99889	0.99893	0.99897	0.99900	0.99902	0.99906	0.99909	0.99911
5	0.99251	0.99296	0.99334	0.99368	0.99397	0.99423	0.99446	0.99466	0.99485	0.99502	0.99513	0.99531	0.99544	0.99556
10	0.98507	0.98597	0.98673	0.98740	0.98798	0.98849	0.98894	0.98935	0.98972	0.99006	0.99029	0.99064	0.99090	0.99114
15	0.97769	0.97902	0.98017	0.98115	0.98202	0.98278	0.98346	0.98407	0.98462	0.98512	0.98547	0.98600	0.98638	0.98674
20	0.97036	0.97213	0.97364	0.97495	0.97610	0.97711	0.97801	0.97882	0.97955	0.98021	0.98068	0.98137	0.98188	0.98236
25	0.96309	0.96528	0.96716	0.96879	0.97021	0.97147	0.97259	0.97359	0.97450	0.97532	0.97590	0.97677	0.97740	0.97799
30	0.95587	0.95849	0.96073	0.96266	0.96436	0.96586	0.96720	0.96839	0.96948	0.97046	0.97115	0.97219	0.97295	0.97365
35	0.94871	0.95174	0.95433	0.95658	0.95854	0.96028	0.96184	0.96322	0.96448	0.96562	0.96643	0.96763	0.96851	0.96933
40	0.94160	0.94504	0.94798	0.95053	0.95276	0.95474	0.95650	0.95808	0.95951	0.96081	0.96172	0.96309	0.96409	0.96502
45	0.93454	0.93838	0.94167	0.94452	0.94702	0.94923	0.95120	0.95297	0.95457	0.95602	0.95704	0.95857	0.95970	0.96074
50	0.92754	0.93177	0.93540	0.93855	0.94131	0.94375	0.94593	0.94788	0.94965	0.95126	0.95239	0.95408	0.95532	0.95647
55	0.92058	0.92521	0.92918	0.93262	0.93563	0.93830	0.94069	0.94282	0.94476	0.94651	0.94775	0.94960	0.95096	0.95222
60	0.91369	0.91870	0.92299	0.92672	0.92999	0.93288	0.93547	0.93779	0.93989	0.94180	0.94314	0.94515	0.94663	0.94799
65	0.90684	0.91223	0.91685	0.92086	0.92438	0.92750	0.93029	0.93278	0.93505	0.93710	0.93855	0.94072	0.94231	0.94379
70	0.90004	0.90580	0.91075	0.91504	0.91881	0.92214	0.92513	0.92780	0.93023	0.93243	0.93398	0.93630	0.93801	0.93959
75	0.89330	0.89943	0.90469	0.90926	0.91327	0.91682	0.92000	0.92285	0.92544	0.92778	0.92944	0.93191	0.93373	0.93542
80	0.88660	0.89309	0.89867	0.90351	0.90776	0.91153	0.91490	0.91792	0.92067	0.92316	0.92491	0.92754	0.92947	0.93127

Cuadro 31
(Continuación)

AJUSTE DE LA FUNCION EXPONENCIAL A LAS PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, 1975 - 2040

Hipótesis Baja

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
						Fuerza de Mortalidad								
0	0.00150	0.00141	0.00134	0.00127	0.00121	0.00116	0.00111	0.00107	0.00103	0.00100	0.00098	0.00094	0.00091	0.00089
1	0.00150	0.00141	0.00134	0.00127	0.00121	0.00116	0.00111	0.00107	0.00103	0.00100	0.00098	0.00094	0.00091	0.00089
5	0.00150	0.00141	0.00134	0.00127	0.00121	0.00116	0.00111	0.00107	0.00103	0.00100	0.00098	0.00094	0.00091	0.00089
10	0.00150	0.00141	0.00134	0.00127	0.00121	0.00116	0.00111	0.00107	0.00103	0.00100	0.00098	0.00094	0.00091	0.00089
15	0.00150	0.00141	0.00134	0.00127	0.00121	0.00116	0.00111	0.00107	0.00103	0.00100	0.00098	0.00094	0.00091	0.00089
20	0.00150	0.00141	0.00134	0.00127	0.00121	0.00116	0.00111	0.00107	0.00103	0.00100	0.00098	0.00094	0.00091	0.00089
25	0.00150	0.00141	0.00134	0.00127	0.00121	0.00116	0.00111	0.00107	0.00103	0.00100	0.00098	0.00094	0.00091	0.00089
30	0.00150	0.00141	0.00134	0.00127	0.00121	0.00116	0.00111	0.00107	0.00103	0.00100	0.00098	0.00094	0.00091	0.00089
35	0.00150	0.00141	0.00134	0.00127	0.00121	0.00116	0.00111	0.00107	0.00103	0.00100	0.00098	0.00094	0.00091	0.00089
40	0.00150	0.00141	0.00134	0.00127	0.00121	0.00116	0.00111	0.00107	0.00103	0.00100	0.00098	0.00094	0.00091	0.00089
45	0.00150	0.00141	0.00134	0.00127	0.00121	0.00116	0.00111	0.00107	0.00103	0.00100	0.00098	0.00094	0.00091	0.00089
50	0.00150	0.00141	0.00134	0.00127	0.00121	0.00116	0.00111	0.00107	0.00103	0.00100	0.00098	0.00094	0.00091	0.00089
55	0.00150	0.00141	0.00134	0.00127	0.00121	0.00116	0.00111	0.00107	0.00103	0.00100	0.00098	0.00094	0.00091	0.00089
60	0.00150	0.00141	0.00134	0.00127	0.00121	0.00116	0.00111	0.00107	0.00103	0.00100	0.00098	0.00094	0.00091	0.00089
65	0.00150	0.00141	0.00134	0.00127	0.00121	0.00116	0.00111	0.00107	0.00103	0.00100	0.00098	0.00094	0.00091	0.00089
70	0.00150	0.00141	0.00134	0.00127	0.00121	0.00116	0.00111	0.00107	0.00103	0.00100	0.00098	0.00094	0.00091	0.00089
75	0.00150	0.00141	0.00134	0.00127	0.00121	0.00116	0.00111	0.00107	0.00103	0.00100	0.00098	0.00094	0.00091	0.00089
80	0.00150	0.00141	0.00134	0.00127	0.00121	0.00116	0.00111	0.00107	0.00103	0.00100	0.00098	0.00094	0.00091	0.00089
						Probabilidad Condicional de Fallecer								
0	0.00150	0.00141	0.00133	0.00127	0.00121	0.00116	0.00111	0.00107	0.00103	0.00100	0.00098	0.00094	0.00091	0.00089
1	0.00600	0.00564	0.00533	0.00506	0.00483	0.00462	0.00444	0.00427	0.00412	0.00399	0.00390	0.00375	0.00365	0.00355
5	0.00749	0.00704	0.00666	0.00632	0.00603	0.00577	0.00554	0.00534	0.00515	0.00498	0.00487	0.00469	0.00456	0.00444
10	0.00749	0.00704	0.00666	0.00632	0.00603	0.00577	0.00554	0.00534	0.00515	0.00498	0.00487	0.00469	0.00456	0.00444
15	0.00749	0.00704	0.00666	0.00632	0.00603	0.00577	0.00554	0.00534	0.00515	0.00498	0.00487	0.00469	0.00456	0.00444
20	0.00749	0.00704	0.00666	0.00632	0.00603	0.00577	0.00554	0.00534	0.00515	0.00498	0.00487	0.00469	0.00456	0.00444
25	0.00749	0.00704	0.00666	0.00632	0.00603	0.00577	0.00554	0.00534	0.00515	0.00498	0.00487	0.00469	0.00456	0.00444
30	0.00749	0.00704	0.00666	0.00632	0.00603	0.00577	0.00554	0.00534	0.00515	0.00498	0.00487	0.00469	0.00456	0.00444
35	0.00749	0.00704	0.00666	0.00632	0.00603	0.00577	0.00554	0.00534	0.00515	0.00498	0.00487	0.00469	0.00456	0.00444
40	0.00749	0.00704	0.00666	0.00632	0.00603	0.00577	0.00554	0.00534	0.00515	0.00498	0.00487	0.00469	0.00456	0.00444
45	0.00749	0.00704	0.00666	0.00632	0.00603	0.00577	0.00554	0.00534	0.00515	0.00498	0.00487	0.00469	0.00456	0.00444
50	0.00749	0.00704	0.00666	0.00632	0.00603	0.00577	0.00554	0.00534	0.00515	0.00498	0.00487	0.00469	0.00456	0.00444
55	0.00749	0.00704	0.00666	0.00632	0.00603	0.00577	0.00554	0.00534	0.00515	0.00498	0.00487	0.00469	0.00456	0.00444
60	0.00749	0.00704	0.00666	0.00632	0.00603	0.00577	0.00554	0.00534	0.00515	0.00498	0.00487	0.00469	0.00456	0.00444
65	0.00749	0.00704	0.00666	0.00632	0.00603	0.00577	0.00554	0.00534	0.00515	0.00498	0.00487	0.00469	0.00456	0.00444
70	0.00749	0.00704	0.00666	0.00632	0.00603	0.00577	0.00554	0.00534	0.00515	0.00498	0.00487	0.00469	0.00456	0.00444
75	0.00749	0.00704	0.00666	0.00632	0.00603	0.00577	0.00554	0.00534	0.00515	0.00498	0.00487	0.00469	0.00456	0.00444
80	0.00749	0.00704	0.00666	0.00632	0.00603	0.00577	0.00554	0.00534	0.00515	0.00498	0.00487	0.00469	0.00456	0.00444

Fuente : Cuadro 11.

Cuadro 32

AJUSTE DE LA FUNCION EXPONENCIAL A LAS PROBABILIDADES DE SOBREVIVENCIA FEMENINAS PROYECTADAS, 1980 - 2040

Hipótesis Alta

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
Probabilidades Observadas													
0	0.95126	0.95671	0.96098	0.96437	0.96709	0.96931	0.97115	0.97267	0.97395	0.97503	0.97596	0.97675	0.97744
1	0.97420	0.97677	0.97881	0.98044	0.98176	0.98284	0.98373	0.98448	0.98510	0.98563	0.98607	0.98646	0.98679
5	0.99312	0.99379	0.99432	0.99474	0.99509	0.99537	0.99560	0.99580	0.99596	0.99610	0.99621	0.99631	0.99640
10	0.99628	0.99664	0.99693	0.99715	0.99734	0.99749	0.99762	0.99772	0.99781	0.99788	0.99794	0.99800	0.99804
15	0.99478	0.99528	0.99568	0.99599	0.99625	0.99646	0.99664	0.99678	0.99691	0.99701	0.99710	0.99717	0.99723
20	0.99195	0.99271	0.99332	0.99380	0.99419	0.99452	0.99479	0.99501	0.99519	0.99535	0.99548	0.99560	0.99570
25	0.98956	0.99053	0.99130	0.99192	0.99242	0.99284	0.99318	0.99347	0.99370	0.99391	0.99408	0.99422	0.99435
30	0.98672	0.98792	0.98888	0.98966	0.99029	0.99081	0.99124	0.99160	0.99190	0.99215	0.99236	0.99255	0.99270
35	0.98337	0.98484	0.98601	0.98696	0.98774	0.98838	0.98891	0.98935	0.98972	0.99003	0.99030	0.99052	0.99071
40	0.97983	0.98185	0.98294	0.98406	0.98499	0.98574	0.98637	0.98690	0.98734	0.98771	0.98802	0.98829	0.98852
45	0.97363	0.97580	0.97755	0.97897	0.98014	0.98111	0.98191	0.98258	0.98314	0.98361	0.98401	0.98435	0.98464
50	0.96346	0.96630	0.96862	0.97051	0.97207	0.97336	0.97444	0.97533	0.97609	0.97672	0.97725	0.97771	0.97810
55	0.94890	0.95260	0.95563	0.95813	0.96020	0.96192	0.96335	0.96455	0.96556	0.96640	0.96712	0.96772	0.96823
60	0.92597	0.93080	0.93481	0.93815	0.94092	0.94324	0.94517	0.94680	0.94816	0.94931	0.95027	0.95109	0.95177
65	0.88877	0.89501	0.90026	0.90467	0.90837	0.91148	0.91409	0.91628	0.91812	0.91966	0.92096	0.92205	0.92296
70	0.82649	0.83412	0.84065	0.84623	0.85096	0.85496	0.85834	0.86118	0.86356	0.86555	0.86721	0.86859	0.86973
75	0.71913	0.72719	0.73425	0.74038	0.74565	0.75014	0.75394	0.75712	0.75978	0.76197	0.76376	0.76521	0.76635
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parámetros													
λ =	0.00112	0.00105	0.00100	0.00095	0.00091	0.00087	0.00085	0.00082	0.00080	0.00079	0.00078	0.00076	0.00075
Probabilidades Estimadas													
0	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000
1	0.99888	0.99895	0.99901	0.99905	0.99909	0.99913	0.99915	0.99918	0.99920	0.99921	0.99922	0.99924	0.99925
5	0.99439	0.99475	0.99504	0.99527	0.99547	0.99564	0.99577	0.99589	0.99598	0.99606	0.99613	0.99619	0.99623
10	0.98882	0.98952	0.99010	0.99057	0.99096	0.99129	0.99156	0.99179	0.99198	0.99214	0.99228	0.99239	0.99248
15	0.98327	0.98433	0.98518	0.98589	0.98648	0.98697	0.98737	0.98771	0.98800	0.98824	0.98844	0.98861	0.98875
20	0.97776	0.97916	0.98029	0.98123	0.98201	0.98266	0.98320	0.98365	0.98403	0.98435	0.98461	0.98484	0.98502
25	0.97228	0.97402	0.97542	0.97659	0.97756	0.97837	0.97904	0.97961	0.98008	0.98047	0.98080	0.98108	0.98131
30	0.96683	0.96890	0.97058	0.97197	0.97314	0.97410	0.97491	0.97558	0.97614	0.97661	0.97701	0.97734	0.97762
35	0.96141	0.96381	0.96576	0.96738	0.96873	0.96985	0.97079	0.97157	0.97222	0.97277	0.97323	0.97361	0.97394
40	0.95602	0.95875	0.96097	0.96281	0.96434	0.96562	0.96668	0.96757	0.96832	0.96894	0.96946	0.96990	0.97027
45	0.95066	0.95371	0.95619	0.95825	0.95998	0.96140	0.96260	0.96359	0.96443	0.96513	0.96571	0.96621	0.96662
50	0.94533	0.94871	0.95145	0.95373	0.95563	0.95721	0.95853	0.95963	0.96056	0.96133	0.96197	0.96252	0.96298
55	0.94003	0.94372	0.94672	0.94922	0.95130	0.95303	0.95448	0.95569	0.95670	0.95755	0.95825	0.95885	0.95935
60	0.93476	0.93877	0.94202	0.94473	0.94699	0.94887	0.95044	0.95176	0.95286	0.95378	0.95454	0.95520	0.95574
65	0.92952	0.93384	0.93735	0.94027	0.94270	0.94473	0.94643	0.94784	0.94903	0.95002	0.95085	0.95155	0.95214
70	0.92431	0.92893	0.93269	0.93582	0.93844	0.94061	0.94243	0.94395	0.94522	0.94628	0.94717	0.94793	0.94856
75	0.91912	0.92405	0.92806	0.93140	0.93419	0.93650	0.93844	0.94006	0.94142	0.94256	0.94351	0.94431	0.94498
80	0.91397	0.91920	0.92345	0.92699	0.92996	0.93242	0.93448	0.93620	0.93764	0.93885	0.93985	0.94071	0.94143

Cuadro 32
(Continuación)

AJUSTE DE LA FUNCION EXPONENCIAL A LAS PROBABILIDADES DE SOBREVIVENCIA FEMENINAS PROYECTADAS, 1980 - 2040

Hipótesis Alta

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
						Fuerza de Mortalidad							
0	0.00112	0.00105	0.00100	0.00095	0.00091	0.00087	0.00085	0.00082	0.00080	0.00079	0.00078	0.00076	0.00075
1	0.00112	0.00105	0.00100	0.00095	0.00091	0.00087	0.00085	0.00082	0.00080	0.00079	0.00078	0.00076	0.00075
5	0.00112	0.00105	0.00100	0.00095	0.00091	0.00087	0.00085	0.00082	0.00080	0.00079	0.00078	0.00076	0.00075
10	0.00112	0.00105	0.00100	0.00095	0.00091	0.00087	0.00085	0.00082	0.00080	0.00079	0.00078	0.00076	0.00075
15	0.00112	0.00105	0.00100	0.00095	0.00091	0.00087	0.00085	0.00082	0.00080	0.00079	0.00078	0.00076	0.00075
20	0.00112	0.00105	0.00100	0.00095	0.00091	0.00087	0.00085	0.00082	0.00080	0.00079	0.00078	0.00076	0.00075
25	0.00112	0.00105	0.00100	0.00095	0.00091	0.00087	0.00085	0.00082	0.00080	0.00079	0.00078	0.00076	0.00075
30	0.00112	0.00105	0.00100	0.00095	0.00091	0.00087	0.00085	0.00082	0.00080	0.00079	0.00078	0.00076	0.00075
35	0.00112	0.00105	0.00100	0.00095	0.00091	0.00087	0.00085	0.00082	0.00080	0.00079	0.00078	0.00076	0.00075
40	0.00112	0.00105	0.00100	0.00095	0.00091	0.00087	0.00085	0.00082	0.00080	0.00079	0.00078	0.00076	0.00075
45	0.00112	0.00105	0.00100	0.00095	0.00091	0.00087	0.00085	0.00082	0.00080	0.00079	0.00078	0.00076	0.00075
50	0.00112	0.00105	0.00100	0.00095	0.00091	0.00087	0.00085	0.00082	0.00080	0.00079	0.00078	0.00076	0.00075
55	0.00112	0.00105	0.00100	0.00095	0.00091	0.00087	0.00085	0.00082	0.00080	0.00079	0.00078	0.00076	0.00075
60	0.00112	0.00105	0.00100	0.00095	0.00091	0.00087	0.00085	0.00082	0.00080	0.00079	0.00078	0.00076	0.00075
65	0.00112	0.00105	0.00100	0.00095	0.00091	0.00087	0.00085	0.00082	0.00080	0.00079	0.00078	0.00076	0.00075
70	0.00112	0.00105	0.00100	0.00095	0.00091	0.00087	0.00085	0.00082	0.00080	0.00079	0.00078	0.00076	0.00075
75	0.00112	0.00105	0.00100	0.00095	0.00091	0.00087	0.00085	0.00082	0.00080	0.00079	0.00078	0.00076	0.00075
80	0.00112	0.00105	0.00100	0.00095	0.00091	0.00087	0.00085	0.00082	0.00080	0.00079	0.00078	0.00076	0.00075
						Probabilidad Condicional de Fallecer							
0	0.00112	0.00105	0.00099	0.00095	0.00091	0.00087	0.00085	0.00082	0.00080	0.00079	0.00078	0.00076	0.00075
1	0.00449	0.00420	0.00397	0.00378	0.00362	0.00349	0.00338	0.00329	0.00321	0.00315	0.00310	0.00305	0.00301
5	0.00561	0.00525	0.00496	0.00473	0.00453	0.00436	0.00423	0.00411	0.00402	0.00394	0.00387	0.00381	0.00377
10	0.00561	0.00525	0.00496	0.00473	0.00453	0.00436	0.00423	0.00411	0.00402	0.00394	0.00387	0.00381	0.00377
15	0.00561	0.00525	0.00496	0.00473	0.00453	0.00436	0.00423	0.00411	0.00402	0.00394	0.00387	0.00381	0.00377
20	0.00561	0.00525	0.00496	0.00473	0.00453	0.00436	0.00423	0.00411	0.00402	0.00394	0.00387	0.00381	0.00377
25	0.00561	0.00525	0.00496	0.00473	0.00453	0.00436	0.00423	0.00411	0.00402	0.00394	0.00387	0.00381	0.00377
30	0.00561	0.00525	0.00496	0.00473	0.00453	0.00436	0.00423	0.00411	0.00402	0.00394	0.00387	0.00381	0.00377
35	0.00561	0.00525	0.00496	0.00473	0.00453	0.00436	0.00423	0.00411	0.00402	0.00394	0.00387	0.00381	0.00377
40	0.00561	0.00525	0.00496	0.00473	0.00453	0.00436	0.00423	0.00411	0.00402	0.00394	0.00387	0.00381	0.00377
45	0.00561	0.00525	0.00496	0.00473	0.00453	0.00436	0.00423	0.00411	0.00402	0.00394	0.00387	0.00381	0.00377
50	0.00561	0.00525	0.00496	0.00473	0.00453	0.00436	0.00423	0.00411	0.00402	0.00394	0.00387	0.00381	0.00377
55	0.00561	0.00525	0.00496	0.00473	0.00453	0.00436	0.00423	0.00411	0.00402	0.00394	0.00387	0.00381	0.00377
60	0.00561	0.00525	0.00496	0.00473	0.00453	0.00436	0.00423	0.00411	0.00402	0.00394	0.00387	0.00381	0.00377
65	0.00561	0.00525	0.00496	0.00473	0.00453	0.00436	0.00423	0.00411	0.00402	0.00394	0.00387	0.00381	0.00377
70	0.00561	0.00525	0.00496	0.00473	0.00453	0.00436	0.00423	0.00411	0.00402	0.00394	0.00387	0.00381	0.00377
75	0.00561	0.00525	0.00496	0.00473	0.00453	0.00436	0.00423	0.00411	0.00402	0.00394	0.00387	0.00381	0.00377
80	0.00561	0.00525	0.00496	0.00473	0.00453	0.00436	0.00423	0.00411	0.00402	0.00394	0.00387	0.00381	0.00377

Fuente : Cuadro 23.

Cuadro 33

AJUSTE DE LA FUNCION EXPONENCIAL A LAS PROBABILIDADES DE SOBREVIVENCIA FEMENINAS PROYECTADAS, 1980 - 2040

Hipótesis Baja

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
						Probabilidades Observadas							
0	0.95351	0.95970	0.96461	0.96855	0.97174	0.97436	0.97653	0.97835	0.97988	0.98117	0.98229	0.98324	0.98407
1	0.97536	0.97834	0.98074	0.98269	0.98430	0.98562	0.98673	0.98766	0.98845	0.98913	0.98970	0.99020	0.99064
5	0.99342	0.99420	0.99483	0.99535	0.99577	0.99612	0.99641	0.99666	0.99687	0.99704	0.99720	0.99733	0.99745
10	0.99645	0.99687	0.99720	0.99748	0.99771	0.99790	0.99805	0.99819	0.99830	0.99839	0.99848	0.99855	0.99861
15	0.99501	0.99560	0.99607	0.99645	0.99677	0.99703	0.99725	0.99744	0.99760	0.99773	0.99785	0.99795	0.99803
20	0.99231	0.99320	0.99391	0.99450	0.99499	0.99539	0.99573	0.99602	0.99626	0.99647	0.99665	0.99680	0.99694
25	0.99002	0.99115	0.99207	0.99283	0.99345	0.99398	0.99441	0.99478	0.99510	0.99537	0.99560	0.99580	0.99897
30	0.98729	0.98870	0.98986	0.99081	0.99160	0.99226	0.99281	0.99328	0.99368	0.99402	0.99431	0.99457	0.99479
35	0.98408	0.98581	0.98723	0.98840	0.98938	0.99019	0.99088	0.99147	0.99196	0.99239	0.99276	0.99307	0.99335
40	0.98067	0.98271	0.98440	0.98580	0.98696	0.98794	0.98877	0.98947	0.99007	0.99059	0.99103	0.99142	0.99175
45	0.97470	0.97728	0.97943	0.98121	0.98271	0.98398	0.98504	0.98595	0.98673	0.98740	0.98798	0.98848	0.98892
50	0.96489	0.96831	0.97117	0.97357	0.97560	0.97731	0.97877	0.98002	0.98109	0.98201	0.98281	0.98350	0.98410
55	0.95079	0.95529	0.95909	0.96232	0.96505	0.96738	0.96938	0.97109	0.97256	0.97384	0.97494	0.97590	0.97674
60	0.92851	0.93448	0.93959	0.94398	0.94775	0.95099	0.95377	0.95618	0.95826	0.96007	0.96165	0.96302	0.96422
65	0.89219	0.90003	0.90689	0.91288	0.91809	0.92262	0.92657	0.93001	0.93301	0.93563	0.93792	0.93993	0.94169
70	0.83097	0.84078	0.84966	0.85758	0.86463	0.87087	0.87638	0.88124	0.88553	0.88932	0.89265	0.89559	0.89818
75	0.72492	0.73525	0.74545	0.75486	0.76346	0.77127	0.77833	0.78467	0.79036	0.79543	0.79996	0.80398	0.80756
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
						Parámetros							
λ =	0.00109	0.00100	0.00093	0.00086	0.00081	0.00076	0.00072	0.00069	0.00066	0.00063	0.00061	0.00059	0.00056
						Probabilidades Estimadas							
0	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000
1	0.99891	0.99900	0.99907	0.99914	0.99919	0.99924	0.99928	0.99931	0.99934	0.99937	0.99939	0.99941	0.99944
5	0.99458	0.99501	0.99538	0.99569	0.99596	0.99619	0.99639	0.99657	0.99672	0.99685	0.99696	0.99706	0.99718
10	0.98919	0.99005	0.99078	0.99141	0.99194	0.99240	0.99280	0.99314	0.99344	0.99370	0.99393	0.99412	0.99438
15	0.98384	0.98511	0.98620	0.98714	0.98794	0.98863	0.98922	0.98974	0.99018	0.99057	0.99091	0.99120	0.99158
20	0.97851	0.98019	0.98164	0.98289	0.98395	0.98486	0.98565	0.98634	0.98693	0.98744	0.98789	0.98828	0.98878
25	0.97320	0.97530	0.97711	0.97865	0.97998	0.98112	0.98210	0.98295	0.98369	0.98433	0.98489	0.98537	0.98600
30	0.96793	0.97044	0.97259	0.97444	0.97602	0.97738	0.97856	0.97958	0.98046	0.98122	0.98189	0.98248	0.98322
35	0.96269	0.96559	0.96810	0.97024	0.97208	0.97366	0.97503	0.97621	0.97724	0.97812	0.97891	0.97958	0.98046
40	0.95747	0.96078	0.96362	0.96606	0.96816	0.96996	0.97151	0.97286	0.97403	0.97504	0.97593	0.97670	0.97770
45	0.95228	0.95598	0.95917	0.96190	0.96425	0.96627	0.96801	0.96952	0.97083	0.97196	0.97296	0.97383	0.97494
50	0.94713	0.95121	0.95474	0.95776	0.96036	0.96259	0.96451	0.96619	0.96764	0.96890	0.97000	0.97096	0.97220
55	0.94199	0.94647	0.95032	0.95364	0.95648	0.95893	0.96104	0.96287	0.96446	0.96584	0.96705	0.96811	0.96946
60	0.93689	0.94175	0.94593	0.94953	0.95262	0.95528	0.95757	0.95957	0.96130	0.96279	0.96411	0.96526	0.96673
65	0.93182	0.93705	0.94156	0.94544	0.94877	0.95164	0.95412	0.95627	0.95814	0.95975	0.96118	0.96242	0.96401
70	0.92677	0.93237	0.93721	0.94137	0.94494	0.94802	0.95068	0.95299	0.95499	0.95673	0.95826	0.95959	0.96129
75	0.92175	0.92772	0.93288	0.93732	0.94113	0.94441	0.94725	0.94972	0.95186	0.95371	0.95534	0.95676	0.95859
80	0.91675	0.92309	0.92857	0.93328	0.93733	0.94082	0.94383	0.94646	0.94873	0.95070	0.95244	0.95395	0.95589

Cuadro 33
(Continuación)

AJUSTE DE LA FUNCION EXPONENCIAL A LAS PROBABILIDADES DE SOBREVIVENCIA FEMENINAS PROYECTADAS, 1980 - 2040

Hipótesis Baja

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
						Fuerza de Mortalidad							
0	0.00109	0.00100	0.00093	0.00086	0.00081	0.00076	0.00072	0.00069	0.00066	0.00063	0.00061	0.00059	0.00056
1	0.00109	0.00100	0.00093	0.00086	0.00081	0.00076	0.00072	0.00069	0.00066	0.00063	0.00061	0.00059	0.00056
5	0.00109	0.00100	0.00093	0.00086	0.00081	0.00076	0.00072	0.00069	0.00066	0.00063	0.00061	0.00059	0.00056
10	0.00109	0.00100	0.00093	0.00086	0.00081	0.00076	0.00072	0.00069	0.00066	0.00063	0.00061	0.00059	0.00056
15	0.00109	0.00100	0.00093	0.00086	0.00081	0.00076	0.00072	0.00069	0.00066	0.00063	0.00061	0.00059	0.00056
20	0.00109	0.00100	0.00093	0.00086	0.00081	0.00076	0.00072	0.00069	0.00066	0.00063	0.00061	0.00059	0.00056
25	0.00109	0.00100	0.00093	0.00086	0.00081	0.00076	0.00072	0.00069	0.00066	0.00063	0.00061	0.00059	0.00056
30	0.00109	0.00100	0.00093	0.00086	0.00081	0.00076	0.00072	0.00069	0.00066	0.00063	0.00061	0.00059	0.00056
35	0.00109	0.00100	0.00093	0.00086	0.00081	0.00076	0.00072	0.00069	0.00066	0.00063	0.00061	0.00059	0.00056
40	0.00109	0.00100	0.00093	0.00086	0.00081	0.00076	0.00072	0.00069	0.00066	0.00063	0.00061	0.00059	0.00056
45	0.00109	0.00100	0.00093	0.00086	0.00081	0.00076	0.00072	0.00069	0.00066	0.00063	0.00061	0.00059	0.00056
50	0.00109	0.00100	0.00093	0.00086	0.00081	0.00076	0.00072	0.00069	0.00066	0.00063	0.00061	0.00059	0.00056
55	0.00109	0.00100	0.00093	0.00086	0.00081	0.00076	0.00072	0.00069	0.00066	0.00063	0.00061	0.00059	0.00056
60	0.00109	0.00100	0.00093	0.00086	0.00081	0.00076	0.00072	0.00069	0.00066	0.00063	0.00061	0.00059	0.00056
65	0.00109	0.00100	0.00093	0.00086	0.00081	0.00076	0.00072	0.00069	0.00066	0.00063	0.00061	0.00059	0.00056
70	0.00109	0.00100	0.00093	0.00086	0.00081	0.00076	0.00072	0.00069	0.00066	0.00063	0.00061	0.00059	0.00056
75	0.00109	0.00100	0.00093	0.00086	0.00081	0.00076	0.00072	0.00069	0.00066	0.00063	0.00061	0.00059	0.00056
80	0.00109	0.00100	0.00093	0.00086	0.00081	0.00076	0.00072	0.00069	0.00066	0.00063	0.00061	0.00059	0.00056
						Probabilidad Condicional de Fallecer							
0	0.00109	0.00100	0.00093	0.00086	0.00081	0.00076	0.00072	0.00069	0.00066	0.00063	0.00061	0.00059	0.00056
1	0.00434	0.00399	0.00370	0.00345	0.00323	0.00305	0.00289	0.00275	0.00263	0.00252	0.00243	0.00235	0.00225
5	0.00542	0.00499	0.00462	0.00431	0.00404	0.00381	0.00361	0.00343	0.00328	0.00315	0.00304	0.00294	0.00282
10	0.00542	0.00499	0.00462	0.00431	0.00404	0.00381	0.00361	0.00343	0.00328	0.00315	0.00304	0.00294	0.00282
15	0.00542	0.00499	0.00462	0.00431	0.00404	0.00381	0.00361	0.00343	0.00328	0.00315	0.00304	0.00294	0.00282
20	0.00542	0.00499	0.00462	0.00431	0.00404	0.00381	0.00361	0.00343	0.00328	0.00315	0.00304	0.00294	0.00282
25	0.00542	0.00499	0.00462	0.00431	0.00404	0.00381	0.00361	0.00343	0.00328	0.00315	0.00304	0.00294	0.00282
30	0.00542	0.00499	0.00462	0.00431	0.00404	0.00381	0.00361	0.00343	0.00328	0.00315	0.00304	0.00294	0.00282
35	0.00542	0.00499	0.00462	0.00431	0.00404	0.00381	0.00361	0.00343	0.00328	0.00315	0.00304	0.00294	0.00282
40	0.00542	0.00499	0.00462	0.00431	0.00404	0.00381	0.00361	0.00343	0.00328	0.00315	0.00304	0.00294	0.00282
45	0.00542	0.00499	0.00462	0.00431	0.00404	0.00381	0.00361	0.00343	0.00328	0.00315	0.00304	0.00294	0.00282
50	0.00542	0.00499	0.00462	0.00431	0.00404	0.00381	0.00361	0.00343	0.00328	0.00315	0.00304	0.00294	0.00282
55	0.00542	0.00499	0.00462	0.00431	0.00404	0.00381	0.00361	0.00343	0.00328	0.00315	0.00304	0.00294	0.00282
60	0.00542	0.00499	0.00462	0.00431	0.00404	0.00381	0.00361	0.00343	0.00328	0.00315	0.00304	0.00294	0.00282
65	0.00542	0.00499	0.00462	0.00431	0.00404	0.00381	0.00361	0.00343	0.00328	0.00315	0.00304	0.00294	0.00282
70	0.00542	0.00499	0.00462	0.00431	0.00404	0.00381	0.00361	0.00343	0.00328	0.00315	0.00304	0.00294	0.00282
75	0.00542	0.00499	0.00462	0.00431	0.00404	0.00381	0.00361	0.00343	0.00328	0.00315	0.00304	0.00294	0.00282
80	0.00542	0.00499	0.00462	0.00431	0.00404	0.00381	0.00361	0.00343	0.00328	0.00315	0.00304	0.00294	0.00282

Fuente : Cuadro 25.

Cuadro 34

AJUSTE DE LA FUNCION DE GOMPERTZ A LAS PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, 1975 - 2040

Hipótesis Alta

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
							Probabilidades Observadas							
0	0.89996	0.90923	0.91661	0.92262	0.92760	0.93181	0.93541	0.93852	0.94124	0.94364	0.94577	0.94768	0.94940	0.95096
5	0.99134	0.99207	0.99265	0.99312	0.99352	0.99386	0.99414	0.99439	0.99461	0.99481	0.99498	0.99514	0.99528	0.99540
10	0.99457	0.99502	0.99538	0.99568	0.99592	0.99613	0.99631	0.99647	0.99660	0.99672	0.99683	0.99693	0.99702	0.99710
15	0.99107	0.99180	0.99239	0.99287	0.99327	0.99361	0.99390	0.99415	0.99438	0.99458	0.99475	0.99491	0.99505	0.99518
20	0.98558	0.98673	0.98766	0.98842	0.98905	0.98959	0.99006	0.99047	0.99908	0.99114	0.99142	0.99167	0.99190	0.99211
25	0.98227	0.98364	0.98475	0.98567	0.98643	0.98708	0.98765	0.98814	0.98857	0.98895	0.98929	0.98960	0.98988	0.99013
30	0.97814	0.97978	0.98110	0.98220	0.98312	0.98390	0.98458	0.98517	0.98570	0.98616	0.98657	0.98695	0.98729	0.98759
35	0.97253	0.97450	0.97611	0.97743	0.97856	0.97951	0.98035	0.98107	0.98171	0.98228	0.98279	0.98325	0.98367	0.98405
40	0.96637	0.96866	0.97054	0.97210	0.97342	0.97455	0.97554	0.97640	0.97716	0.97784	0.97845	0.97900	0.97950	0.97995
45	0.95673	0.95950	0.96178	0.96368	0.96530	0.96670	0.96791	0.96898	0.96992	0.97077	0.97153	0.97221	0.97283	0.97340
50	0.94391	0.94722	0.94996	0.95227	0.95424	0.95595	0.95744	0.95875	0.95992	0.96096	0.96190	0.96276	0.96353	0.96424
55	0.92550	0.92946	0.93276	0.93557	0.93798	0.94007	0.94191	0.94353	0.94498	0.94628	0.94746	0.94852	0.94949	0.95039
60	0.89752	0.90223	0.90620	0.90960	0.91254	0.91511	0.91738	0.91940	0.92121	0.92284	0.92431	0.92565	0.92688	0.92801
65	0.85483	0.86022	0.86484	0.86883	0.87232	0.87539	0.87812	0.88056	0.88276	0.88475	0.88656	0.88821	0.88972	0.89112
70	0.78815	0.79383	0.79877	0.80309	0.80690	0.81030	0.81333	0.81606	0.81854	0.82079	0.82284	0.82472	0.82645	0.82805
75	0.68166	0.68656	0.69087	0.69469	0.69809	0.70115	0.70390	0.70638	0.70864	0.71070	0.71259	0.71432	0.71591	0.71738
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
							Parámetros							
d =	1.32183	1.34279	1.36080	1.37657	1.39052	1.40312	1.41422	1.42440	1.38185	1.44229	1.45026	1.45758	1.46432	1.47079
b =	0.99342	0.99506	0.99612	0.99684	0.99736	0.99775	0.99804	0.99828	0.99721	0.99862	0.99874	0.99885	0.99894	0.99901
K =	1.02243	1.01702	1.01334	1.01071	1.00874	1.00721	1.00606	1.00511	1.01387	1.00369	1.00314	1.00269	1.00231	1.00196
							Probabilidades Estimadas							
0	1.01570	1.01200	1.00941	1.00752	1.00608	1.00495	1.00409	1.00338	1.01104	1.00230	1.00188	1.00153	1.00124	1.00097
5	1.01355	1.01028	1.00800	1.00632	1.00505	1.00404	1.00328	1.00264	1.00996	1.00169	1.00131	1.00101	1.00075	1.00051
10	1.01071	1.00798	1.00607	1.00467	1.00361	1.00276	1.00213	1.00160	1.00848	1.00080	1.00049	1.00024	1.00002	0.99982
15	1.00697	1.00491	1.00346	1.00241	1.00161	1.00097	1.00051	1.00011	1.00642	0.99953	0.99930	0.99912	0.99896	0.99882
20	1.00204	1.00079	0.99992	0.99930	0.99883	0.99847	0.99821	0.99800	1.00359	0.99769	0.99757	0.99748	0.99742	0.99735
25	0.99556	0.99528	0.99512	0.99504	0.99499	0.99496	0.99498	0.99500	0.99970	0.99505	0.99508	0.99511	0.99515	0.99518
30	0.98707	0.98794	0.98863	0.98920	0.98967	0.99007	0.99043	0.99074	0.99434	0.99125	0.99147	0.99166	0.99185	0.99201
35	0.97595	0.97816	0.97987	0.98122	0.98232	0.98324	0.98403	0.98470	0.98698	0.98580	0.98625	0.98666	0.98703	0.98736
40	0.96145	0.96519	0.96806	0.97034	0.97219	0.97374	0.97504	0.97616	0.97690	0.97798	0.97874	0.97941	0.98001	0.98056
45	0.94261	0.94804	0.95222	0.95556	0.95828	0.96056	0.96248	0.96413	0.96314	0.96683	0.96794	0.96894	0.96983	0.97064
50	0.91827	0.92549	0.93109	0.93558	0.93927	0.94237	0.94498	0.94724	0.94444	0.95096	0.95250	0.95388	0.95511	0.95624
55	0.88706	0.89605	0.90308	0.90876	0.91345	0.91743	0.92078	0.92370	0.91921	0.92852	0.93054	0.93234	0.93396	0.93544
60	0.84742	0.85798	0.86631	0.87309	0.87873	0.88354	0.88761	0.89118	0.88544	0.89710	0.89959	0.90182	0.90383	0.90567
65	0.79774	0.80940	0.81867	0.82628	0.83264	0.83808	0.84273	0.84682	0.84080	0.85364	0.85652	0.85911	0.86145	0.86360
70	0.73651	0.74846	0.75803	0.76591	0.77253	0.77823	0.78311	0.78742	0.78281	0.79464	0.79770	0.80046	0.80295	0.80525
75	0.66272	0.67379	0.68265	0.68995	0.69609	0.70137	0.70592	0.70993	0.70919	0.71665	0.71949	0.72206	0.72439	0.72652
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Cuadro 34
(Continuación)

AJUSTE DE LA FUNCION DE GOMPERTZ A LAS PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, 1975 - 2040

Hipótesis Alta

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
							Fuerza de Mortalidad							
0	0.00184	0.00146	0.00120	0.00101	0.00087	0.00076	0.00068	0.00061	0.00090	0.00051	0.00047	0.00043	0.00041	0.00038
5	0.00243	0.00196	0.00163	0.00139	0.00121	0.00107	0.00096	0.00087	0.00125	0.00073	0.00068	0.00063	0.00059	0.00056
10	0.00322	0.00263	0.00222	0.00191	0.00168	0.00150	0.00136	0.00124	0.00173	0.00106	0.00098	0.00092	0.00087	0.00082
15	0.00425	0.00353	0.00302	0.00264	0.00234	0.00211	0.00192	0.00176	0.00238	0.00152	0.00143	0.00135	0.00127	0.00121
20	0.00562	0.00474	0.00411	0.00363	0.00325	0.00295	0.00271	0.00251	0.00330	0.00220	0.00207	0.00196	0.00187	0.00178
25	0.00743	0.00637	0.00559	0.00499	0.00453	0.00414	0.00384	0.00358	0.00455	0.00317	0.00300	0.00286	0.00273	0.00262
30	0.00982	0.00855	0.00761	0.00687	0.00629	0.00582	0.00543	0.00510	0.00629	0.00457	0.00435	0.00417	0.00400	0.00385
35	0.01298	0.01148	0.01035	0.00946	0.00875	0.00816	0.00767	0.00726	0.00869	0.00659	0.00631	0.00607	0.00586	0.00566
40	0.01716	0.01542	0.01408	0.01303	0.01217	0.01145	0.01085	0.01034	0.01201	0.00950	0.00916	0.00885	0.00858	0.00833
45	0.02268	0.02070	0.01917	0.01793	0.01692	0.01606	0.01535	0.01473	0.01660	0.01370	0.01328	0.01290	0.01256	0.01225
50	0.02998	0.02780	0.02608	0.02468	0.02353	0.02254	0.02171	0.02098	0.02294	0.01977	0.01926	0.01880	0.01840	0.01802
55	0.03963	0.03733	0.03549	0.03398	0.03271	0.03162	0.03070	0.02988	0.03170	0.02851	0.02793	0.02741	0.02694	0.02650
60	0.05238	0.05012	0.04830	0.04678	0.04549	0.04437	0.04341	0.04256	0.04381	0.04112	0.04050	0.03995	0.03944	0.03898
65	0.06924	0.06730	0.06572	0.06439	0.06325	0.06226	0.06139	0.06062	0.06054	0.05930	0.05874	0.05823	0.05776	0.05733
70	0.09152	0.09037	0.08943	0.08864	0.08796	0.08736	0.08682	0.08635	0.08365	0.08553	0.08519	0.08487	0.08458	0.08432
75	0.12097	0.12135	0.12170	0.12202	0.12230	0.12257	0.12279	0.12300	0.11559	0.12336	0.12355	0.12371	0.12385	0.12401
80	0.15991	0.16295	0.16561	0.16797	0.17007	0.17199	0.17365	0.17520	0.15973	0.17793	0.17918	0.18031	0.18135	0.18240
							Probabilidad Condicional de Fallecer							
0	0.01983	0.01652	0.01415	0.01239	0.01103	0.00994	0.00907	0.00835	0.01122	0.00724	0.00679	0.00641	0.00608	0.00578
5	0.02613	0.02212	0.01921	0.01701	0.01530	0.01391	0.01281	0.01188	0.01547	0.01042	0.00984	0.00933	0.00889	0.00849
10	0.03439	0.02958	0.02605	0.02334	0.02121	0.01947	0.01806	0.01687	0.02132	0.01499	0.01423	0.01357	0.01299	0.01247
15	0.04520	0.03952	0.03528	0.03199	0.02937	0.02721	0.02545	0.02395	0.02934	0.02155	0.02058	0.01972	0.01897	0.01828
20	0.05931	0.05271	0.04770	0.04377	0.04060	0.03797	0.03580	0.03394	0.04031	0.03094	0.02970	0.02862	0.02766	0.02678
25	0.07764	0.07013	0.06435	0.05975	0.05601	0.05286	0.05025	0.04799	0.05527	0.04431	0.04279	0.04144	0.04024	0.03913
30	0.10132	0.09302	0.08654	0.08132	0.07701	0.07337	0.07032	0.06766	0.07556	0.06328	0.06145	0.05982	0.05837	0.05702
35	0.13169	0.12287	0.11589	0.11019	0.10545	0.10140	0.09798	0.09497	0.10288	0.08998	0.08787	0.08599	0.08430	0.08273
40	0.17027	0.16141	0.15432	0.14847	0.14355	0.13931	0.13569	0.13250	0.13931	0.12714	0.12487	0.12283	0.12098	0.11927
45	0.21865	0.21052	0.20394	0.19847	0.19384	0.18982	0.18636	0.18329	0.18723	0.17809	0.17588	0.17388	0.17207	0.17039
50	0.27829	0.27196	0.26683	0.26254	0.25890	0.25573	0.25298	0.25053	0.24909	0.24639	0.24463	0.24303	0.24156	0.24023
55	0.35020	0.34702	0.34450	0.34245	0.34073	0.33928	0.33799	0.33687	0.32690	0.33501	0.33426	0.33358	0.33294	0.33241
60	0.43438	0.43578	0.43715	0.43848	0.43972	0.44093	0.44196	0.44296	0.42133	0.44480	0.44571	0.44652	0.44726	0.44806
65	0.52915	0.53629	0.54256	0.54816	0.55316	0.55775	0.56174	0.56545	0.53041	0.57203	0.57503	0.57777	0.58027	0.58277
70	0.63050	0.64368	0.65503	0.66499	0.67377	0.68171	0.68859	0.69492	0.64814	0.70597	0.71092	0.71542	0.71952	0.72353
75	0.73180	0.74984	0.76503	0.77807	0.78936	0.79936	0.80793	0.81567	0.76387	0.82889	0.83468	0.83987	0.84456	0.84907
80	0.82440	0.84442	0.86066	0.87410	0.88535	0.89500	0.90302	0.91007	0.86392	0.92163	0.92648	0.93075	0.93451	0.93803

Fuente : Cuadro 11.

Cuadro 35

AJUSTE DE LA FUNCION DE GOMPERTZ A LAS PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, 1975 - 2040

Hipótesis Baja

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
Probabilidades Observadas														
0	0.90261	0.91322	0.92175	0.92875	0.93458	0.93952	0.94374	0.94740	0.95059	0.95310	0.95590	0.95813	0.96013	0.96194
5	0.99157	0.99241	0.99310	0.99366	0.99414	0.99455	0.99490	0.99520	0.99547	0.99570	0.99536	0.99610	0.99627	0.99643
10	0.99471	0.99524	0.99566	0.99602	0.99631	0.99656	0.99678	0.99697	0.99714	0.99729	0.99746	0.99754	0.99765	0.99774
15	0.99131	0.99215	0.99285	0.99342	0.99391	0.99432	0.99468	0.99499	0.99526	0.99550	0.99572	0.99592	0.99609	0.99625
20	0.98595	0.98729	0.98839	0.98931	0.99008	0.99074	0.99131	0.99181	0.99225	0.99265	0.99299	0.99331	0.99359	0.99385
25	0.98272	0.98433	0.98565	0.98676	0.98769	0.98849	0.98919	0.98980	0.99034	0.99081	0.99124	0.99163	0.99197	0.99229
30	0.97868	0.98061	0.98219	0.98353	0.98466	0.98563	0.98648	0.98722	0.98788	0.98846	0.98899	0.98946	0.98989	0.99028
35	0.97319	0.97552	0.97746	0.97909	0.98048	0.98168	0.98272	0.98364	0.98446	0.98519	0.98584	0.98643	0.98697	0.98746
40	0.96715	0.96988	0.97216	0.97409	0.97574	0.97718	0.97844	0.97954	0.98053	0.98141	0.98220	0.98292	0.98357	0.98417
45	0.95769	0.96101	0.96380	0.96618	0.96824	0.97003	0.97160	0.97300	0.97424	0.97536	0.97637	0.97728	0.97812	0.97888
50	0.94508	0.94909	0.95249	0.95541	0.95795	0.96018	0.96215	0.96390	0.96548	0.96689	0.96818	0.96934	0.97041	0.97139
55	0.92695	0.93178	0.93594	0.93955	0.94272	0.94551	0.94800	0.95023	0.95224	0.95406	0.95572	0.95724	0.95863	0.95991
60	0.89932	0.90514	0.91023	0.91471	0.91868	0.92222	0.92541	0.92828	0.93086	0.93327	0.93545	0.93746	0.93931	0.94102
65	0.85700	0.86383	0.86989	0.87532	0.88021	0.88462	0.88864	0.89230	0.89566	0.89875	0.90161	0.90425	0.90671	0.90900
70	0.79066	0.79808	0.80483	0.81099	0.81665	0.82185	0.82665	0.83109	0.83522	0.83906	0.84265	0.84601	0.84916	0.85212
75	0.68424	0.69101	0.69736	0.70331	0.70889	0.71414	0.71909	0.72374	0.72814	0.73230	0.73625	0.73999	0.74355	0.74693
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parámetros														
d =	1.32680	1.35093	1.37214	1.39080	1.40771	1.42301	1.43686	1.44954	1.46120	1.47074	1.48002	1.49133	1.50013	1.50828
b =	0.99387	0.99562	0.99671	0.99743	0.99794	0.99831	0.99858	0.99879	0.99896	0.99908	0.99918	0.99928	0.99936	0.99942
K =	1.02098	1.01521	1.01135	1.00868	1.00671	1.00524	1.00412	1.00324	1.00255	1.00212	1.00172	1.00117	1.00085	1.00059
Probabilidades Estimadas														
0	1.01474	1.01076	1.00802	1.00609	1.00463	1.00353	1.00269	1.00203	1.00151	1.00119	1.00089	1.00045	1.00021	1.00001
5	1.01271	1.00921	1.00678	1.00507	1.00379	1.00281	1.00207	1.00149	1.00103	1.00075	1.00050	1.00010	0.99989	0.99972
10	1.01003	1.00711	1.00509	1.00367	1.00260	1.00179	1.00118	1.00070	1.00032	1.00011	0.99992	0.99957	0.99941	0.99927
15	1.00647	1.00428	1.00277	1.00171	1.00092	1.00034	0.99989	0.99955	0.99929	0.99917	0.99905	0.99879	0.99868	0.99860
20	1.00178	1.00047	0.99959	0.99901	0.99858	0.99827	0.99805	0.99790	0.99780	0.99779	0.99778	0.99763	0.99760	0.99759
25	0.99558	0.99535	0.99525	0.99525	0.99528	0.99534	0.99542	0.99551	0.99561	0.99577	0.99589	0.99589	0.99598	0.99607
30	0.98742	0.98847	0.98932	0.99005	0.99065	0.99118	0.99164	0.99205	0.99242	0.99279	0.99311	0.99332	0.99356	0.99378
35	0.97670	0.97926	0.98125	0.98286	0.98418	0.98529	0.98624	0.98706	0.98778	0.98843	0.98900	0.98948	0.98993	0.99034
40	0.96265	0.96694	0.97028	0.97295	0.97514	0.97698	0.97854	0.97988	0.98105	0.98205	0.98295	0.98379	0.98451	0.98517
45	0.94432	0.95055	0.95542	0.95933	0.96256	0.96526	0.96757	0.96955	0.97128	0.97275	0.97407	0.97536	0.97644	0.97742
50	0.92054	0.92885	0.93541	0.94070	0.94512	0.94884	0.95202	0.95478	0.95719	0.95922	0.96107	0.96293	0.96446	0.96585
55	0.88991	0.90032	0.90863	0.91540	0.92110	0.92595	0.93012	0.93376	0.93697	0.93967	0.94215	0.94468	0.94677	0.94866
60	0.85084	0.86317	0.87312	0.88134	0.88832	0.89432	0.89953	0.90412	0.90818	0.91164	0.91483	0.91810	0.92082	0.92330
65	0.80163	0.81540	0.82665	0.83606	0.84414	0.85116	0.85733	0.86281	0.86771	0.87193	0.87584	0.87985	0.88323	0.88634
70	0.74071	0.75503	0.76689	0.77692	0.78565	0.79332	0.80014	0.80625	0.81178	0.81664	0.82116	0.82574	0.82970	0.83336
75	0.66697	0.68052	0.69185	0.70157	0.71012	0.71772	0.72458	0.73079	0.73648	0.74163	0.74644	0.75117	0.75541	0.75939
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Cuadro 35
(Continuación)

AJUSTE DE LA FUNCION DE GOMPERTZ A LAS PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, 1975 - 2040

Hipótesis Baja

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
Fuerza de Mortalidad														
0	0.00173	0.00132	0.00104	0.00085	0.00071	0.00060	0.00051	0.00045	0.00040	0.00036	0.00032	0.00029	0.00026	0.00024
5	0.00230	0.00178	0.00143	0.00118	0.00099	0.00085	0.00074	0.00065	0.00058	0.00052	0.00048	0.00043	0.00039	0.00036
10	0.00305	0.00241	0.00197	0.00164	0.00140	0.00121	0.00106	0.00094	0.00084	0.00077	0.00071	0.00064	0.00059	0.00054
15	0.00405	0.00326	0.00270	0.00229	0.00197	0.00172	0.00153	0.00137	0.00123	0.00113	0.00104	0.00095	0.00088	0.00082
20	0.00537	0.00440	0.00370	0.00318	0.00277	0.00245	0.00219	0.00198	0.00180	0.00167	0.00155	0.00141	0.00132	0.00123
25	0.00712	0.00594	0.00508	0.00442	0.00391	0.00349	0.00315	0.00287	0.00264	0.00245	0.00229	0.00211	0.00198	0.00186
30	0.00945	0.00803	0.00697	0.00615	0.00550	0.00497	0.00453	0.00416	0.00385	0.00361	0.00338	0.00315	0.00297	0.00281
35	0.01254	0.01085	0.00956	0.00856	0.00774	0.00707	0.00651	0.00604	0.00563	0.00530	0.00501	0.00469	0.00445	0.00423
40	0.01663	0.01465	0.01312	0.01190	0.01089	0.01006	0.00935	0.00875	0.00822	0.00780	0.00741	0.00700	0.00667	0.00638
45	0.02207	0.01979	0.01800	0.01655	0.01534	0.01431	0.01344	0.01268	0.01202	0.01147	0.01097	0.01044	0.01001	0.00963
50	0.02928	0.02674	0.02470	0.02302	0.02159	0.02037	0.01931	0.01838	0.01756	0.01687	0.01624	0.01556	0.01502	0.01452
55	0.03885	0.03612	0.03389	0.03201	0.03039	0.02898	0.02775	0.02664	0.02566	0.02482	0.02404	0.02321	0.02253	0.02190
60	0.05155	0.04880	0.04650	0.04452	0.04278	0.04125	0.03987	0.03862	0.03749	0.03650	0.03557	0.03462	0.03380	0.03304
65	0.06839	0.06593	0.06380	0.06192	0.06023	0.05869	0.05728	0.05598	0.05478	0.05368	0.05265	0.05163	0.05070	0.04983
70	0.09074	0.08906	0.08754	0.08612	0.08478	0.08352	0.08231	0.08115	0.08005	0.07896	0.07792	0.07699	0.07606	0.07516
75	0.12040	0.12032	0.12012	0.11977	0.11935	0.11885	0.11826	0.11763	0.11697	0.11612	0.11532	0.11482	0.11410	0.11336
80	0.15974	0.16254	0.16482	0.16658	0.16801	0.16912	0.16992	0.17051	0.17092	0.17079	0.17068	0.17123	0.17116	0.17098
Probabilidad Condicional de Fallecer														
0	0.01888	0.01525	0.01267	0.01077	0.00931	0.00817	0.00725	0.00651	0.00589	0.00542	0.00500	0.00455	0.00422	0.00394
5	0.02497	0.02055	0.01734	0.01495	0.01308	0.01160	0.01040	0.00942	0.00859	0.00796	0.00739	0.00678	0.00633	0.00594
10	0.03300	0.02765	0.02372	0.02073	0.01837	0.01647	0.01491	0.01362	0.01253	0.01168	0.01092	0.01010	0.00948	0.00894
15	0.04354	0.03718	0.03240	0.02872	0.02576	0.02335	0.02136	0.01969	0.01826	0.01714	0.01612	0.01502	0.01419	0.01345
20	0.05735	0.04989	0.04419	0.03972	0.03607	0.03306	0.03055	0.02841	0.02657	0.02510	0.02376	0.02232	0.02121	0.02022
25	0.07537	0.06681	0.06013	0.05481	0.05040	0.04672	0.04360	0.04092	0.03859	0.03670	0.03496	0.03310	0.03165	0.03034
30	0.09875	0.08918	0.08157	0.07540	0.07021	0.06582	0.06204	0.05876	0.05588	0.05350	0.05131	0.04897	0.04710	0.04541
35	0.12886	0.11855	0.11019	0.10329	0.09740	0.09233	0.08792	0.08404	0.08058	0.07769	0.07499	0.07214	0.06981	0.06769
40	0.16727	0.15673	0.14802	0.14070	0.13434	0.12878	0.12386	0.11948	0.11553	0.11214	0.10897	0.10565	0.10288	0.10032
45	0.21562	0.20569	0.19733	0.19014	0.18379	0.17813	0.17304	0.16843	0.16422	0.16048	0.15698	0.15340	0.15029	0.14739
50	0.27546	0.26736	0.26038	0.25421	0.24865	0.24358	0.23891	0.23459	0.23058	0.22684	0.22332	0.21991	0.21675	0.21376
55	0.34788	0.34313	0.33891	0.33497	0.33131	0.32783	0.32447	0.32127	0.31819	0.31503	0.31205	0.30951	0.30684	0.30423
60	0.43291	0.43321	0.43327	0.43297	0.43250	0.43180	0.43086	0.42978	0.42859	0.42679	0.42512	0.42439	0.42293	0.42138
65	0.52887	0.53560	0.54123	0.54573	0.54954	0.55264	0.55507	0.55703	0.55859	0.55890	0.55927	0.56120	0.56166	0.56185
70	0.63160	0.64519	0.65671	0.66627	0.67458	0.68167	0.68765	0.69282	0.69727	0.69994	0.70258	0.70724	0.70982	0.71195
75	0.73417	0.75335	0.76940	0.78266	0.79410	0.80385	0.81213	0.81930	0.82554	0.82974	0.83382	0.83990	0.84371	0.84699
80	0.82759	0.84908	0.86641	0.88030	0.89190	0.90152	0.90950	0.91626	0.92202	0.92601	0.92979	0.93492	0.93823	0.94107

Fuente : Cuadro 24.

Cuadro 36

AJUSTE DE LA FUNCION DE GOMPERTZ A LAS PROBABILIDADES DE SOBREVIVENCIA FEMENINAS PROYECTADAS, 1980 - 2040

Hipótesis Alta

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
Probabilidades Observadas													
0	0.92672	0.93449	0.94061	0.94550	0.94945	0.95268	0.95535	0.95757	0.95944	0.96102	0.96236	0.96352	0.96453
5	0.99312	0.99379	0.99432	0.99474	0.99509	0.99537	0.99560	0.99580	0.99596	0.99610	0.99621	0.99631	0.99640
10	0.99628	0.99664	0.99693	0.99715	0.99734	0.99749	0.99762	0.99772	0.99781	0.99788	0.99794	0.99800	0.99804
15	0.99478	0.99528	0.99568	0.99599	0.99625	0.99646	0.99664	0.99678	0.99691	0.99701	0.99710	0.99717	0.99723
20	0.99195	0.99271	0.99332	0.99380	0.99419	0.99452	0.99479	0.99501	0.99519	0.99535	0.99548	0.99560	0.99570
25	0.98956	0.99053	0.99130	0.99192	0.99242	0.99284	0.99318	0.99347	0.99370	0.99391	0.99408	0.99422	0.99435
30	0.98672	0.98782	0.98888	0.98966	0.99029	0.99081	0.99124	0.99160	0.99190	0.99215	0.99236	0.99255	0.99270
35	0.98337	0.98484	0.98601	0.98696	0.98774	0.98838	0.98891	0.98935	0.98972	0.99003	0.99030	0.99052	0.99071
40	0.97983	0.98163	0.98294	0.98406	0.98499	0.98574	0.98637	0.98690	0.98734	0.98771	0.98802	0.98829	0.98852
45	0.97363	0.97589	0.97755	0.97897	0.98014	0.98111	0.98191	0.98258	0.98314	0.98361	0.98401	0.98435	0.98464
50	0.96346	0.96650	0.96862	0.97051	0.97207	0.97336	0.97444	0.97533	0.97609	0.97672	0.97725	0.97771	0.97810
55	0.94890	0.95310	0.95563	0.95813	0.96020	0.96192	0.96335	0.96455	0.96556	0.96640	0.96712	0.96772	0.96823
60	0.92597	0.93080	0.93481	0.93815	0.94092	0.94324	0.94517	0.94680	0.94816	0.94931	0.95027	0.95109	0.95177
65	0.88877	0.89501	0.90026	0.90467	0.90837	0.91148	0.91409	0.91628	0.91812	0.91966	0.92096	0.92205	0.92296
70	0.82649	0.83412	0.84065	0.84623	0.85096	0.85496	0.85834	0.86118	0.86356	0.86555	0.86721	0.86859	0.86973
75	0.71913	0.72719	0.73425	0.74038	0.74565	0.75014	0.75394	0.75712	0.75978	0.76197	0.76376	0.76521	0.76635
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parámetros													
d =	1.39006	1.41323	1.43077	1.44697	1.46141	1.47377	1.48489	1.49468	1.50374	1.51145	1.51850	1.52497	1.53095
b =	0.99750	0.99816	0.99854	0.99882	0.99902	0.99916	0.99927	0.99935	0.99942	0.99947	0.99951	0.99955	0.99957
K =	1.01272	1.00970	1.00786	1.00645	1.00538	1.00460	1.00397	1.00348	1.00306	1.00275	1.00248	1.00225	1.00205
Probabilidades Estimadas													
0	1.01018	1.00784	1.00639	1.00526	1.00439	1.00375	1.00324	1.00283	1.00248	1.00222	1.00199	1.00179	1.00162
5	1.00920	1.00707	1.00576	1.00473	1.00394	1.00335	1.00288	1.00251	1.00219	1.00194	1.00173	1.00155	1.00140
10	1.00782	1.00599	1.00485	1.00396	1.00327	1.00276	1.00235	1.00203	1.00174	1.00153	1.00135	1.00119	1.00105
15	1.00592	1.00446	1.00356	1.00285	1.00230	1.00190	1.00157	1.00131	1.00108	1.00091	1.00076	1.00063	1.00052
20	1.00328	1.00230	1.00171	1.00124	1.00088	1.00062	1.00040	1.00023	1.00008	0.99997	0.99987	0.99979	0.99971
25	0.99963	0.99926	0.99907	0.99893	0.99881	0.99874	0.99868	0.99863	0.99858	0.99855	0.99852	0.99850	0.99847
30	0.99457	0.99497	0.99531	0.99558	0.99579	0.99597	0.99612	0.99624	0.99633	0.99641	0.99648	0.99653	0.99658
35	0.98757	0.98895	0.98996	0.99076	0.99140	0.99192	0.99233	0.99267	0.99295	0.99319	0.99338	0.99355	0.99369
40	0.97793	0.98049	0.98235	0.98383	0.98501	0.98596	0.98674	0.98737	0.98789	0.98833	0.98870	0.98901	0.98928
45	0.96469	0.96867	0.97156	0.97389	0.97576	0.97726	0.97848	0.97949	0.98034	0.98104	0.98163	0.98213	0.98256
50	0.94658	0.95221	0.95632	0.95968	0.96239	0.96456	0.96636	0.96784	0.96909	0.97012	0.97099	0.97173	0.97237
55	0.92197	0.92941	0.93495	0.93948	0.94317	0.94616	0.94863	0.95068	0.95241	0.95384	0.95505	0.95608	0.95697
60	0.88882	0.89813	0.90519	0.91101	0.91578	0.91967	0.92291	0.92559	0.92787	0.92975	0.93134	0.93270	0.93386
65	0.84471	0.85571	0.86425	0.87133	0.87718	0.88198	0.88599	0.88933	0.89216	0.89450	0.89647	0.89815	0.89957
70	0.78701	0.79915	0.80887	0.81695	0.82367	0.82923	0.83388	0.83776	0.84103	0.84373	0.84599	0.84790	0.84949
75	0.71328	0.72553	0.73575	0.74422	0.75129	0.75718	0.76210	0.76619	0.76960	0.77241	0.77473	0.77663	0.77817
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Cuadro 36

AJUSTE DE LA FUNCION DE GOMPERTZ A LAS PROBABILIDADES DE SOBREVIVENCIA FEMENINAS PROYECTADAS, 1980 - 2040

Hipótesis Alta

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
						Fuerza de Mortalidad							
0	0.00083	0.00064	0.00052	0.00044	0.00037	0.00033	0.00029	0.00026	0.00024	0.00022	0.00020	0.00019	0.00018
5	0.00115	0.00090	0.00075	0.00063	0.00055	0.00048	0.00043	0.00039	0.00036	0.00033	0.00031	0.00029	0.00028
10	0.00160	0.00127	0.00107	0.00091	0.00080	0.00071	0.00064	0.00058	0.00054	0.00050	0.00047	0.00045	0.00042
15	0.00222	0.00180	0.00153	0.00132	0.00116	0.00104	0.00095	0.00087	0.00081	0.00076	0.00072	0.00068	0.00065
20	0.00308	0.00255	0.00219	0.00192	0.00170	0.00154	0.00141	0.00130	0.00122	0.00115	0.00109	0.00104	0.00099
25	0.00429	0.00360	0.00314	0.00277	0.00249	0.00227	0.00209	0.00195	0.00183	0.00173	0.00165	0.00158	0.00152
30	0.00596	0.00508	0.00449	0.00401	0.00364	0.00334	0.00310	0.00291	0.00275	0.00262	0.00251	0.00241	0.00233
35	0.00828	0.00718	0.00642	0.00580	0.00531	0.00493	0.00461	0.00435	0.00413	0.00396	0.00381	0.00368	0.00357
40	0.01151	0.01015	0.00918	0.00840	0.00776	0.00726	0.00685	0.00651	0.00622	0.00598	0.00578	0.00561	0.00546
45	0.01600	0.01435	0.01314	0.01215	0.01135	0.01070	0.01017	0.00972	0.00935	0.00904	0.00878	0.00856	0.00836
50	0.02224	0.02028	0.01880	0.01758	0.01658	0.01577	0.01510	0.01454	0.01406	0.01367	0.01333	0.01305	0.01280
55	0.03092	0.02866	0.02690	0.02544	0.02423	0.02324	0.02241	0.02173	0.02114	0.02066	0.02025	0.01990	0.01960
60	0.04298	0.04050	0.03849	0.03681	0.03541	0.03426	0.03328	0.03247	0.03179	0.03122	0.03075	0.03035	0.03001
65	0.05974	0.05724	0.05507	0.05327	0.05175	0.05048	0.04942	0.04854	0.04780	0.04719	0.04669	0.04628	0.04595
70	0.08305	0.08089	0.07879	0.07707	0.07563	0.07440	0.07339	0.07255	0.07188	0.07132	0.07090	0.07057	0.07034
75	0.11544	0.11432	0.11273	0.11152	0.11053	0.10965	0.10897	0.10843	0.10809	0.10780	0.10766	0.10762	0.10769
80	0.16047	0.16155	0.16129	0.16137	0.16153	0.16161	0.16181	0.16207	0.16253	0.16294	0.16348	0.16411	0.16487
						Probabilidad Condicional de Fallecer							
0	0.01045	0.00852	0.00727	0.00630	0.00556	0.00500	0.00455	0.00419	0.00389	0.00366	0.00346	0.00329	0.00315
5	0.01450	0.01202	0.01038	0.00910	0.00811	0.00735	0.00674	0.00626	0.00585	0.00552	0.00525	0.00501	0.00481
10	0.02009	0.01694	0.01482	0.01314	0.01183	0.01082	0.01000	0.00933	0.00878	0.00833	0.00796	0.00763	0.00736
15	0.02782	0.02386	0.02114	0.01896	0.01724	0.01590	0.01481	0.01392	0.01317	0.01257	0.01206	0.01162	0.01124
20	0.03846	0.03355	0.03010	0.02732	0.02510	0.02335	0.02191	0.02073	0.01974	0.01893	0.01825	0.01766	0.01716
25	0.05306	0.04708	0.04279	0.03929	0.03647	0.03422	0.03236	0.03083	0.02953	0.02848	0.02758	0.02681	0.02614
30	0.07299	0.06589	0.06065	0.05635	0.05284	0.05002	0.04767	0.04573	0.04408	0.04273	0.04158	0.04059	0.03975
35	0.09999	0.09183	0.08563	0.08050	0.07627	0.07283	0.06996	0.06757	0.06554	0.06387	0.06245	0.06124	0.06020
40	0.13623	0.12727	0.12022	0.11435	0.10948	0.10547	0.10210	0.09929	0.09691	0.09494	0.09328	0.09187	0.09068
45	0.18419	0.17501	0.16745	0.16114	0.15587	0.15147	0.14778	0.14470	0.14211	0.13996	0.13817	0.13667	0.13543
50	0.24646	0.23805	0.23065	0.22451	0.21935	0.21500	0.21137	0.20835	0.20585	0.20379	0.20212	0.20077	0.19972
55	0.32521	0.31902	0.31282	0.30782	0.30364	0.30006	0.29714	0.29475	0.29291	0.29139	0.29027	0.28948	0.28900
60	0.42120	0.41900	0.41536	0.41277	0.41072	0.40891	0.40759	0.40663	0.40618	0.40585	0.40587	0.40618	0.40678
65	0.53237	0.53577	0.53605	0.53712	0.53832	0.53925	0.54042	0.54166	0.54330	0.54474	0.54644	0.54832	0.55042
70	0.65235	0.66193	0.66673	0.67195	0.67680	0.68082	0.68476	0.68841	0.69227	0.69558	0.69898	0.70240	0.70592
75	0.76977	0.78403	0.79240	0.80067	0.80808	0.81420	0.81989	0.82498	0.83004	0.83431	0.83847	0.84249	0.84645
80	0.87017	0.88536	0.89453	0.90306	0.91039	0.91630	0.92156	0.92610	0.93039	0.93393	0.93723	0.94031	0.94322

Fuente : Cuadro 25.

Cuadro 37

AJUSTE DE LA FUNCION DE GOMPERTZ A LAS PROBABILIDADES DE SOBREVIVENCIA FEMENINAS PROYECTADAS, 1980 - 2040

Hipótesis Baja

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
Probabilidades Observadas													
0	0.93001	0.93892	0.94603	0.95178	0.95648	0.96035	0.96357	0.96628	0.96856	0.97051	0.97217	0.97361	0.97485
5	0.99342	0.99420	0.99483	0.99535	0.99577	0.99612	0.99641	0.99666	0.99687	0.99704	0.99720	0.99733	0.99745
10	0.99645	0.99687	0.99720	0.99748	0.99771	0.99790	0.99805	0.99819	0.99830	0.99839	0.99848	0.99855	0.99861
15	0.99501	0.99560	0.99607	0.99645	0.99677	0.99703	0.99725	0.99744	0.99760	0.99773	0.99785	0.99795	0.99803
20	0.99231	0.99320	0.99391	0.99450	0.99499	0.99539	0.99573	0.99602	0.99626	0.99647	0.99665	0.99680	0.99694
25	0.99002	0.99115	0.99207	0.99283	0.99345	0.99398	0.99441	0.99478	0.99510	0.99537	0.99560	0.99580	0.99897
30	0.98729	0.98870	0.98986	0.99081	0.99160	0.99226	0.99281	0.99328	0.99368	0.99402	0.99431	0.99457	0.99479
35	0.98408	0.98581	0.98723	0.98840	0.98938	0.99019	0.99088	0.99147	0.99196	0.99239	0.99276	0.99307	0.99335
40	0.98067	0.98271	0.98440	0.98580	0.98696	0.98794	0.98877	0.98947	0.99007	0.99059	0.99103	0.99142	0.99175
45	0.97470	0.97728	0.97943	0.98121	0.98271	0.98398	0.98504	0.98595	0.98673	0.98740	0.98798	0.98848	0.98892
50	0.96489	0.96831	0.97117	0.97357	0.97560	0.97731	0.97877	0.98002	0.98109	0.98201	0.98281	0.98350	0.98410
55	0.95079	0.95529	0.95909	0.96232	0.96505	0.96738	0.96938	0.97109	0.97256	0.97384	0.97494	0.97590	0.97674
60	0.92851	0.93448	0.93959	0.94398	0.94775	0.95099	0.95377	0.95618	0.95826	0.96007	0.96165	0.96302	0.96422
65	0.89219	0.90003	0.90689	0.91288	0.91809	0.92262	0.92657	0.93001	0.93301	0.93563	0.93792	0.93993	0.94169
70	0.83097	0.84078	0.84966	0.85758	0.86463	0.87087	0.87638	0.88124	0.88553	0.88932	0.89265	0.89559	0.89818
75	0.72492	0.73525	0.74545	0.75486	0.76346	0.77127	0.77833	0.78467	0.79036	0.79543	0.79996	0.80398	0.80756
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parámetros													
d =	1.39665	1.42253	1.44476	1.46441	1.48178	1.49731	1.51125	1.52372	1.53498	1.54510	1.55441	1.56297	1.52479
b =	0.99774	0.99840	0.99882	0.99909	0.99928	0.99941	0.99951	0.99958	0.99964	0.99969	0.99972	0.99975	0.99964
K =	1.01169	1.00860	1.00655	1.00510	1.00406	1.00328	1.00269	1.00224	1.00187	1.00159	1.00136	1.00116	1.00337
Probabilidades Estimadas													
0	1.00940	1.00699	1.00536	1.00419	1.00333	1.00269	1.00220	1.00182	1.00151	1.00128	1.00108	1.00091	1.00301
5	1.00850	1.00632	1.00483	1.00376	1.00298	1.00240	1.00195	1.00160	1.00132	1.00111	1.00092	1.00077	1.00282
10	1.00723	1.00535	1.00406	1.00314	1.00247	1.00196	1.00157	1.00127	1.00103	1.00084	1.00068	1.00055	1.00254
15	1.00547	1.00398	1.00296	1.00223	1.00170	1.00130	1.00099	1.00076	1.00057	1.00043	1.00031	1.00020	1.00210
20	1.00302	1.00203	1.00137	1.00090	1.00057	1.00032	1.00013	0.99999	0.99988	0.99980	0.99973	0.99967	1.00143
25	0.99960	0.99927	0.99907	0.99896	0.99889	0.99885	0.99882	0.99882	0.99881	0.99882	0.99882	0.99882	1.00041
30	0.99484	0.99535	0.99577	0.99611	0.99641	0.99665	0.99685	0.99703	0.99718	0.99731	0.99742	0.99751	0.99886
35	0.98824	0.98980	0.99101	0.99197	0.99274	0.99337	0.99388	0.99432	0.99468	0.99498	0.99524	0.99546	0.99650
40	0.97908	0.98196	0.98418	0.98593	0.98733	0.98847	0.98941	0.99019	0.99085	0.99140	0.99187	0.99227	0.99292
45	0.96645	0.97091	0.97439	0.97715	0.97937	0.98119	0.98269	0.98395	0.98500	0.98589	0.98665	0.98730	0.98748
50	0.94906	0.95542	0.96041	0.96443	0.96770	0.97039	0.97263	0.97450	0.97609	0.97743	0.97859	0.97958	0.97924
55	0.92531	0.93379	0.94058	0.94611	0.95065	0.95443	0.95761	0.96029	0.96256	0.96451	0.96619	0.96764	0.96680
60	0.89313	0.90388	0.91265	0.91990	0.92595	0.93103	0.93535	0.93902	0.94217	0.94487	0.94723	0.94927	0.94815
65	0.85005	0.86296	0.87375	0.88283	0.89051	0.89707	0.90268	0.90752	0.91170	0.91532	0.91849	0.92125	0.92040
70	0.79333	0.80793	0.82047	0.83122	0.84049	0.84851	0.85548	0.86155	0.86685	0.87147	0.87554	0.87910	0.87964
75	0.72040	0.73564	0.74917	0.76103	0.77148	0.78067	0.78877	0.79593	0.80224	0.80780	0.81272	0.81705	0.82093
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Cuadro 37
(Continuación)

AJUSTE DE LA FUNCION DE GOMPERTZ A LAS PROBABILIDADES DE SOBREVIVENCIA FEMENINAS PROYECTADAS, 1980 - 2040

Hipótesis Baja

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
						Fuerza de Mortalidad							
0	0.00076	0.00056	0.00044	0.00035	0.00028	0.00024	0.00020	0.00018	0.00015	0.00014	0.00012	0.00011	0.00015
5	0.00106	0.00080	0.00063	0.00051	0.00042	0.00036	0.00031	0.00027	0.00024	0.00021	0.00019	0.00017	0.00023
10	0.00147	0.00114	0.00091	0.00074	0.00062	0.00053	0.00046	0.00041	0.00036	0.00033	0.00030	0.00027	0.00035
15	0.00206	0.00162	0.00131	0.00109	0.00092	0.00080	0.00070	0.00062	0.00056	0.00051	0.00046	0.00043	0.00054
20	0.00288	0.00230	0.00190	0.00160	0.00137	0.00119	0.00106	0.00094	0.00085	0.00078	0.00072	0.00067	0.00082
25	0.00402	0.00328	0.00274	0.00234	0.00203	0.00179	0.00159	0.00144	0.00131	0.00121	0.00112	0.00104	0.00125
30	0.00561	0.00466	0.00396	0.00343	0.00301	0.00268	0.00241	0.00219	0.00201	0.00186	0.00174	0.00163	0.00190
35	0.00784	0.00663	0.00572	0.00502	0.00446	0.00401	0.00364	0.00334	0.00309	0.00288	0.00270	0.00255	0.00290
40	0.01094	0.00933	0.00827	0.00735	0.00661	0.00600	0.00550	0.00509	0.00474	0.00445	0.00420	0.00398	0.00442
45	0.01528	0.01342	0.01195	0.01076	0.00979	0.00899	0.00832	0.00776	0.00728	0.00688	0.00653	0.00623	0.00674
50	0.02135	0.01909	0.01726	0.01576	0.01451	0.01346	0.01257	0.01182	0.01117	0.01062	0.01015	0.00973	0.01027
55	0.02981	0.02714	0.02494	0.02307	0.02149	0.02015	0.01900	0.01801	0.01715	0.01642	0.01577	0.01521	0.01566
60	0.04164	0.03864	0.03603	0.03379	0.03185	0.03017	0.02871	0.02744	0.02633	0.02536	0.02451	0.02377	0.02388
65	0.05816	0.05496	0.05206	0.04948	0.04719	0.04517	0.04339	0.04181	0.04041	0.03919	0.03810	0.03715	0.03641
70	0.08122	0.07819	0.07521	0.07246	0.06993	0.06764	0.06557	0.06370	0.06204	0.06055	0.05923	0.05806	0.05552
75	0.11344	0.11122	0.10866	0.10611	0.10362	0.10127	0.09909	0.09707	0.09522	0.09356	0.09206	0.09075	0.08466
80	0.15844	0.15822	0.15699	0.15538	0.15354	0.15164	0.14975	0.14790	0.14617	0.14455	0.14311	0.14184	0.12908
						Probabilidad Condicional de Fallecer							
0	0.00971	0.00767	0.00625	0.00521	0.00443	0.00383	0.00337	0.00300	0.00270	0.00246	0.00225	0.00208	0.00259
5	0.01354	0.01090	0.00902	0.00762	0.00656	0.00573	0.00508	0.00456	0.00414	0.00379	0.00350	0.00325	0.00395
10	0.01886	0.01547	0.01300	0.01114	0.00970	0.00857	0.00767	0.00694	0.00634	0.00585	0.00543	0.00508	0.00602
15	0.02624	0.02193	0.01873	0.01627	0.01434	0.01281	0.01157	0.01056	0.00972	0.00903	0.00843	0.00793	0.00916
20	0.03646	0.03105	0.02694	0.02373	0.02118	0.01912	0.01743	0.01604	0.01488	0.01391	0.01308	0.01237	0.01393
25	0.05055	0.04388	0.03869	0.03456	0.03122	0.02849	0.02623	0.02434	0.02275	0.02141	0.02026	0.01926	0.02117
30	0.06989	0.06184	0.05542	0.05020	0.04592	0.04236	0.03937	0.03685	0.03471	0.03289	0.03131	0.02994	0.03209
35	0.09624	0.08681	0.07907	0.07265	0.06728	0.06275	0.05890	0.05561	0.05279	0.05036	0.04825	0.04640	0.04852
40	0.13179	0.12118	0.11220	0.10457	0.09806	0.09247	0.08766	0.08349	0.07987	0.07674	0.07398	0.07158	0.07304
45	0.17912	0.16786	0.15797	0.14934	0.14181	0.13523	0.12946	0.12440	0.11995	0.11606	0.11262	0.10959	0.10921
50	0.24094	0.23003	0.21996	0.21090	0.20277	0.19551	0.18903	0.18324	0.17810	0.17355	0.16949	0.16592	0.16166
55	0.31956	0.31055	0.30155	0.29310	0.28523	0.27800	0.27140	0.26540	0.25997	0.25510	0.25075	0.24690	0.23576
60	0.41592	0.41079	0.40459	0.39827	0.39199	0.38598	0.38030	0.37497	0.37006	0.36558	0.36156	0.35801	0.33633
65	0.52811	0.52881	0.52721	0.52471	0.52159	0.51822	0.51478	0.51133	0.50804	0.50495	0.50218	0.49977	0.46480
70	0.64968	0.65714	0.66118	0.66354	0.66462	0.66494	0.66475	0.66415	0.66340	0.66255	0.66183	0.66130	0.61448
75	0.76891	0.78188	0.79063	0.79712	0.80187	0.80548	0.80826	0.81034	0.81201	0.81335	0.81461	0.81587	0.76622
80	0.87075	0.88538	0.89555	0.90328	0.90917	0.91383	0.91759	0.92060	0.92312	0.92524	0.92717	0.92898	0.89096

Fuente : Cuadro 25.

Cuadro 38

AJUSTE DE LA FUNCION DE GOMPERTZ-MAKEHAM A LAS PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, 1975 - 2040

Hipótesis Alta

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
Probabilidades Observadas														
0	0.89996	0.90923	0.91661	0.92262	0.92760	0.93181	0.93541	0.93852	0.94124	0.94364	0.94577	0.94768	0.94940	0.95096
5	0.99134	0.99207	0.99265	0.99312	0.99352	0.99386	0.99414	0.99439	0.99461	0.99481	0.99498	0.99514	0.99528	0.99540
10	0.99457	0.99502	0.99538	0.99568	0.99592	0.99613	0.99631	0.99647	0.99660	0.99672	0.99683	0.99693	0.99702	0.99710
15	0.99107	0.99180	0.99239	0.99287	0.99327	0.99361	0.99390	0.99415	0.99438	0.99458	0.99475	0.99491	0.99505	0.99518
20	0.98558	0.98673	0.98766	0.98842	0.98905	0.98959	0.99006	0.99047	0.99908	0.99114	0.99142	0.99167	0.99190	0.99211
25	0.98227	0.98364	0.98475	0.98567	0.98643	0.98708	0.98765	0.98814	0.98857	0.98895	0.98929	0.98960	0.98988	0.99013
30	0.97814	0.97978	0.98110	0.98220	0.98312	0.98390	0.98458	0.98517	0.98570	0.98616	0.98657	0.98695	0.98729	0.98759
35	0.97253	0.97450	0.97611	0.97743	0.97856	0.97951	0.98035	0.98107	0.98171	0.98228	0.98279	0.98325	0.98367	0.98405
40	0.96637	0.96866	0.97054	0.97210	0.97342	0.97455	0.97554	0.97640	0.97716	0.97784	0.97845	0.97900	0.97950	0.97995
45	0.95673	0.95950	0.96178	0.96368	0.96530	0.96670	0.96791	0.96898	0.96992	0.97077	0.97153	0.97221	0.97283	0.97340
50	0.94391	0.94722	0.94996	0.95227	0.95424	0.95595	0.95744	0.95875	0.95992	0.96096	0.96190	0.96276	0.96353	0.96424
55	0.92550	0.92946	0.93276	0.93557	0.93798	0.94007	0.94191	0.94353	0.94498	0.94628	0.94746	0.94852	0.94949	0.95039
60	0.89752	0.90223	0.90620	0.90960	0.91254	0.91511	0.91738	0.91940	0.92121	0.92284	0.92431	0.92565	0.92688	0.92801
65	0.85483	0.86022	0.86484	0.86883	0.87232	0.87539	0.87812	0.88056	0.88276	0.88475	0.88656	0.88821	0.88972	0.89112
70	0.78815	0.79383	0.79877	0.80309	0.80690	0.81030	0.81333	0.81606	0.81854	0.82079	0.82284	0.82472	0.82645	0.82805
75	0.68166	0.68656	0.69087	0.69469	0.69809	0.70115	0.70390	0.70638	0.70864	0.71070	0.71259	0.71432	0.71591	0.71738
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parámetros														
d =	1.32183	1.34279	1.36080	1.37657	1.39052	1.40312	1.41422	1.42440	1.38185	1.44229	1.45026	1.45758	1.46432	1.47079
b =	0.99342	0.99506	0.99612	0.99684	0.99736	0.99775	0.99804	0.99828	0.99721	0.99862	0.99874	0.99885	0.99894	0.99901
a =	0.99433	0.99430	0.99434	0.99441	0.99450	0.99460	0.99470	0.99479	0.99474	0.99497	0.99505	0.99512	0.99520	0.99526
K =	1.05960	1.05468	1.05095	1.04798	1.04556	1.04350	1.04181	1.04032	1.04938	1.03786	1.03683	1.03591	1.03510	1.03433
Probabilidades Estimadas														
0	1.05263	1.04947	1.04687	1.04467	1.04280	1.04116	1.03977	1.03852	1.04645	1.03642	1.03552	1.03472	1.03399	1.03331
5	1.04444	1.04172	1.03948	1.03760	1.03600	1.03460	1.03342	1.03236	1.03984	1.03057	1.02981	1.02913	1.02852	1.02794
10	1.03561	1.03342	1.03162	1.03012	1.02883	1.02770	1.02676	1.02591	1.03285	1.02448	1.02387	1.02332	1.02284	1.02237
15	1.02593	1.02439	1.02312	1.02205	1.02114	1.02033	1.01966	1.01906	1.02533	1.01803	1.01759	1.01719	1.01684	1.01651
20	1.01512	1.01437	1.01374	1.01319	1.01272	1.01229	1.01194	1.01161	1.01707	1.01105	1.01080	1.01058	1.01039	1.01020
25	1.00284	1.00304	1.00316	1.00323	1.00328	1.00329	1.00331	1.00331	1.00779	1.00329	1.00328	1.00326	1.00325	1.00323
30	0.98865	0.98996	0.99097	0.99178	0.99243	0.99296	0.99343	0.99381	0.99712	0.99444	0.99469	0.99491	0.99512	0.99529
35	0.97197	0.97457	0.97662	0.97828	0.97965	0.98079	0.98177	0.98261	0.98454	0.98399	0.98456	0.98507	0.98552	0.98594
40	0.95210	0.95616	0.95939	0.96203	0.96422	0.96607	0.96765	0.96902	0.96936	0.97128	0.97222	0.97306	0.97382	0.97451
45	0.92815	0.93381	0.93835	0.94208	0.94520	0.94785	0.95012	0.95209	0.95068	0.95536	0.95674	0.95797	0.95907	0.96008
50	0.89906	0.90640	0.91233	0.91723	0.92135	0.92488	0.92790	0.93055	0.92732	0.93495	0.93681	0.93848	0.93998	0.94136
55	0.86358	0.87256	0.87987	0.88596	0.89110	0.89554	0.89935	0.90270	0.89780	0.90831	0.91068	0.91282	0.91474	0.91652
60	0.82032	0.83072	0.83927	0.84643	0.85252	0.85780	0.86235	0.86638	0.86027	0.87315	0.87603	0.87863	0.88098	0.88315
65	0.76784	0.77921	0.78863	0.79657	0.80336	0.80928	0.81441	0.81896	0.81261	0.82667	0.82996	0.83294	0.83564	0.83814
70	0.70489	0.71644	0.72607	0.73424	0.74127	0.74743	0.75278	0.75755	0.75258	0.76566	0.76914	0.77229	0.77515	0.77781
75	0.63067	0.64128	0.65017	0.65773	0.66426	0.66998	0.67498	0.67944	0.67822	0.68704	0.69030	0.69325	0.69595	0.69843
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Cuadro 3B
(Continuación)

AJUSTE DE LA FUNCION DE GOMPERTZ-MAKEHAM A LAS PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, 1975 - 2040

Hipótesis Alta

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
							Fuerza de Mortalidad							
0	0.00753	0.00718	0.00688	0.00661	0.00638	0.00617	0.00599	0.00583	0.00618	0.00555	0.00543	0.00532	0.00522	0.00513
5	0.00812	0.00768	0.00731	0.00699	0.00672	0.00648	0.00627	0.00609	0.00652	0.00578	0.00564	0.00552	0.00541	0.00531
10	0.00890	0.00835	0.00790	0.00752	0.00719	0.00691	0.00667	0.00646	0.00700	0.00610	0.00595	0.00581	0.00569	0.00557
15	0.00994	0.00925	0.00870	0.00824	0.00785	0.00752	0.00723	0.00698	0.00766	0.00657	0.00639	0.00623	0.00609	0.00596
20	0.01131	0.01046	0.00979	0.00923	0.00876	0.00837	0.00803	0.00773	0.00857	0.00724	0.00703	0.00685	0.00668	0.00653
25	0.01311	0.01209	0.01127	0.01060	0.01004	0.00956	0.00915	0.00880	0.00983	0.00821	0.00797	0.00775	0.00755	0.00737
30	0.01551	0.01427	0.01328	0.01248	0.01180	0.01123	0.01074	0.01032	0.01156	0.00961	0.00932	0.00905	0.00882	0.00860
35	0.01867	0.01720	0.01603	0.01507	0.01426	0.01357	0.01299	0.01248	0.01397	0.01163	0.01128	0.01096	0.01067	0.01041
40	0.02284	0.02114	0.01976	0.01863	0.01768	0.01686	0.01617	0.01556	0.01729	0.01455	0.01412	0.01374	0.01340	0.01308
45	0.02837	0.02642	0.02484	0.02353	0.02243	0.02148	0.02066	0.01995	0.02187	0.01875	0.01824	0.01779	0.01738	0.01700
50	0.03566	0.03352	0.03176	0.03029	0.02904	0.02795	0.02702	0.02620	0.02821	0.02481	0.02422	0.02369	0.02321	0.02277
55	0.04531	0.04305	0.04117	0.03958	0.03822	0.03704	0.03601	0.03510	0.03697	0.03355	0.03289	0.03229	0.03175	0.03125
60	0.05807	0.05584	0.05397	0.05238	0.05100	0.04979	0.04873	0.04778	0.04908	0.04616	0.04547	0.04484	0.04426	0.04373
65	0.07492	0.07302	0.07140	0.06999	0.06876	0.06767	0.06671	0.06584	0.06581	0.06435	0.06370	0.06312	0.06258	0.06208
70	0.09721	0.09609	0.09511	0.09424	0.09347	0.09277	0.09214	0.09157	0.08892	0.09058	0.09015	0.08976	0.08939	0.08907
75	0.12666	0.12707	0.12738	0.12762	0.12781	0.12799	0.12810	0.12822	0.12086	0.12841	0.12851	0.12860	0.12866	0.12876
80	0.16559	0.16867	0.17129	0.17357	0.17558	0.17740	0.17896	0.18042	0.16500	0.18297	0.18414	0.18520	0.18617	0.18714
							Probabilidad Condicional de Fallecer							
0	0.04730	0.04425	0.04175	0.03967	0.03790	0.03637	0.03506	0.03391	0.03694	0.03196	0.03114	0.03040	0.02973	0.02911
5	0.05342	0.04969	0.04667	0.04416	0.04206	0.04024	0.03870	0.03734	0.04109	0.03507	0.03411	0.03325	0.03247	0.03176
10	0.06145	0.05695	0.05332	0.05032	0.04781	0.04565	0.04382	0.04221	0.04678	0.03953	0.03840	0.03739	0.03648	0.03564
15	0.07196	0.06660	0.06229	0.05873	0.05575	0.05318	0.05101	0.04910	0.05459	0.04592	0.04458	0.04339	0.04231	0.04132
20	0.08567	0.07942	0.07436	0.07018	0.06667	0.06365	0.06109	0.05883	0.06528	0.05507	0.05349	0.05207	0.05079	0.04961
25	0.10349	0.09635	0.09054	0.08572	0.08166	0.07815	0.07516	0.07253	0.07985	0.06812	0.06625	0.06458	0.06307	0.06168
30	0.12651	0.11859	0.11211	0.10669	0.10210	0.09811	0.09470	0.09168	0.09961	0.08661	0.08445	0.08252	0.08077	0.07915
35	0.15603	0.14760	0.14064	0.13477	0.12976	0.12540	0.12164	0.11829	0.12622	0.11264	0.11023	0.10805	0.10608	0.10425
40	0.19352	0.18506	0.17799	0.17199	0.16682	0.16229	0.15836	0.15485	0.16170	0.14888	0.14632	0.14400	0.14190	0.13994
45	0.24054	0.23278	0.22623	0.22061	0.21575	0.21145	0.20770	0.20433	0.20838	0.19857	0.19608	0.19383	0.19177	0.18985
50	0.29852	0.29249	0.28735	0.28292	0.27904	0.27561	0.27257	0.26985	0.26863	0.26516	0.26314	0.26130	0.25961	0.25806
55	0.36841	0.36543	0.36285	0.36061	0.35865	0.35692	0.35535	0.35396	0.34441	0.35158	0.35058	0.34966	0.34881	0.34808
60	0.45023	0.45169	0.45291	0.45399	0.45495	0.45586	0.45659	0.45732	0.43638	0.45863	0.45929	0.45988	0.46041	0.46101
65	0.54234	0.54936	0.55537	0.56064	0.56531	0.56956	0.57323	0.57665	0.54263	0.58269	0.58545	0.58796	0.59026	0.59256
70	0.64086	0.65372	0.66469	0.67424	0.68264	0.69020	0.69676	0.70278	0.65730	0.71329	0.71800	0.72229	0.72619	0.73001
75	0.73932	0.75689	0.77161	0.78420	0.79508	0.80472	0.81297	0.82042	0.77001	0.83315	0.83873	0.84374	0.84826	0.85261
80	0.82933	0.84881	0.86457	0.87758	0.88847	0.89780	0.90557	0.91238	0.86746	0.92358	0.92829	0.93242	0.93607	0.93949

Fuente : Cuadro 24.

Cuadro 39

AJUSTE DE LA FUNCION DE GOMPERTZ-MAKEHAM A LAS PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, 1975 - 2040

Hipótesis Baja

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
Probabilidades Observadas														
0	0.90261	0.91322	0.92175	0.92875	0.93458	0.93952	0.94374	0.94740	0.95059	0.95340	0.95590	0.95813	0.96013	0.96194
5	0.99157	0.99241	0.99310	0.99366	0.99414	0.99455	0.99490	0.99520	0.99547	0.99570	0.99536	0.99610	0.99627	0.99643
10	0.99471	0.99524	0.99566	0.99602	0.99631	0.99656	0.99678	0.99697	0.99714	0.99729	0.99746	0.99754	0.99765	0.99774
15	0.99131	0.99215	0.99285	0.99342	0.99391	0.99432	0.99468	0.99499	0.99526	0.99550	0.99572	0.99592	0.99609	0.99625
20	0.98595	0.98729	0.98839	0.98931	0.99008	0.99074	0.99131	0.99181	0.99225	0.99265	0.99299	0.99331	0.99359	0.99385
25	0.98272	0.98433	0.98565	0.98676	0.98769	0.98849	0.98919	0.98980	0.99034	0.99081	0.99124	0.99163	0.99197	0.99229
30	0.97868	0.98061	0.98219	0.98353	0.98466	0.98563	0.98648	0.98722	0.98788	0.98846	0.98899	0.98946	0.98989	0.99028
35	0.97319	0.97552	0.97746	0.97909	0.98048	0.98168	0.98272	0.98364	0.98446	0.98519	0.98584	0.98643	0.98697	0.98746
40	0.96715	0.96988	0.97216	0.97409	0.97574	0.97718	0.97844	0.97954	0.98053	0.98141	0.98220	0.98292	0.98357	0.98417
45	0.95769	0.96101	0.96380	0.96618	0.96824	0.97003	0.97160	0.97300	0.97424	0.97536	0.97637	0.97728	0.97812	0.97888
50	0.94508	0.94909	0.95249	0.95541	0.95795	0.96018	0.96215	0.96390	0.96548	0.96689	0.96818	0.96934	0.97041	0.97139
55	0.92695	0.93178	0.93594	0.93955	0.94272	0.94551	0.94800	0.95023	0.95224	0.95406	0.95572	0.95724	0.95863	0.95991
60	0.89932	0.90514	0.91023	0.91471	0.91868	0.92222	0.92541	0.92828	0.93086	0.93327	0.93545	0.93746	0.93931	0.94102
65	0.85700	0.86383	0.86989	0.87532	0.88021	0.88462	0.88864	0.89230	0.89566	0.89875	0.90161	0.90425	0.90671	0.90900
70	0.79066	0.79808	0.80483	0.81099	0.81665	0.82185	0.82665	0.83109	0.83522	0.83906	0.84265	0.84601	0.84916	0.85212
75	0.68424	0.69101	0.69736	0.70331	0.70889	0.71414	0.71909	0.72374	0.72814	0.73230	0.73625	0.73999	0.74355	0.74693
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parámetros														
d =	1.32680	1.35093	1.37214	1.39080	1.40771	1.42301	1.43686	1.44954	1.46120	1.47193	1.48002	1.49133	1.50013	1.50828
b =	0.99389	0.99562	0.99671	0.99743	0.99794	0.99831	0.99858	0.99879	0.99896	0.99909	0.99918	0.99928	0.99936	0.99942
a =	0.99434	0.99436	0.99447	0.99462	0.99479	0.99495	0.99512	0.99528	0.99543	0.99557	0.99569	0.99583	0.99595	0.99606
K =	1.05815	1.05257	1.04825	1.04481	1.04191	1.03945	1.03735	1.03551	1.03389	1.03245	1.03140	1.02997	1.02889	1.02793
Probabilidades Estimadas														
0	1.05169	1.04796	1.04480	1.04212	1.03976	1.03769	1.03587	1.03426	1.03281	1.03151	1.03055	1.02923	1.02823	1.02733
5	1.04365	1.04045	1.03775	1.03547	1.03347	1.03172	1.03018	1.02881	1.02759	1.02650	1.02571	1.02458	1.02374	1.02298
10	1.03499	1.03243	1.03027	1.02846	1.02686	1.02546	1.02424	1.02315	1.02218	1.02130	1.02069	1.01977	1.01910	1.01850
15	1.02552	1.02373	1.02221	1.02093	1.01980	1.01881	1.01793	1.01715	1.01646	1.01583	1.01542	1.01473	1.01424	1.01380
20	1.01496	1.01410	1.01334	1.01270	1.01210	1.01157	1.01110	1.01068	1.01029	1.00994	1.00975	1.00932	1.00904	1.00879
25	1.00298	1.00322	1.00336	1.00346	1.00350	1.00351	1.00351	1.00349	1.00347	1.00344	1.00350	1.00336	1.00332	1.00328
30	0.98913	0.99067	0.99187	0.99285	0.99363	0.99428	0.99482	0.99529	0.99569	0.99603	0.99639	0.99659	0.99682	0.99703
35	0.97286	0.97590	0.97834	0.98033	0.98199	0.98338	0.98458	0.98560	0.98650	0.98729	0.98799	0.98861	0.98916	0.98966
40	0.95344	0.95820	0.96205	0.96523	0.96790	0.97016	0.97211	0.97381	0.97529	0.97661	0.97772	0.97882	0.97977	0.98062
45	0.93000	0.93665	0.94209	0.94660	0.95042	0.95370	0.95653	0.95900	0.96117	0.96311	0.96471	0.96639	0.96780	0.96907
50	0.90145	0.91011	0.91725	0.92323	0.92834	0.93274	0.93656	0.93992	0.94290	0.94555	0.94774	0.95009	0.95205	0.95383
55	0.86653	0.87718	0.88607	0.89356	0.90003	0.90564	0.91055	0.91489	0.91876	0.92222	0.92508	0.92820	0.93080	0.93316
60	0.82380	0.83624	0.84674	0.85568	0.86347	0.87029	0.87631	0.88166	0.88646	0.89079	0.89438	0.89833	0.90162	0.90464
65	0.77176	0.78551	0.79724	0.80735	0.81625	0.82411	0.83112	0.83741	0.84308	0.84824	0.85258	0.85731	0.86131	0.86500
70	0.70908	0.72325	0.73551	0.74621	0.75573	0.76423	0.77189	0.77882	0.78514	0.79094	0.79591	0.80124	0.80583	0.81009
75	0.63487	0.64820	0.65988	0.67021	0.67951	0.68792	0.69558	0.70260	0.70905	0.71505	0.72037	0.72584	0.73071	0.73528
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Cuadro 39
(Continuación)

AJUSTE DE LA FUNCION DE GOMPERTZ-MAKEHAM A LAS PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, 1975 - 2040

Hipótesis Baja

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
						Fuerza de Mortalidad								
0	0.00740	0.00697	0.00659	0.00624	0.00593	0.00566	0.00541	0.00518	0.00498	0.00479	0.00464	0.00446	0.00432	0.00419
5	0.00797	0.00744	0.00698	0.00658	0.00622	0.00591	0.00563	0.00538	0.00516	0.00496	0.00479	0.00460	0.00445	0.00431
10	0.00872	0.00806	0.00751	0.00704	0.00663	0.00627	0.00596	0.00568	0.00543	0.00520	0.00502	0.00481	0.00464	0.00449
15	0.00972	0.00891	0.00824	0.00768	0.00720	0.00678	0.00642	0.00610	0.00582	0.00556	0.00536	0.00513	0.00494	0.00477
20	0.01104	0.01005	0.00924	0.00857	0.00800	0.00751	0.00709	0.00671	0.00639	0.00609	0.00586	0.00559	0.00538	0.00518
25	0.01279	0.01160	0.01062	0.00982	0.00913	0.00855	0.00805	0.00761	0.00722	0.00687	0.00660	0.00629	0.00604	0.00581
30	0.01512	0.01368	0.01251	0.01155	0.01073	0.01003	0.00942	0.00890	0.00843	0.00802	0.00770	0.00732	0.00702	0.00675
35	0.01821	0.01650	0.01510	0.01395	0.01297	0.01213	0.01140	0.01077	0.01021	0.00972	0.00933	0.00887	0.00851	0.00818
40	0.02230	0.02030	0.01866	0.01729	0.01612	0.01512	0.01425	0.01348	0.01281	0.01221	0.01173	0.01118	0.01073	0.01033
45	0.02774	0.02545	0.02354	0.02194	0.02057	0.01937	0.01833	0.01741	0.01660	0.01587	0.01529	0.01461	0.01407	0.01358
50	0.03495	0.03239	0.03024	0.02841	0.02682	0.02543	0.02420	0.02311	0.02214	0.02127	0.02056	0.01974	0.01908	0.01847
55	0.04452	0.04178	0.03943	0.03740	0.03562	0.03404	0.03264	0.03138	0.03024	0.02921	0.02835	0.02739	0.02659	0.02585
60	0.05722	0.05445	0.05204	0.04991	0.04801	0.04630	0.04476	0.04336	0.04208	0.04089	0.03989	0.03879	0.03786	0.03699
65	0.07406	0.07158	0.06934	0.06731	0.06546	0.06375	0.06217	0.06072	0.05937	0.05810	0.05696	0.05580	0.05476	0.05378
70	0.09641	0.09471	0.09308	0.09151	0.09001	0.08858	0.08720	0.08589	0.08463	0.08342	0.08224	0.08117	0.08012	0.07911
75	0.12607	0.12597	0.12566	0.12516	0.12458	0.12391	0.12315	0.12237	0.12155	0.12070	0.11964	0.11900	0.11816	0.11731
80	0.16541	0.16819	0.17036	0.17197	0.17324	0.17418	0.17482	0.17525	0.17550	0.17556	0.17500	0.17541	0.17522	0.17493
						Probabilidad Condicional de Fallecer								
0	0.04631	0.04269	0.03966	0.03710	0.03487	0.03294	0.03124	0.02974	0.02841	0.02721	0.02625	0.02513	0.02423	0.02341
5	0.05223	0.04784	0.04420	0.04116	0.03855	0.03629	0.03432	0.03259	0.03105	0.02968	0.02859	0.02731	0.02629	0.02536
10	0.06003	0.05475	0.05041	0.04679	0.04370	0.04103	0.03872	0.03669	0.03490	0.03330	0.03204	0.03056	0.02938	0.02831
15	0.07028	0.06401	0.05885	0.05456	0.05090	0.04774	0.04501	0.04261	0.04050	0.03861	0.03713	0.03538	0.03399	0.03273
20	0.08371	0.07637	0.07032	0.06527	0.06094	0.05721	0.05398	0.05113	0.04862	0.04638	0.04461	0.04253	0.04087	0.03937
25	0.10123	0.09281	0.08582	0.07996	0.07490	0.07053	0.06671	0.06335	0.06036	0.05769	0.05557	0.05309	0.05110	0.04929
30	0.12395	0.11456	0.10667	0.10000	0.09420	0.08915	0.08471	0.08077	0.07726	0.07410	0.07157	0.06863	0.06624	0.06407
35	0.15322	0.14311	0.13452	0.12715	0.12069	0.11501	0.10996	0.10546	0.10141	0.09774	0.09475	0.09132	0.08850	0.08591
40	0.19055	0.18023	0.17132	0.16356	0.15668	0.15054	0.14504	0.14007	0.13556	0.13144	0.12800	0.12414	0.12090	0.11791
45	0.23755	0.22783	0.21927	0.21169	0.20485	0.19866	0.19303	0.18788	0.18315	0.17876	0.17498	0.17090	0.16736	0.16405
50	0.29572	0.28778	0.28060	0.27405	0.26803	0.26247	0.25730	0.25249	0.24801	0.24377	0.23991	0.23603	0.23249	0.22913
55	0.36611	0.36144	0.35698	0.35267	0.34856	0.34462	0.34080	0.33714	0.33364	0.33021	0.32674	0.32379	0.32076	0.31783
60	0.44877	0.44900	0.44876	0.44806	0.44714	0.44599	0.44461	0.44312	0.44154	0.43981	0.43739	0.43629	0.43452	0.43269
65	0.54204	0.54854	0.55377	0.55782	0.56116	0.56382	0.56583	0.56740	0.56858	0.56935	0.56868	0.57027	0.57046	0.57041
70	0.64190	0.65508	0.66609	0.67515	0.68297	0.68962	0.69520	0.70000	0.70413	0.70758	0.70894	0.71330	0.71565	0.71758
75	0.74161	0.76022	0.77570	0.78844	0.79941	0.80875	0.81667	0.82352	0.82949	0.83460	0.83737	0.84321	0.84685	0.84998
80	0.83241	0.85329	0.87006	0.88348	0.89469	0.90398	0.91169	0.91822	0.92379	0.92850	0.93129	0.93626	0.93947	0.94222

Fuente : Cuadro 24.

Cuadro 40

AJUSTE DE LA FUNCION DE GOMPERTZ-MAKEHAM A LAS PROBABILIDADES DE SOBREVIVENCIA FEMENINAS PROYECTADAS, 1980 - 2040

Hipótesis Alta

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
Probabilidades Observadas													
0	0.92672	0.93449	0.94061	0.94550	0.94945	0.95268	0.95535	0.95757	0.95944	0.96102	0.96236	0.96352	0.96453
5	0.99312	0.99379	0.99432	0.99474	0.99509	0.99537	0.99560	0.99580	0.99596	0.99610	0.99621	0.99631	0.99640
10	0.99628	0.99664	0.99693	0.99715	0.99734	0.99749	0.99762	0.99772	0.99781	0.99788	0.99794	0.99800	0.99804
15	0.99478	0.99528	0.99568	0.99599	0.99625	0.99646	0.99664	0.99678	0.99691	0.99701	0.99710	0.99717	0.99723
20	0.99195	0.99271	0.99332	0.99380	0.99419	0.99452	0.99479	0.99501	0.99519	0.99535	0.99548	0.99560	0.99570
25	0.98956	0.99053	0.99130	0.99192	0.99242	0.99284	0.99318	0.99347	0.99370	0.99391	0.99408	0.99422	0.99435
30	0.98672	0.98792	0.98888	0.98966	0.99029	0.99081	0.99124	0.99160	0.99190	0.99215	0.99236	0.99255	0.99270
35	0.98337	0.98484	0.98601	0.98696	0.98774	0.98838	0.98891	0.98935	0.98972	0.99003	0.99030	0.99052	0.99071
40	0.97983	0.98185	0.98294	0.98406	0.98499	0.98574	0.98637	0.98690	0.98734	0.98771	0.98802	0.98829	0.98852
45	0.97363	0.97580	0.97755	0.97897	0.98014	0.98111	0.98191	0.98258	0.98314	0.98361	0.98401	0.98435	0.98464
50	0.96346	0.96630	0.96862	0.97051	0.97207	0.97336	0.97444	0.97533	0.97609	0.97672	0.97725	0.97771	0.97810
55	0.94890	0.95260	0.95563	0.95813	0.96020	0.96192	0.96335	0.96455	0.96556	0.96640	0.96712	0.96772	0.96823
60	0.92597	0.93080	0.93481	0.93815	0.94092	0.94324	0.94517	0.94680	0.94816	0.94931	0.95027	0.95109	0.95177
65	0.88877	0.89501	0.90026	0.90467	0.90837	0.91148	0.91409	0.91628	0.91812	0.91966	0.92096	0.92205	0.92296
70	0.82649	0.83412	0.84065	0.84623	0.85096	0.85496	0.85834	0.86118	0.86356	0.86555	0.86721	0.86859	0.86973
75	0.71913	0.72719	0.73425	0.74038	0.74565	0.75014	0.75394	0.75712	0.75978	0.76197	0.76376	0.76521	0.76635
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parámetros													
d =	1.39006	1.41323	1.43077	1.44697	1.46141	1.47377	1.48489	1.49468	1.50374	1.51145	1.51850	1.52497	1.53092
b =	0.99750	0.99816	0.99854	0.99882	0.99902	0.99916	0.99927	0.99935	0.99942	0.99947	0.99951	0.99955	0.99957
a =	0.99481	0.99505	0.99529	0.99550	0.99568	0.99584	0.99598	0.99610	0.99620	0.99628	0.99636	0.99642	0.99648
K =	1.04776	1.04332	1.04007	1.03737	1.03515	1.03336	1.03186	1.03061	1.02953	1.02865	1.02790	1.02725	1.02669
Probabilidades Estimadas													
0	1.04513	1.04140	1.03855	1.03615	1.03413	1.03249	1.03110	1.02994	1.02893	1.02811	1.02740	1.02679	1.02625
5	1.03869	1.03546	1.03301	1.03094	1.02920	1.02779	1.02659	1.02559	1.02471	1.02401	1.02340	1.02287	1.02241
10	1.03189	1.02923	1.02722	1.02551	1.02407	1.02291	1.02192	1.02109	1.02037	1.01978	1.01928	1.01884	1.01845
15	1.02460	1.02258	1.02106	1.01976	1.01866	1.01777	1.01701	1.01638	1.01581	1.01536	1.01497	1.01463	1.01433
20	1.01661	1.01533	1.01438	1.01354	1.01283	1.01225	1.01175	1.01132	1.01094	1.01064	1.01037	1.01014	1.00994
25	1.00764	1.00724	1.00694	1.00664	1.00637	1.00615	1.00594	1.00576	1.00559	1.00546	1.00534	1.00523	1.00513
30	0.99734	0.99796	0.99842	0.99876	0.99900	0.99919	0.99933	0.99943	0.99951	0.99957	0.99962	0.99966	0.99969
35	0.98518	0.98701	0.98837	0.98945	0.99029	0.99098	0.99152	0.99197	0.99233	0.99264	0.99289	0.99310	0.99328
40	0.97050	0.97374	0.97615	0.97810	0.97967	0.98093	0.98197	0.98282	0.98353	0.98411	0.98461	0.98503	0.98538
45	0.95239	0.95724	0.96088	0.96385	0.96627	0.96822	0.96984	0.97117	0.97230	0.97322	0.97400	0.97467	0.97525
50	0.92966	0.93632	0.94136	0.94551	0.94891	0.95167	0.95397	0.95587	0.95748	0.95881	0.95994	0.96090	0.96173
55	0.90079	0.90938	0.91597	0.92144	0.92595	0.92963	0.93270	0.93526	0.93743	0.93922	0.94074	0.94205	0.94316
60	0.86389	0.87443	0.88264	0.88949	0.89518	0.89985	0.90376	0.90702	0.90980	0.91210	0.91405	0.91572	0.91715
65	0.81676	0.82900	0.83875	0.84692	0.85374	0.85938	0.86412	0.86808	0.87146	0.87425	0.87662	0.87864	0.88035
70	0.75701	0.77038	0.78130	0.79049	0.79820	0.80462	0.81003	0.81455	0.81839	0.82157	0.82425	0.82652	0.82841
75	0.68254	0.69595	0.70733	0.71687	0.72491	0.73165	0.73732	0.74206	0.74604	0.74933	0.75207	0.75434	0.75619
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Cuadro 40
(Continuación)

AJUSTE DE LA FUNCION DE GOMPERTZ-MAKEHAM A LAS PROBABILIDADES DE SOBREVIVENCIA FEMENINAS PROYECTADAS, 1980 - 2040

Hipótesis Alta

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
						Fuerza de Mortalidad							
0	0.00603	0.00560	0.00525	0.00495	0.00470	0.00449	0.00432	0.00417	0.00405	0.00394	0.00385	0.00378	0.00371
5	0.00635	0.00586	0.00547	0.00515	0.00487	0.00465	0.00446	0.00430	0.00417	0.00405	0.00396	0.00388	0.00381
10	0.00680	0.00623	0.00579	0.00543	0.00512	0.00488	0.00467	0.00450	0.00435	0.00422	0.00412	0.00403	0.00395
15	0.00742	0.00676	0.00626	0.00584	0.00549	0.00521	0.00498	0.00478	0.00462	0.00448	0.00436	0.00427	0.00418
20	0.00829	0.00750	0.00692	0.00643	0.00603	0.00571	0.00544	0.00522	0.00502	0.00487	0.00474	0.00462	0.00452
25	0.00949	0.00856	0.00786	0.00729	0.00682	0.00644	0.00612	0.00586	0.00564	0.00546	0.00530	0.00517	0.00505
30	0.01116	0.01004	0.00921	0.00852	0.00796	0.00751	0.00713	0.00682	0.00656	0.00634	0.00616	0.00600	0.00586
35	0.01349	0.01214	0.01114	0.01032	0.00964	0.00910	0.00864	0.00826	0.00794	0.00768	0.00746	0.00726	0.00710
40	0.01672	0.01511	0.01391	0.01291	0.01209	0.01143	0.01088	0.01042	0.01003	0.00970	0.00943	0.00920	0.00899
45	0.02121	0.01931	0.01786	0.01666	0.01567	0.01487	0.01420	0.01364	0.01316	0.01276	0.01243	0.01214	0.01189
50	0.02745	0.02524	0.02352	0.02210	0.02091	0.01994	0.01913	0.01845	0.01787	0.01739	0.01698	0.01663	0.01634
55	0.03612	0.03362	0.03162	0.02995	0.02856	0.02741	0.02644	0.02564	0.02495	0.02438	0.02390	0.02348	0.02313
60	0.04818	0.04546	0.04321	0.04133	0.03974	0.03842	0.03731	0.03638	0.03560	0.03494	0.03439	0.03393	0.03354
65	0.06495	0.06220	0.05979	0.05778	0.05608	0.05465	0.05345	0.05245	0.05161	0.05091	0.05034	0.04986	0.04948
70	0.08825	0.08585	0.08351	0.08159	0.07996	0.07857	0.07742	0.07646	0.07569	0.07505	0.07454	0.07416	0.07387
75	0.12065	0.11927	0.11745	0.11604	0.11486	0.11382	0.11300	0.11235	0.11189	0.11153	0.11130	0.11120	0.11122
80	0.16568	0.16651	0.16601	0.16588	0.16586	0.16577	0.16584	0.16599	0.16634	0.16666	0.16712	0.16770	0.16839
						Probabilidad Condicional de Fallecer							
0	0.03587	0.03280	0.03044	0.02847	0.02685	0.02552	0.02440	0.02348	0.02268	0.02203	0.02147	0.02099	0.02058
5	0.03981	0.03621	0.03348	0.03121	0.02934	0.02783	0.02656	0.02550	0.02460	0.02386	0.02323	0.02269	0.02222
10	0.04527	0.04101	0.03782	0.03517	0.03299	0.03122	0.02974	0.02852	0.02748	0.02662	0.02589	0.02526	0.02472
15	0.05280	0.04776	0.04399	0.04085	0.03828	0.03620	0.03446	0.03302	0.03178	0.03078	0.02992	0.02917	0.02854
20	0.06316	0.05721	0.05274	0.04903	0.04597	0.04349	0.04142	0.03970	0.03823	0.03703	0.03600	0.03511	0.03435
25	0.07739	0.07042	0.06513	0.06073	0.05709	0.05414	0.05166	0.04960	0.04784	0.04639	0.04516	0.04410	0.04318
30	0.09680	0.08876	0.08258	0.07741	0.07312	0.06961	0.06667	0.06421	0.06211	0.06038	0.05890	0.05764	0.05655
35	0.12311	0.11407	0.10698	0.10102	0.09605	0.09196	0.08851	0.08563	0.08317	0.08113	0.07940	0.07792	0.07664
40	0.15842	0.14864	0.14076	0.13412	0.12854	0.12392	0.12001	0.11674	0.11394	0.11163	0.10967	0.10800	0.10659
45	0.20515	0.19521	0.18688	0.17986	0.17394	0.16897	0.16478	0.16127	0.15829	0.15582	0.15375	0.15201	0.15056
50	0.26582	0.25671	0.24861	0.24181	0.23606	0.23119	0.22710	0.22368	0.22083	0.21847	0.21654	0.21497	0.21372
55	0.34255	0.33570	0.32886	0.32326	0.31854	0.31450	0.31116	0.30841	0.30625	0.30446	0.30310	0.30210	0.30144
60	0.43607	0.43322	0.42901	0.42588	0.42334	0.42110	0.41941	0.41813	0.41739	0.41681	0.41661	0.41673	0.41714
65	0.54438	0.54714	0.54688	0.54745	0.54820	0.54875	0.54959	0.55053	0.55191	0.55314	0.55464	0.55634	0.55827
70	0.66128	0.67020	0.67451	0.67927	0.68372	0.68741	0.69104	0.69444	0.69807	0.70120	0.70442	0.70768	0.71104
75	0.77568	0.78932	0.79725	0.80512	0.81219	0.81803	0.82348	0.82837	0.83325	0.83737	0.84139	0.84529	0.84911
80	0.87351	0.88817	0.89700	0.90522	0.91231	0.91802	0.92312	0.92753	0.93171	0.93515	0.93837	0.94137	0.94420

Fuente : Cuadro 25.

Cuadro 41

AJUSTE DE LA FUNCION DE GOMPERTZ-MAKEHAM A LAS PROBABILIDADES DE SOBREVIVENCIA FEMENINAS PROYECTADAS, 1980 - 2040

Hipótesis Baja

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
Probabilidades Observadas													
0	0.93001	0.93892	0.94603	0.95178	0.95648	0.96035	0.96357	0.96628	0.96856	0.97051	0.97217	0.97361	0.97485
5	0.99342	0.99420	0.99483	0.99535	0.99577	0.99612	0.99641	0.99666	0.99687	0.99704	0.99720	0.99733	0.99745
10	0.99645	0.99687	0.99720	0.99748	0.99771	0.99790	0.99805	0.99819	0.99830	0.99839	0.99848	0.99855	0.99861
15	0.99501	0.99560	0.99607	0.99645	0.99677	0.99703	0.99725	0.99744	0.99760	0.99773	0.99785	0.99795	0.99803
20	0.99231	0.99320	0.99391	0.99450	0.99499	0.99539	0.99573	0.99602	0.99626	0.99647	0.99665	0.99680	0.99694
25	0.99002	0.99115	0.99207	0.99283	0.99345	0.99398	0.99441	0.99478	0.99510	0.99537	0.99560	0.99580	0.99897
30	0.98729	0.98870	0.98986	0.99081	0.99160	0.99226	0.99281	0.99328	0.99368	0.99402	0.99431	0.99457	0.99479
35	0.98408	0.98581	0.98723	0.98840	0.98938	0.99019	0.99088	0.99147	0.99196	0.99239	0.99276	0.99307	0.99335
40	0.98067	0.98271	0.98440	0.98580	0.98696	0.98794	0.98877	0.98947	0.99007	0.99059	0.99103	0.99142	0.99175
45	0.97470	0.97728	0.97943	0.98121	0.98271	0.98398	0.98504	0.98595	0.98673	0.98740	0.98798	0.98848	0.98892
50	0.96489	0.96831	0.97117	0.97357	0.97560	0.97731	0.97877	0.98002	0.98109	0.98201	0.98281	0.98350	0.98410
55	0.95079	0.95529	0.95909	0.96232	0.96505	0.96738	0.96938	0.97109	0.97256	0.97384	0.97494	0.97590	0.97674
60	0.92851	0.93448	0.93959	0.94398	0.94775	0.95099	0.95377	0.95618	0.95826	0.96007	0.96165	0.96302	0.96422
65	0.89219	0.90003	0.90689	0.91288	0.91809	0.92262	0.92657	0.93001	0.93301	0.93563	0.93792	0.93993	0.94169
70	0.83097	0.84078	0.84966	0.85758	0.86463	0.87087	0.87638	0.88124	0.88553	0.88932	0.89265	0.89559	0.89818
75	0.72492	0.73525	0.74545	0.75486	0.76346	0.77127	0.77833	0.78467	0.79036	0.79543	0.79996	0.80398	0.80756
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parámetros													
d =	1.39665	1.42253	1.44476	1.46441	1.48178	1.49731	1.51125	1.52372	1.53498	1.54510	1.55441	1.56297	1.52479
b =	0.99774	0.99840	0.99882	0.99909	0.99928	0.99941	0.99951	0.99958	0.99964	0.99969	0.99972	0.99975	0.99964
a =	0.99473	0.99527	0.99559	0.99588	0.99615	0.99638	0.99658	0.99676	0.99692	0.99705	0.99718	0.99728	0.99718
K =	1.04590	1.04090	1.03688	1.03359	1.03087	1.02858	1.02665	1.02502	1.02361	1.02241	1.02137	1.02045	1.02338
Probabilidades Estimadas													
0	1.04353	1.03924	1.03565	1.03265	1.03012	1.02798	1.02615	1.02459	1.02324	1.02209	1.02108	1.02020	1.02301
5	1.03733	1.03363	1.03054	1.02796	1.02580	1.02396	1.02239	1.02105	1.01989	1.01891	1.01804	1.01728	1.01994
10	1.03080	1.02775	1.02522	1.02310	1.02131	1.01980	1.01851	1.01740	1.01645	1.01564	1.01492	1.01429	1.01677
15	1.02380	1.02150	1.01958	1.01796	1.01660	1.01544	1.01444	1.01360	1.01286	1.01223	1.01167	1.01119	1.01346
20	1.01614	1.01470	1.01347	1.01243	1.01154	1.01077	1.01010	1.00953	1.00904	1.00861	1.00823	1.00789	1.00994
25	1.00756	1.00711	1.00669	1.00630	1.00595	1.00563	1.00534	1.00508	1.00485	1.00466	1.00447	1.00431	1.00607
30	0.99770	0.99842	0.99893	0.99931	0.99958	0.99978	0.99992	1.00004	1.00012	1.00019	1.00023	1.00026	1.00168
35	0.98608	0.98816	0.98978	0.99105	0.99206	0.99288	0.99354	0.99408	0.99453	0.99491	0.99523	0.99550	0.99650
40	0.97201	0.97570	0.97862	0.98096	0.98286	0.98441	0.98569	0.98676	0.98765	0.98841	0.98905	0.98961	0.99012
45	0.95462	0.96016	0.96461	0.96822	0.97118	0.97362	0.97565	0.97736	0.97880	0.98002	0.98107	0.98197	0.98192
50	0.93272	0.94037	0.94659	0.95169	0.95590	0.95941	0.96235	0.96484	0.96695	0.96875	0.97031	0.97165	0.97098
55	0.90478	0.91474	0.92295	0.92976	0.93544	0.94022	0.94425	0.94768	0.95062	0.95313	0.95531	0.95719	0.95595
60	0.86890	0.88125	0.89160	0.90029	0.90762	0.91384	0.91915	0.92370	0.92761	0.93098	0.93391	0.93647	0.93486
65	0.82281	0.83738	0.84983	0.86045	0.86952	0.87731	0.88402	0.88982	0.89485	0.89920	0.90302	0.90635	0.90494
70	0.76404	0.78028	0.79449	0.80681	0.81751	0.82682	0.83493	0.84201	0.84819	0.85360	0.85836	0.86254	0.86243
75	0.69029	0.70710	0.72224	0.73565	0.74750	0.75796	0.76720	0.77536	0.78256	0.78891	0.79453	0.79948	0.80261
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Cuadro 41
(Continuación)

AJUSTE DE LA FUNCION DE GOMPERTZ-MAKEHAM A LAS PROBABILIDADES DE SOBREVIVENCIA FEMENINAS PROYECTADAS, 1980 - 2040

Hipótesis Baja

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
						Fuerza de Mortalidad							
0	0.00582	0.00530	0.00485	0.00447	0.00415	0.00387	0.00363	0.00342	0.00324	-0.01593	0.00295	0.00283	0.00297
5	0.00612	0.00554	0.00505	0.00463	0.00428	0.00398	0.00373	0.00351	0.00332	-0.01593	0.00302	0.00290	0.00305
10	0.00654	0.00588	0.00533	0.00487	0.00449	0.00416	0.00389	0.00365	0.00345	-0.01594	0.00313	0.00300	0.00317
15	0.00712	0.00636	0.00573	0.00522	0.00479	0.00443	0.00412	0.00386	0.00364	-0.01595	0.00329	0.00315	0.00336
20	0.00794	0.00704	0.00632	0.00572	0.00523	0.00482	0.00448	0.00419	0.00394	-0.01596	0.00355	0.00339	0.00364
25	0.00909	0.00802	0.00716	0.00646	0.00589	0.00542	0.00502	0.00468	0.00440	-0.01597	0.00395	0.00377	0.00407
30	0.01067	0.00940	0.00838	0.00755	0.00687	0.00631	0.00583	0.00544	0.00510	-0.01598	0.00457	0.00435	0.00472
35	0.01290	0.01137	0.01014	0.00914	0.00832	0.00764	0.00707	0.00658	0.00618	-0.01599	0.00553	0.00527	0.00572
40	0.01601	0.01417	0.01269	0.01147	0.01047	0.00963	0.00893	0.00833	0.00783	-0.01600	0.00703	0.00671	0.00724
45	0.02035	0.01816	0.01637	0.01488	0.01365	0.01262	0.01174	0.01100	0.01037	-0.01601	0.00936	0.00895	0.00956
50	0.02641	0.02383	0.02168	0.01988	0.01837	0.01709	0.01599	0.01506	0.01426	-0.01603	0.01297	0.01245	0.01309
55	0.03488	0.03190	0.02936	0.02720	0.02536	0.02378	0.02242	0.02125	0.02024	-0.01604	0.01860	0.01793	0.01848
60	0.04670	0.04338	0.04045	0.03791	0.03571	0.03380	0.03213	0.03068	0.02942	-0.01605	0.02734	0.02649	0.02670
65	0.06322	0.05970	0.05648	0.05360	0.05105	0.04880	0.04681	0.04505	0.04350	-0.01606	0.04093	0.03987	0.03923
70	0.08529	0.08293	0.07963	0.07658	0.07379	0.07127	0.06899	0.06695	0.06512	-0.01607	0.06206	0.06078	0.05834
75	0.11850	0.11596	0.11308	0.11023	0.10748	0.10490	0.10251	0.10031	0.09831	-0.01608	0.09489	0.09347	0.08748
80	0.16350	0.16296	0.16141	0.15951	0.15740	0.15527	0.15317	0.15114	0.14925	-0.01610	0.14593	0.14456	0.13191
						Probabilidad Condicional de Fallecer							
0	0.03447	0.03091	0.02797	0.02552	0.02347	0.02174	0.02028	0.01904	0.01797	-0.08301	0.01626	0.01557	0.01656
5	0.03820	0.03406	0.03067	0.02788	0.02556	0.02361	0.02197	0.02058	0.01939	-0.08306	0.01749	0.01673	0.01790
10	0.04339	0.03852	0.03457	0.03133	0.02864	0.02640	0.02451	0.02292	0.02156	-0.08312	0.01940	0.01853	0.01994
15	0.05058	0.04483	0.04017	0.03635	0.03319	0.03056	0.02835	0.02648	0.02489	-0.08317	0.02236	0.02134	0.02304
20	0.06055	0.05374	0.04821	0.04366	0.03990	0.03676	0.03411	0.03188	0.02997	-0.08322	0.02694	0.02572	0.02774
25	0.07429	0.06627	0.05970	0.05427	0.04975	0.04596	0.04276	0.04004	0.03772	-0.08328	0.03402	0.03252	0.03488
30	0.09314	0.08381	0.07606	0.06959	0.06416	0.05958	0.05568	0.05235	0.04950	-0.08334	0.04492	0.04306	0.04565
35	0.11883	0.10819	0.09920	0.09158	0.08512	0.07960	0.07487	0.07081	0.06729	-0.08340	0.06161	0.05930	0.06185
40	0.15349	0.14176	0.13160	0.12285	0.11531	0.10879	0.10314	0.09824	0.09397	-0.08346	0.08699	0.08413	0.08602
45	0.19964	0.18735	0.17637	0.16671	0.15822	0.15078	0.14423	0.13849	0.13343	-0.08352	0.12508	0.12163	0.12168
50	0.25991	0.24806	0.23700	0.22701	0.21802	0.20997	0.20279	0.19638	0.19069	-0.08358	0.18116	0.17719	0.17340
55	0.33657	0.32669	0.31681	0.30753	0.29890	0.29098	0.28377	0.27721	0.27131	-0.08365	0.26127	0.25708	0.24646
60	0.43052	0.42459	0.41760	0.41055	0.40362	0.39702	0.39082	0.38502	0.37971	-0.08371	0.37053	0.36669	0.34562
65	0.53991	0.53984	0.53755	0.53442	0.53074	0.52689	0.52302	0.51919	0.51558	-0.08378	0.50917	0.50653	0.47230
70	0.65843	0.66517	0.66858	0.67041	0.67104	0.67097	0.67044	0.66955	0.66856	-0.08385	0.66658	0.66588	0.61988
75	0.77468	0.78699	0.79520	0.80126	0.80566	0.80898	0.81151	0.81339	0.81489	-0.08392	0.81722	0.81836	0.76949
80	0.87398	0.88806	0.89784	0.90526	0.91091	0.91538	0.91899	0.92187	0.92430	-0.08399	0.92819	0.92994	0.89249

Fuente : Cuadro 25.

Cuadro 42

AJUSTE DE LA FUNCION LOGISTICA A LAS PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, 1975 - 2040

Hipótesis Alta

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
Probabilidades Observadas														
0	0.92718	0.93431	0.93994	0.94450	0.94827	0.95144	0.95414	0.95647	0.95850	0.96029	0.96187	0.96329	0.96457	0.96572
1	0.97064	0.97316	0.97518	0.97683	0.97820	0.97937	0.98037	0.98123	0.98199	0.98266	0.98326	0.98379	0.98428	0.98471
5	0.99134	0.99207	0.99265	0.99312	0.99352	0.99386	0.99414	0.99439	0.99461	0.99481	0.99498	0.99514	0.99528	0.99540
10	0.99457	0.99502	0.99538	0.99568	0.99592	0.99613	0.99631	0.99647	0.99660	0.99672	0.99683	0.99693	0.99702	0.99710
15	0.99107	0.99180	0.99239	0.99287	0.99327	0.99361	0.99390	0.99415	0.99438	0.99458	0.99475	0.99491	0.99505	0.99518
20	0.98558	0.98673	0.98766	0.98842	0.98905	0.98959	0.99006	0.99047	0.99908	0.99114	0.99142	0.99167	0.99190	0.99211
25	0.98227	0.98364	0.98475	0.98567	0.98643	0.98708	0.98765	0.98814	0.98857	0.98895	0.98929	0.98960	0.98988	0.99013
30	0.97814	0.97978	0.98110	0.98220	0.98312	0.98390	0.98458	0.98517	0.98570	0.98616	0.98657	0.98695	0.98729	0.98759
35	0.97253	0.97450	0.97611	0.97743	0.97856	0.97951	0.98035	0.98107	0.98171	0.98228	0.98279	0.98325	0.98367	0.98405
40	0.96637	0.96866	0.97054	0.97210	0.97342	0.97455	0.97554	0.97640	0.97716	0.97784	0.97845	0.97900	0.97950	0.97995
45	0.95673	0.95950	0.96178	0.96368	0.96530	0.96670	0.96791	0.96898	0.96992	0.97077	0.97153	0.97221	0.97283	0.97340
50	0.94391	0.94722	0.94996	0.95227	0.95424	0.95595	0.95744	0.95875	0.95992	0.96096	0.96190	0.96276	0.96353	0.96424
55	0.92550	0.92946	0.93276	0.93557	0.93798	0.94007	0.94191	0.94353	0.94498	0.94628	0.94746	0.94852	0.94949	0.95039
60	0.89752	0.90223	0.90620	0.90960	0.91254	0.91511	0.91738	0.91940	0.92121	0.92284	0.92431	0.92565	0.92688	0.92801
65	0.85483	0.86022	0.86484	0.86883	0.87232	0.87539	0.87812	0.88056	0.88276	0.88475	0.88656	0.88821	0.88972	0.89112
70	0.78315	0.79383	0.79877	0.80309	0.80690	0.81030	0.81333	0.81606	0.81854	0.82079	0.82284	0.82472	0.82645	0.82805
75	0.68166	0.68656	0.69087	0.69469	0.69809	0.70115	0.70390	0.70638	0.70864	0.71070	0.71259	0.71432	0.71591	0.71738
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parámetros														
a =	4.6042	4.7061	4.7945	4.8720	4.9404	5.0020	5.0575	5.1080	5.4185	5.1966	5.2355	5.2721	5.3061	5.3373
b =	0.0402	0.0411	0.0418	0.0425	0.0430	0.0435	0.0440	0.0444	0.0484	0.0452	0.0455	0.0458	0.0461	0.0463
Probabilidades Estimadas														
0	0.99009	0.99104	0.99179	0.99240	0.99290	0.99332	0.99368	0.99399	0.99559	0.99449	0.99470	0.99489	0.99506	0.99521
1	0.98969	0.99067	0.99145	0.99207	0.99259	0.99303	0.99340	0.99372	0.99537	0.99424	0.99446	0.99466	0.99483	0.99499
5	0.98791	0.98902	0.98990	0.99062	0.99121	0.99171	0.99214	0.99250	0.99438	0.99311	0.99336	0.99359	0.99379	0.99397
10	0.98526	0.98655	0.98759	0.98843	0.98912	0.98971	0.99022	0.99066	0.99285	0.99138	0.99168	0.99195	0.99220	0.99242
15	0.98204	0.98354	0.98474	0.98573	0.98655	0.98724	0.98784	0.98836	0.99091	0.98922	0.98958	0.98990	0.99020	0.99046
20	0.97813	0.97987	0.98126	0.98241	0.98337	0.98419	0.98489	0.98551	0.98845	0.98653	0.98695	0.98734	0.98769	0.98800
25	0.97340	0.97539	0.97701	0.97834	0.97946	0.98042	0.98125	0.98197	0.98534	0.98317	0.98367	0.98413	0.98455	0.98492
30	0.96767	0.96995	0.97181	0.97336	0.97466	0.97577	0.97674	0.97758	0.98139	0.97900	0.97959	0.98013	0.98062	0.98106
35	0.96076	0.96336	0.96549	0.96726	0.96876	0.97006	0.97118	0.97217	0.97641	0.97382	0.97451	0.97515	0.97572	0.97624
40	0.95244	0.95538	0.95780	0.95983	0.96155	0.96304	0.96434	0.96548	0.97014	0.96740	0.96821	0.96895	0.96962	0.97023
45	0.94247	0.94576	0.94850	0.95080	0.95276	0.95446	0.95595	0.95726	0.96227	0.95948	0.96042	0.96128	0.96205	0.96276
50	0.93056	0.93422	0.93728	0.93986	0.94208	0.94401	0.94570	0.94720	0.95242	0.94973	0.95081	0.95179	0.95269	0.95351
55	0.91640	0.92042	0.92380	0.92668	0.92916	0.93132	0.93323	0.93492	0.94016	0.93779	0.93902	0.94013	0.94116	0.94209
60	0.89966	0.90403	0.90773	0.91089	0.91363	0.91602	0.91815	0.92003	0.92499	0.92324	0.92462	0.92588	0.92702	0.92808
65	0.88002	0.88469	0.88866	0.89209	0.89507	0.89768	0.90002	0.90209	0.90636	0.90563	0.90716	0.90855	0.90982	0.91100
70	0.85714	0.86203	0.86624	0.86989	0.87308	0.87589	0.87840	0.88064	0.88369	0.88449	0.88615	0.88767	0.88906	0.89035
75	0.83073	0.83576	0.84012	0.84392	0.84727	0.85022	0.85288	0.85525	0.85639	0.85935	0.86112	0.86274	0.86422	0.86561
80	0.80058	0.80561	0.81001	0.81387	0.81730	0.82033	0.82308	0.82553	0.82397	0.82978	0.83164	0.83331	0.83485	0.83631

Cuadro 42
(Continuación)

AJUSTE DE LA FUNCION LOGISTICA A LAS PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, 1975 - 2040

Hipótesis Alta

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
						Fuerza de Mortalidad								
0	0.00040	0.00037	0.00034	0.00032	0.00031	0.00029	0.00028	0.00027	0.00021	0.00025	0.00024	0.00023	0.00023	0.00022
1	0.00041	0.00038	0.00036	0.00034	0.00032	0.00030	0.00029	0.00028	0.00022	0.00026	0.00025	0.00024	0.00024	0.00023
5	0.00049	0.00045	0.00042	0.00040	0.00038	0.00036	0.00035	0.00033	0.00027	0.00031	0.00030	0.00029	0.00029	0.00028
10	0.00059	0.00055	0.00052	0.00049	0.00047	0.00045	0.00043	0.00042	0.00035	0.00039	0.00038	0.00037	0.00036	0.00035
15	0.00072	0.00068	0.00064	0.00061	0.00058	0.00056	0.00054	0.00052	0.00044	0.00049	0.00047	0.00046	0.00045	0.00044
20	0.00088	0.00083	0.00078	0.00075	0.00072	0.00069	0.00066	0.00064	0.00056	0.00061	0.00059	0.00058	0.00057	0.00056
25	0.00107	0.00101	0.00096	0.00092	0.00088	0.00085	0.00083	0.00080	0.00071	0.00076	0.00074	0.00073	0.00071	0.00070
30	0.00130	0.00123	0.00118	0.00113	0.00109	0.00105	0.00102	0.00100	0.00090	0.00095	0.00093	0.00091	0.00089	0.00088
35	0.00158	0.00150	0.00144	0.00139	0.00134	0.00130	0.00127	0.00124	0.00114	0.00118	0.00116	0.00114	0.00112	0.00110
40	0.00191	0.00183	0.00176	0.00171	0.00165	0.00161	0.00157	0.00153	0.00145	0.00147	0.00145	0.00142	0.00140	0.00138
45	0.00231	0.00223	0.00215	0.00209	0.00203	0.00198	0.00194	0.00190	0.00183	0.00183	0.00180	0.00177	0.00175	0.00173
50	0.00279	0.00270	0.00262	0.00255	0.00249	0.00244	0.00239	0.00235	0.00230	0.00227	0.00224	0.00221	0.00218	0.00215
55	0.00336	0.00327	0.00319	0.00311	0.00305	0.00299	0.00294	0.00289	0.00290	0.00281	0.00277	0.00274	0.00271	0.00268
60	0.00403	0.00394	0.00386	0.00378	0.00372	0.00366	0.00360	0.00355	0.00363	0.00347	0.00343	0.00339	0.00336	0.00333
65	0.00482	0.00473	0.00465	0.00458	0.00451	0.00446	0.00440	0.00435	0.00454	0.00426	0.00422	0.00419	0.00415	0.00412
70	0.00574	0.00566	0.00559	0.00552	0.00546	0.00540	0.00535	0.00530	0.00563	0.00522	0.00518	0.00514	0.00511	0.00508
75	0.00680	0.00674	0.00668	0.00663	0.00657	0.00652	0.00647	0.00643	0.00696	0.00635	0.00632	0.00628	0.00626	0.00623
80	0.00801	0.00798	0.00794	0.00790	0.00786	0.00782	0.00778	0.00775	0.00853	0.00769	0.00766	0.00763	0.00761	0.00758
						Probabilidad Condicional de Fallecer								
0	0.00041	0.00038	0.00035	0.00033	0.00031	0.00030	0.00028	0.00027	0.00022	0.00025	0.00025	0.00024	0.00023	0.00023
1	0.00179	0.00166	0.00155	0.00147	0.00139	0.00133	0.00127	0.00122	0.00099	0.00114	0.00110	0.00107	0.00104	0.00102
5	0.00268	0.00250	0.00234	0.00221	0.00211	0.00201	0.00193	0.00186	0.00154	0.00174	0.00169	0.00165	0.00161	0.00157
10	0.00327	0.00305	0.00288	0.00273	0.00260	0.00250	0.00240	0.00232	0.00195	0.00218	0.00212	0.00207	0.00202	0.00197
15	0.00398	0.00374	0.00353	0.00336	0.00322	0.00309	0.00298	0.00289	0.00248	0.00272	0.00265	0.00259	0.00253	0.00248
20	0.00484	0.00457	0.00434	0.00414	0.00398	0.00383	0.00370	0.00359	0.00315	0.00340	0.00332	0.00325	0.00318	0.00312
25	0.00588	0.00558	0.00532	0.00510	0.00491	0.00474	0.00459	0.00446	0.00400	0.00424	0.00415	0.00407	0.00399	0.00392
30	0.00714	0.00680	0.00651	0.00626	0.00605	0.00586	0.00569	0.00554	0.00507	0.00529	0.00518	0.00509	0.00500	0.00491
35	0.00866	0.00828	0.00796	0.00768	0.00744	0.00723	0.00704	0.00687	0.00642	0.00659	0.00647	0.00635	0.00625	0.00615
40	0.01047	0.01006	0.00971	0.00941	0.00914	0.00891	0.00870	0.00851	0.00812	0.00819	0.00805	0.00792	0.00781	0.00770
45	0.01264	0.01221	0.01183	0.01150	0.01121	0.01095	0.01072	0.01052	0.01023	0.01016	0.01000	0.00986	0.00973	0.00961
50	0.01522	0.01477	0.01437	0.01402	0.01371	0.01344	0.01319	0.01296	0.01287	0.01257	0.01240	0.01225	0.01211	0.01197
55	0.01826	0.01781	0.01741	0.01704	0.01672	0.01643	0.01617	0.01593	0.01613	0.01551	0.01533	0.01517	0.01501	0.01487
60	0.02184	0.02140	0.02100	0.02064	0.02031	0.02002	0.01975	0.01950	0.02014	0.01907	0.01888	0.01871	0.01855	0.01840
65	0.02600	0.02560	0.02523	0.02489	0.02457	0.02428	0.02401	0.02377	0.02502	0.02335	0.02315	0.02298	0.02283	0.02267
70	0.03081	0.03048	0.03016	0.02985	0.02956	0.02930	0.02905	0.02883	0.03089	0.02843	0.02825	0.02809	0.02794	0.02779
75	0.03629	0.03607	0.03584	0.03560	0.03536	0.03515	0.03494	0.03475	0.03786	0.03440	0.03424	0.03411	0.03398	0.03385
80	0.04249	0.04241	0.04230	0.04216	0.04201	0.04187	0.04172	0.04159	0.04602	0.04133	0.04121	0.04112	0.04103	0.04092

Fuente: Cuadro 21.

Cuadro 43

AJUSTE DE LA FUNCION LOGISTICA A LAS PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, 1975 - 2040

Hipótesis Baja

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
Probabilidades Observadas														
0	0.92917	0.93727	0.94373	0.94899	0.95336	0.95703	0.96016	0.96286	0.96521	0.96727	0.96909	0.97072	0.97218	0.97349
1	0.97142	0.97434	0.97671	0.97867	0.98031	0.98170	0.98290	0.98394	0.98486	0.98567	0.98638	0.98703	0.98761	0.98814
5	0.99157	0.99241	0.99310	0.99366	0.99414	0.99455	0.99490	0.99520	0.99547	0.99570	0.99536	0.99610	0.99627	0.99643
10	0.99471	0.99524	0.99566	0.99602	0.99631	0.99656	0.99678	0.99697	0.99714	0.99729	0.99746	0.99754	0.99765	0.99774
15	0.99131	0.99215	0.99285	0.99342	0.99391	0.99432	0.99468	0.99499	0.99526	0.99550	0.99572	0.99592	0.99609	0.99625
20	0.98595	0.98729	0.98839	0.98931	0.99008	0.99074	0.99131	0.99181	0.99225	0.99265	0.99299	0.99331	0.99359	0.99385
25	0.98272	0.98433	0.98565	0.98676	0.98769	0.98849	0.98919	0.98980	0.99034	0.99081	0.99124	0.99163	0.99197	0.99229
30	0.97868	0.98061	0.98219	0.98353	0.98466	0.98563	0.98648	0.98722	0.98788	0.98846	0.98899	0.98946	0.98989	0.99028
35	0.97319	0.97552	0.97746	0.97909	0.98048	0.98168	0.98272	0.98364	0.98446	0.98519	0.98584	0.98643	0.98697	0.98746
40	0.96715	0.96988	0.97216	0.97409	0.97574	0.97718	0.97844	0.97954	0.98053	0.98141	0.98220	0.98292	0.98357	0.98417
45	0.95769	0.96101	0.96380	0.96618	0.96824	0.97003	0.97160	0.97300	0.97424	0.97536	0.97637	0.97728	0.97812	0.97888
50	0.94508	0.94909	0.95249	0.95541	0.95795	0.96018	0.96215	0.96390	0.96548	0.96689	0.96818	0.96934	0.97041	0.97139
55	0.92695	0.93178	0.93594	0.93955	0.94272	0.94551	0.94800	0.95023	0.95224	0.95406	0.95572	0.95724	0.95863	0.95991
60	0.89932	0.90514	0.91023	0.91471	0.91868	0.92222	0.92541	0.92828	0.93086	0.93327	0.93545	0.93746	0.93931	0.94102
65	0.85700	0.86383	0.86989	0.87532	0.88021	0.88462	0.88864	0.89230	0.89566	0.89875	0.90161	0.90425	0.90671	0.90900
70	0.79066	0.79808	0.80483	0.81099	0.81665	0.82185	0.82665	0.83109	0.83522	0.83906	0.84265	0.84601	0.84916	0.85212
75	0.68424	0.69101	0.69736	0.70331	0.70889	0.71414	0.71909	0.72374	0.72814	0.73230	0.73625	0.73999	0.74355	0.74693
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parámetros														
a =	4.6341	4.7554	4.8639	4.9619	5.0507	5.1319	5.2070	5.2761	5.3410	5.4010	5.4382	5.5109	5.5608	5.6082
b =	0.0404	0.0413	0.0422	0.0429	0.0436	0.0442	0.0447	0.0452	0.0457	0.0461	0.0461	0.0468	0.0471	0.0474
Probabilidades Estimadas														
0	0.99038	0.99147	0.99234	0.99305	0.99364	0.99413	0.99455	0.99491	0.99523	0.99551	0.99567	0.99597	0.99617	0.99635
1	0.98999	0.99111	0.99201	0.99275	0.99335	0.99387	0.99430	0.99468	0.99501	0.99530	0.99547	0.99578	0.99599	0.99617
5	0.98825	0.98953	0.99056	0.99140	0.99210	0.99269	0.99320	0.99363	0.99402	0.99435	0.99456	0.99492	0.99516	0.99537
10	0.98566	0.98716	0.98836	0.98936	0.99019	0.99090	0.99151	0.99203	0.99249	0.99290	0.99315	0.99359	0.99388	0.99414
15	0.98251	0.98425	0.98567	0.98685	0.98783	0.98867	0.98940	0.99003	0.99059	0.99108	0.99140	0.99191	0.99226	0.99258
20	0.97869	0.98071	0.98237	0.98375	0.98491	0.98591	0.98678	0.98753	0.98820	0.98879	0.98919	0.98980	0.99023	0.99062
25	0.97404	0.97638	0.97831	0.97993	0.98131	0.98249	0.98352	0.98442	0.98522	0.98593	0.98643	0.98714	0.98766	0.98814
30	0.96842	0.97112	0.97336	0.97525	0.97686	0.97825	0.97947	0.98054	0.98150	0.98235	0.98297	0.98381	0.98444	0.98501
35	0.96163	0.96472	0.96730	0.96950	0.97139	0.97302	0.97446	0.97573	0.97687	0.97788	0.97865	0.97963	0.98038	0.98108
40	0.95345	0.95697	0.95993	0.96247	0.96466	0.96658	0.96827	0.96976	0.97110	0.97231	0.97327	0.97440	0.97530	0.97613
45	0.94363	0.94760	0.95098	0.95390	0.95643	0.95865	0.96063	0.96238	0.96396	0.96539	0.96658	0.96786	0.96894	0.96994
50	0.93188	0.93634	0.94016	0.94348	0.94639	0.94895	0.95124	0.95329	0.95513	0.95681	0.95828	0.95973	0.96101	0.96219
55	0.91790	0.92285	0.92713	0.93088	0.93419	0.93712	0.93976	0.94212	0.94427	0.94622	0.94803	0.94965	0.95116	0.95256
60	0.90135	0.90678	0.91153	0.91573	0.91945	0.92278	0.92578	0.92850	0.93097	0.93323	0.93544	0.93721	0.93898	0.94061
65	0.88190	0.88778	0.89298	0.89761	0.90176	0.90549	0.90888	0.91196	0.91477	0.91736	0.92004	0.92195	0.92400	0.92590
70	0.85921	0.86548	0.87109	0.87613	0.88069	0.88482	0.88859	0.89204	0.89521	0.89814	0.90137	0.90337	0.90571	0.90789
75	0.83298	0.83955	0.84549	0.85089	0.85582	0.86032	0.86446	0.86827	0.87178	0.87506	0.87891	0.88092	0.88357	0.88605
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Cuadro 43
(Continuación)

AJUSTE DE LA FUNCION LOGISTICA A LAS PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, 1975 - 2040

Hipótesis Baja

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
							Fuerza de Mortalidad							
0	0.00039	0.00035	0.00032	0.00030	0.00028	0.00026	0.00024	0.00023	0.00022	0.00021	0.00020	0.00019	0.00018	0.00017
1	0.00040	0.00037	0.00034	0.00031	0.00029	0.00027	0.00025	0.00024	0.00023	0.00022	0.00021	0.00020	0.00019	0.00018
5	0.00047	0.00043	0.00040	0.00037	0.00034	0.00032	0.00030	0.00029	0.00027	0.00026	0.00025	0.00024	0.00023	0.00022
10	0.00058	0.00053	0.00049	0.00046	0.00043	0.00040	0.00038	0.00036	0.00034	0.00033	0.00032	0.00030	0.00029	0.00028
15	0.00071	0.00065	0.00060	0.00056	0.00053	0.00050	0.00047	0.00045	0.00043	0.00041	0.00040	0.00038	0.00036	0.00035
20	0.00086	0.00080	0.00074	0.00070	0.00066	0.00062	0.00059	0.00056	0.00054	0.00052	0.00050	0.00048	0.00046	0.00044
25	0.00105	0.00098	0.00091	0.00086	0.00081	0.00077	0.00074	0.00070	0.00067	0.00065	0.00063	0.00060	0.00058	0.00056
30	0.00127	0.00119	0.00112	0.00106	0.00101	0.00096	0.00092	0.00088	0.00084	0.00081	0.00078	0.00076	0.00073	0.00071
35	0.00155	0.00146	0.00138	0.00131	0.00125	0.00119	0.00114	0.00110	0.00106	0.00102	0.00098	0.00095	0.00092	0.00090
40	0.00188	0.00178	0.00169	0.00161	0.00154	0.00148	0.00142	0.00137	0.00132	0.00128	0.00123	0.00120	0.00116	0.00113
45	0.00228	0.00217	0.00207	0.00198	0.00190	0.00183	0.00176	0.00170	0.00165	0.00159	0.00154	0.00150	0.00146	0.00143
50	0.00275	0.00263	0.00252	0.00243	0.00234	0.00226	0.00218	0.00211	0.00205	0.00199	0.00192	0.00188	0.00184	0.00179
55	0.00331	0.00319	0.00307	0.00297	0.00287	0.00278	0.00269	0.00262	0.00254	0.00248	0.00239	0.00236	0.00230	0.00225
60	0.00398	0.00385	0.00373	0.00362	0.00351	0.00341	0.00332	0.00323	0.00315	0.00308	0.00298	0.00294	0.00288	0.00282
65	0.00477	0.00464	0.00452	0.00440	0.00428	0.00418	0.00408	0.00398	0.00389	0.00381	0.00368	0.00365	0.00358	0.00351
70	0.00568	0.00556	0.00544	0.00532	0.00520	0.00509	0.00498	0.00488	0.00478	0.00469	0.00454	0.00452	0.00444	0.00437
75	0.00674	0.00663	0.00652	0.00640	0.00629	0.00617	0.00606	0.00595	0.00585	0.00576	0.00558	0.00557	0.00549	0.00540
80	0.00795	0.00787	0.00777	0.00766	0.00755	0.00744	0.00733	0.00722	0.00712	0.00702	0.00681	0.00683	0.00674	0.00665
							Probabilidad Condicional de Fallecer							
0	0.00040	0.00036	0.00033	0.00030	0.00028	0.00027	0.00025	0.00024	0.00022	0.00021	0.00020	0.00019	0.00018	0.00018
1	0.00175	0.00160	0.00147	0.00136	0.00126	0.00118	0.00111	0.00105	0.00100	0.00095	0.00092	0.00087	0.00083	0.00080
5	0.00262	0.00240	0.00221	0.00206	0.00192	0.00180	0.00170	0.00161	0.00153	0.00146	0.00141	0.00134	0.00129	0.00124
10	0.00320	0.00294	0.00273	0.00254	0.00238	0.00225	0.00212	0.00202	0.00192	0.00184	0.00177	0.00169	0.00162	0.00157
15	0.00390	0.00360	0.00335	0.00314	0.00295	0.00279	0.00265	0.00252	0.00241	0.00231	0.00222	0.00213	0.00205	0.00198
20	0.00474	0.00441	0.00412	0.00388	0.00366	0.00347	0.00330	0.00315	0.00302	0.00289	0.00279	0.00268	0.00259	0.00250
25	0.00577	0.00539	0.00507	0.00478	0.00453	0.00431	0.00411	0.00394	0.00378	0.00363	0.00350	0.00338	0.00327	0.00316
30	0.00701	0.00659	0.00622	0.00589	0.00560	0.00535	0.00512	0.00491	0.00472	0.00455	0.00439	0.00425	0.00412	0.00400
35	0.00851	0.00804	0.00762	0.00725	0.00692	0.00663	0.00636	0.00612	0.00590	0.00570	0.00550	0.00534	0.00518	0.00504
40	0.01030	0.00978	0.00932	0.00891	0.00853	0.00820	0.00789	0.00761	0.00736	0.00712	0.00688	0.00670	0.00652	0.00635
45	0.01245	0.01189	0.01138	0.01092	0.01050	0.01012	0.00977	0.00945	0.00916	0.00888	0.00859	0.00840	0.00818	0.00798
50	0.01500	0.01441	0.01386	0.01335	0.01289	0.01246	0.01207	0.01171	0.01137	0.01106	0.01069	0.01050	0.01025	0.01002
55	0.01803	0.01741	0.01683	0.01628	0.01578	0.01531	0.01487	0.01447	0.01409	0.01374	0.01329	0.01310	0.01281	0.01254
60	0.02158	0.02096	0.02035	0.01978	0.01924	0.01873	0.01826	0.01781	0.01739	0.01700	0.01645	0.01628	0.01595	0.01564
65	0.02573	0.02512	0.02452	0.02393	0.02337	0.02283	0.02232	0.02184	0.02139	0.02095	0.02030	0.02016	0.01979	0.01945
70	0.03052	0.02996	0.02939	0.02881	0.02824	0.02769	0.02716	0.02665	0.02617	0.02570	0.02492	0.02484	0.02444	0.02406
75	0.03600	0.03553	0.03502	0.03448	0.03393	0.03338	0.03285	0.03233	0.03183	0.03134	0.03042	0.03043	0.03000	0.02959
80	0.04220	0.04186	0.04145	0.04098	0.04048	0.03997	0.03946	0.03895	0.03846	0.03796	0.03689	0.03703	0.03659	0.03616

Fuente: Cuadro 21.

Cuadro 44

AJUSTE DE LA FUNCION LOGISTICA A LAS PROBABILIDADES DE SOBREVIVENCIA FEMENINAS PROYECTADAS, 1980 - 2040

Hipótesis Alta

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
Probabilidades Observadas													
0	0.95126	0.95671	0.96098	0.96437	0.96709	0.96931	0.97115	0.97267	0.97395	0.97503	0.97596	0.97675	0.97744
1	0.97420	0.97677	0.97881	0.98044	0.98176	0.98284	0.98373	0.98448	0.98510	0.98563	0.98607	0.98646	0.98679
5	0.99312	0.99379	0.99432	0.99474	0.99509	0.99537	0.99560	0.99580	0.99596	0.99610	0.99621	0.99631	0.99640
10	0.99628	0.99664	0.99693	0.99715	0.99734	0.99749	0.99762	0.99772	0.99781	0.99788	0.99794	0.99800	0.99804
15	0.99478	0.99528	0.99568	0.99599	0.99625	0.99646	0.99664	0.99678	0.99691	0.99701	0.99710	0.99717	0.99723
20	0.99195	0.99271	0.99332	0.99380	0.99419	0.99452	0.99479	0.99501	0.99519	0.99535	0.99548	0.99560	0.99570
25	0.98956	0.99053	0.99130	0.99192	0.99242	0.99284	0.99318	0.99347	0.99370	0.99391	0.99408	0.99422	0.99435
30	0.98672	0.98792	0.98888	0.98966	0.99029	0.99081	0.99124	0.99160	0.99190	0.99215	0.99236	0.99255	0.99270
35	0.98337	0.98484	0.98601	0.98696	0.98774	0.98838	0.98891	0.98935	0.98972	0.99003	0.99030	0.99052	0.99071
40	0.97983	0.98185	0.98294	0.98406	0.98499	0.98574	0.98637	0.98690	0.98734	0.98771	0.98802	0.98829	0.98852
45	0.97363	0.97580	0.97755	0.97897	0.98014	0.98111	0.98191	0.98258	0.98314	0.98361	0.98401	0.98435	0.98464
50	0.96346	0.96630	0.96862	0.97051	0.97207	0.97336	0.97444	0.97533	0.97609	0.97672	0.97725	0.97771	0.97810
55	0.94890	0.95260	0.95563	0.95813	0.96020	0.96192	0.96335	0.96455	0.96556	0.96640	0.96712	0.96772	0.96823
60	0.92597	0.93080	0.93481	0.93815	0.94092	0.94324	0.94517	0.94680	0.94816	0.94931	0.95027	0.95109	0.95177
65	0.88877	0.89501	0.90026	0.90467	0.90837	0.91148	0.91409	0.91628	0.91812	0.91966	0.92096	0.92205	0.92296
70	0.82649	0.83412	0.84065	0.84623	0.85096	0.85496	0.85834	0.86118	0.86356	0.86555	0.86721	0.86859	0.86973
75	0.71913	0.72719	0.73425	0.74038	0.74565	0.75014	0.75394	0.75712	0.75978	0.76197	0.76376	0.76521	0.76635
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parámetros													
a =	5.0408	5.1578	5.2587	5.3458	5.4228	5.4898	5.5489	5.6001	5.6452	5.6848	5.7191	5.7505	5.7775
b =	0.0412	0.0419	0.0426	0.0432	0.0437	0.0442	0.0446	0.0449	0.0453	0.0455	0.0458	0.0461	0.0463
Probabilidades Estimadas													
0	0.99357	0.99428	0.99482	0.99525	0.99560	0.99589	0.99612	0.99632	0.99648	0.99661	0.99673	0.99683	0.99691
1	0.99330	0.99403	0.99460	0.99505	0.99541	0.99570	0.99595	0.99615	0.99632	0.99646	0.99658	0.99668	0.99677
5	0.99212	0.99295	0.99360	0.99412	0.99454	0.99488	0.99516	0.99539	0.99559	0.99575	0.99589	0.99601	0.99611
10	0.99033	0.99132	0.99210	0.99271	0.99321	0.99362	0.99396	0.99424	0.99447	0.99467	0.99484	0.99498	0.99511
15	0.98815	0.98932	0.99024	0.99097	0.99157	0.99206	0.99246	0.99280	0.99308	0.99332	0.99352	0.99369	0.99384
20	0.98548	0.98686	0.98794	0.98881	0.98953	0.99011	0.99060	0.99100	0.99134	0.99162	0.99186	0.99207	0.99225
25	0.98222	0.98385	0.98512	0.98615	0.98700	0.98770	0.98828	0.98876	0.98916	0.98950	0.98979	0.99004	0.99025
30	0.97825	0.98015	0.98165	0.98287	0.98388	0.98470	0.98539	0.98597	0.98645	0.98685	0.98720	0.98749	0.98774
35	0.97341	0.97563	0.97739	0.97883	0.98002	0.98100	0.98181	0.98249	0.98307	0.98355	0.98395	0.98430	0.98460
40	0.96754	0.97012	0.97217	0.97386	0.97526	0.97641	0.97738	0.97818	0.97886	0.97943	0.97991	0.98032	0.98067
45	0.96041	0.96340	0.96578	0.96776	0.96939	0.97075	0.97189	0.97283	0.97363	0.97430	0.97486	0.97535	0.97576
50	0.95181	0.95525	0.95800	0.96029	0.96220	0.96379	0.96511	0.96622	0.96716	0.96794	0.96860	0.96916	0.96964
55	0.94144	0.94538	0.94853	0.95118	0.95339	0.95524	0.95678	0.95807	0.95916	0.96007	0.96083	0.96149	0.96203
60	0.92901	0.93348	0.93707	0.94012	0.94266	0.94479	0.94657	0.94806	0.94931	0.95036	0.95125	0.95199	0.95262
65	0.91418	0.91922	0.92327	0.92674	0.92964	0.93207	0.93411	0.93582	0.93725	0.93845	0.93946	0.94030	0.94101
70	0.89660	0.90222	0.90674	0.91065	0.91392	0.91668	0.91899	0.92093	0.92255	0.92391	0.92505	0.92599	0.92678
75	0.87591	0.88209	0.88708	0.89144	0.89510	0.89819	0.90077	0.90295	0.90476	0.90627	0.90754	0.90858	0.90944
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Cuadro 44
(Continuación)

AJUSTE DE LA FUNCION LOGISTICA A LAS PROBABILIDADES DE SOBREVIVENCIA FEMENINAS PROYECTADAS, 1980 - 2040

Hipótesis Alta

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
						Fuerza de Mortalidad							
0	0.00026	0.00024	0.00022	0.00021	0.00019	0.00018	0.00017	0.00017	0.00016	0.00015	0.00015	0.00015	0.00014
1	0.00028	0.00025	0.00023	0.00021	0.00020	0.00019	0.00018	0.00017	0.00017	0.00016	0.00016	0.00015	0.00015
5	0.00032	0.00030	0.00027	0.00025	0.00024	0.00023	0.00022	0.00021	0.00020	0.00019	0.00019	0.00018	0.00018
10	0.00040	0.00036	0.00034	0.00032	0.00030	0.00028	0.00027	0.00026	0.00025	0.00024	0.00024	0.00023	0.00023
15	0.00049	0.00045	0.00042	0.00039	0.00037	0.00035	0.00034	0.00032	0.00031	0.00030	0.00030	0.00029	0.00029
20	0.00060	0.00055	0.00051	0.00048	0.00046	0.00044	0.00042	0.00040	0.00039	0.00038	0.00037	0.00037	0.00036
25	0.00073	0.00068	0.00063	0.00060	0.00057	0.00054	0.00052	0.00051	0.00049	0.00048	0.00047	0.00046	0.00045
30	0.00090	0.00083	0.00078	0.00074	0.00070	0.00068	0.00065	0.00063	0.00061	0.00060	0.00059	0.00058	0.00057
35	0.00109	0.00102	0.00096	0.00091	0.00087	0.00084	0.00081	0.00079	0.00077	0.00075	0.00073	0.00072	0.00071
40	0.00134	0.00125	0.00119	0.00113	0.00108	0.00104	0.00101	0.00098	0.00096	0.00094	0.00092	0.00091	0.00089
45	0.00163	0.00153	0.00146	0.00139	0.00134	0.00129	0.00125	0.00122	0.00119	0.00117	0.00115	0.00114	0.00112
50	0.00198	0.00186	0.00179	0.00172	0.00165	0.00160	0.00155	0.00152	0.00149	0.00146	0.00144	0.00142	0.00141
55	0.00241	0.00229	0.00219	0.00211	0.00204	0.00198	0.00193	0.00188	0.00185	0.00182	0.00179	0.00177	0.00176
60	0.00292	0.00279	0.00268	0.00259	0.00251	0.00244	0.00238	0.00233	0.00229	0.00226	0.00223	0.00221	0.00219
65	0.00353	0.00339	0.00327	0.00317	0.00308	0.00300	0.00294	0.00288	0.00284	0.00280	0.00277	0.00275	0.00273
70	0.00426	0.00410	0.00398	0.00386	0.00376	0.00368	0.00361	0.00355	0.00350	0.00347	0.00343	0.00341	0.00339
75	0.00511	0.00494	0.00481	0.00469	0.00459	0.00450	0.00442	0.00436	0.00431	0.00427	0.00423	0.00421	0.00419
80	0.00610	0.00594	0.00580	0.00567	0.00556	0.00547	0.00539	0.00533	0.00528	0.00524	0.00520	0.00518	0.00516
						Probabilidad Condicional de Fallecer							
0	0.00027	0.00024	0.00023	0.00021	0.00020	0.00019	0.00018	0.00017	0.00016	0.00016	0.00015	0.00015	0.00015
1	0.00120	0.00109	0.00100	0.00093	0.00088	0.00083	0.00079	0.00076	0.00073	0.00071	0.00069	0.00067	0.00066
5	0.00180	0.00164	0.00152	0.00142	0.00133	0.00126	0.00121	0.00116	0.00112	0.00109	0.00106	0.00103	0.00101
10	0.00220	0.00202	0.00187	0.00176	0.00166	0.00157	0.00151	0.00145	0.00140	0.00136	0.00133	0.00130	0.00127
15	0.00270	0.00249	0.00231	0.00217	0.00206	0.00196	0.00188	0.00181	0.00175	0.00171	0.00167	0.00163	0.00160
20	0.00331	0.00306	0.00286	0.00269	0.00255	0.00244	0.00234	0.00226	0.00219	0.00214	0.00209	0.00205	0.00201
25	0.00404	0.00375	0.00352	0.00333	0.00317	0.00303	0.00292	0.00282	0.00274	0.00268	0.00262	0.00257	0.00253
30	0.00494	0.00461	0.00434	0.00411	0.00392	0.00377	0.00363	0.00352	0.00343	0.00335	0.00328	0.00323	0.00318
35	0.00604	0.00565	0.00534	0.00508	0.00486	0.00467	0.00452	0.00439	0.00428	0.00419	0.00411	0.00405	0.00399
40	0.00736	0.00692	0.00657	0.00626	0.00601	0.00580	0.00562	0.00547	0.00534	0.00523	0.00514	0.00507	0.00501
45	0.00896	0.00847	0.00806	0.00771	0.00742	0.00718	0.00697	0.00680	0.00665	0.00653	0.00643	0.00634	0.00627
50	0.01089	0.01033	0.00988	0.00948	0.00915	0.00887	0.00863	0.00844	0.00827	0.00813	0.00802	0.00792	0.00784
55	0.01320	0.01258	0.01208	0.01163	0.01126	0.01094	0.01067	0.01045	0.01026	0.01011	0.00998	0.00987	0.00979
60	0.01596	0.01528	0.01473	0.01423	0.01382	0.01346	0.01316	0.01291	0.01271	0.01254	0.01239	0.01228	0.01218
65	0.01923	0.01850	0.01790	0.01736	0.01690	0.01651	0.01618	0.01591	0.01568	0.01550	0.01534	0.01522	0.01512
70	0.02308	0.02230	0.02168	0.02109	0.02060	0.02017	0.01982	0.01953	0.01929	0.01909	0.01892	0.01880	0.01871
75	0.02757	0.02677	0.02613	0.02551	0.02499	0.02454	0.02417	0.02386	0.02361	0.02341	0.02324	0.02313	0.02303
80	0.03276	0.03196	0.03132	0.03069	0.03016	0.02970	0.02932	0.02901	0.02876	0.02856	0.02839	0.02829	0.02821

Fuente: Cuadro 25.

Cuadro 45

AJUSTE DE LA FUNCION LOGISTICA A LAS PROBABILIDADES DE SOBREVIVENCIA FEMENINAS PROYECTADAS, 1980 - 2040

Hipótesis Baja

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
Probabilidades Observadas													
0	0.95351	0.95970	0.96461	0.96855	0.97174	0.97436	0.97653	0.97835	0.97988	0.98117	0.98229	0.98324	0.98407
1	0.97536	0.97834	0.98074	0.98269	0.98430	0.98562	0.98673	0.98766	0.98845	0.98913	0.98970	0.99020	0.99064
5	0.99342	0.99420	0.99483	0.99535	0.99577	0.99612	0.99641	0.99666	0.99687	0.99704	0.99720	0.99733	0.99745
10	0.99645	0.99687	0.99720	0.99748	0.99771	0.99790	0.99805	0.99819	0.99830	0.99839	0.99848	0.99855	0.99861
15	0.99501	0.99560	0.99607	0.99645	0.99677	0.99703	0.99725	0.99744	0.99760	0.99773	0.99785	0.99795	0.99803
20	0.99231	0.99320	0.99391	0.99450	0.99499	0.99539	0.99573	0.99602	0.99626	0.99647	0.99665	0.99680	0.99694
25	0.99002	0.99115	0.99207	0.99283	0.99345	0.99398	0.99441	0.99478	0.99510	0.99537	0.99560	0.99580	0.99897
30	0.98729	0.98870	0.98986	0.99081	0.99160	0.99226	0.99281	0.99328	0.99368	0.99402	0.99431	0.99457	0.99479
35	0.98408	0.98591	0.98723	0.98840	0.98938	0.99019	0.99088	0.99147	0.99196	0.99239	0.99276	0.99307	0.99335
40	0.98067	0.98271	0.98440	0.98580	0.98696	0.98794	0.98877	0.98947	0.99007	0.99059	0.99103	0.99142	0.99175
45	0.97470	0.97728	0.97943	0.98121	0.98271	0.98398	0.98504	0.98595	0.98673	0.98740	0.98798	0.98848	0.98892
50	0.96489	0.96831	0.97117	0.97357	0.97560	0.97731	0.97877	0.98002	0.98109	0.98201	0.98281	0.98350	0.98410
55	0.95079	0.95529	0.95909	0.96232	0.96505	0.96738	0.96938	0.97109	0.97256	0.97384	0.97494	0.97590	0.97674
60	0.92851	0.93448	0.93959	0.94398	0.94775	0.95099	0.95377	0.95618	0.95826	0.96007	0.96165	0.96302	0.96422
65	0.89219	0.90003	0.90689	0.91288	0.91809	0.92262	0.92657	0.93001	0.93301	0.93563	0.93792	0.93993	0.94169
70	0.83097	0.84078	0.84966	0.85758	0.86463	0.87087	0.87638	0.88124	0.88553	0.88932	0.89265	0.89559	0.89818
75	0.72492	0.73525	0.74545	0.75486	0.76346	0.77127	0.77833	0.78467	0.79036	0.79543	0.79996	0.80398	0.80756
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Parámetros													
a =	5.0903	5.2325	5.3602	5.4767	5.5822	5.6775	5.7631	5.8425	5.9136	5.9769	6.0368	6.0897	6.2699
b =	0.0414	0.0423	0.0430	0.0437	0.0443	0.0448	0.0453	0.0457	0.0461	0.0464	0.0467	0.0470	0.0487
Probabilidades Estimadas													
0	0.99388	0.99469	0.99532	0.99583	0.99625	0.99659	0.99687	0.99711	0.99730	0.99747	0.99762	0.99774	0.99811
1	0.99362	0.99446	0.99512	0.99565	0.99608	0.99643	0.99672	0.99697	0.99718	0.99735	0.99750	0.99763	0.99802
5	0.99249	0.99345	0.99421	0.99482	0.99532	0.99574	0.99608	0.99637	0.99661	0.99681	0.99699	0.99714	0.99759
10	0.99078	0.99192	0.99282	0.99357	0.99417	0.99467	0.99508	0.99544	0.99573	0.99598	0.99620	0.99639	0.99693
15	0.98868	0.99003	0.99112	0.99201	0.99274	0.99334	0.99384	0.99427	0.99464	0.99494	0.99521	0.99543	0.99609
20	0.98612	0.98772	0.98901	0.99007	0.99095	0.99168	0.99229	0.99282	0.99326	0.99363	0.99395	0.99423	0.99501
25	0.98298	0.98487	0.98641	0.98768	0.98874	0.98962	0.99035	0.99099	0.99152	0.99198	0.99238	0.99272	0.99364
30	0.97915	0.98137	0.98320	0.98472	0.98598	0.98704	0.98793	0.98870	0.98935	0.98990	0.99039	0.99080	0.99191
35	0.97448	0.97709	0.97925	0.98106	0.98257	0.98384	0.98492	0.98584	0.98663	0.98730	0.98789	0.98840	0.98970
40	0.96880	0.97185	0.97440	0.97654	0.97834	0.97987	0.98116	0.98227	0.98322	0.98404	0.98475	0.98537	0.98689
45	0.96191	0.96546	0.96845	0.97098	0.97312	0.97494	0.97649	0.97782	0.97897	0.97996	0.98082	0.98156	0.98334
50	0.95356	0.95767	0.96117	0.96414	0.96668	0.96884	0.97069	0.97229	0.97367	0.97485	0.97589	0.97679	0.97884
55	0.94349	0.94823	0.95229	0.95578	0.95876	0.96132	0.96352	0.96542	0.96707	0.96850	0.96974	0.97083	0.97316
60	0.93140	0.93681	0.94151	0.94556	0.94906	0.95207	0.95467	0.95693	0.95889	0.96060	0.96208	0.96338	0.96601
65	0.91694	0.92309	0.92848	0.93316	0.93722	0.94075	0.94381	0.94647	0.94879	0.95082	0.95258	0.95413	0.95704
70	0.89977	0.90667	0.91281	0.91817	0.92286	0.92695	0.93053	0.93364	0.93636	0.93877	0.94084	0.94267	0.94584
75	0.87952	0.88719	0.89410	0.90018	0.90554	0.91026	0.91440	0.91801	0.92118	0.92400	0.92642	0.92857	0.93192
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Cuadro 45
(Continuación)

AJUSTE DE LA FUNCION LOGISTICA A LAS PROBABILIDADES DE SOBREVIVENCIA FEMENINAS PROYECTADAS, 1980 - 2040

Hipótesis Baja

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
						Fuerza de Mortalidad							
0	0.00025	0.00022	0.00020	0.00018	0.00017	0.00015	0.00014	0.00013	0.00012	0.00012	0.00011	0.00011	0.00009
1	0.00026	0.00023	0.00021	0.00019	0.00017	0.00016	0.00015	0.00014	0.00013	0.00012	0.00012	0.00011	0.00010
5	0.00031	0.00028	0.00025	0.00023	0.00021	0.00019	0.00018	0.00017	0.00016	0.00015	0.00014	0.00013	0.00012
10	0.00038	0.00034	0.00031	0.00028	0.00026	0.00024	0.00022	0.00021	0.00020	0.00019	0.00018	0.00017	0.00015
15	0.00047	0.00042	0.00038	0.00035	0.00032	0.00030	0.00028	0.00026	0.00025	0.00023	0.00022	0.00021	0.00019
20	0.00057	0.00052	0.00047	0.00043	0.00040	0.00037	0.00035	0.00033	0.00031	0.00030	0.00028	0.00027	0.00024
25	0.00070	0.00064	0.00058	0.00054	0.00050	0.00047	0.00044	0.00041	0.00039	0.00037	0.00036	0.00034	0.00031
30	0.00086	0.00079	0.00072	0.00067	0.00062	0.00058	0.00055	0.00052	0.00049	0.00047	0.00045	0.00043	0.00039
35	0.00106	0.00097	0.00089	0.00083	0.00077	0.00072	0.00068	0.00065	0.00062	0.00059	0.00057	0.00055	0.00050
40	0.00129	0.00119	0.00110	0.00103	0.00096	0.00090	0.00085	0.00081	0.00077	0.00074	0.00071	0.00069	0.00064
45	0.00158	0.00146	0.00136	0.00127	0.00119	0.00112	0.00106	0.00101	0.00097	0.00093	0.00090	0.00087	0.00081
50	0.00192	0.00179	0.00167	0.00157	0.00148	0.00140	0.00133	0.00127	0.00121	0.00117	0.00113	0.00109	0.00103
55	0.00234	0.00219	0.00205	0.00193	0.00183	0.00173	0.00165	0.00158	0.00152	0.00146	0.00141	0.00137	0.00131
60	0.00284	0.00267	0.00252	0.00238	0.00226	0.00215	0.00205	0.00197	0.00189	0.00183	0.00177	0.00172	0.00166
65	0.00344	0.00325	0.00308	0.00292	0.00278	0.00266	0.00254	0.00245	0.00236	0.00228	0.00222	0.00216	0.00209
70	0.00415	0.00394	0.00375	0.00358	0.00342	0.00327	0.00314	0.00303	0.00293	0.00284	0.00276	0.00269	0.00264
75	0.00498	0.00477	0.00456	0.00436	0.00418	0.00402	0.00387	0.00375	0.00363	0.00353	0.00344	0.00336	0.00332
80	0.00596	0.00574	0.00551	0.00530	0.00510	0.00492	0.00475	0.00461	0.00448	0.00436	0.00426	0.00417	0.00415
						Probabilidad Condicional de Fallecer							
0	0.00026	0.00023	0.00021	0.00019	0.00017	0.00016	0.00014	0.00014	0.00013	0.00012	0.00011	0.00011	0.00009
1	0.00115	0.00102	0.00092	0.00083	0.00076	0.00070	0.00065	0.00061	0.00057	0.00054	0.00051	0.00049	0.00043
5	0.00172	0.00154	0.00139	0.00126	0.00116	0.00107	0.00100	0.00093	0.00088	0.00083	0.00079	0.00076	0.00066
10	0.00211	0.00190	0.00172	0.00157	0.00144	0.00134	0.00125	0.00117	0.00110	0.00105	0.00100	0.00096	0.00085
15	0.00259	0.00234	0.00213	0.00195	0.00180	0.00167	0.00156	0.00147	0.00139	0.00132	0.00126	0.00121	0.00108
20	0.00318	0.00288	0.00263	0.00242	0.00224	0.00208	0.00195	0.00184	0.00174	0.00166	0.00159	0.00153	0.00137
25	0.00390	0.00355	0.00325	0.00300	0.00278	0.00260	0.00244	0.00231	0.00219	0.00209	0.00200	0.00193	0.00175
30	0.00477	0.00436	0.00402	0.00372	0.00346	0.00324	0.00305	0.00289	0.00275	0.00263	0.00252	0.00243	0.00223
35	0.00583	0.00536	0.00496	0.00460	0.00430	0.00404	0.00382	0.00362	0.00345	0.00330	0.00318	0.00306	0.00283
40	0.00712	0.00658	0.00611	0.00570	0.00534	0.00503	0.00476	0.00453	0.00433	0.00415	0.00400	0.00386	0.00360
45	0.00868	0.00806	0.00752	0.00704	0.00662	0.00625	0.00594	0.00566	0.00542	0.00520	0.00502	0.00486	0.00457
50	0.01056	0.00986	0.00923	0.00868	0.00819	0.00776	0.00739	0.00706	0.00678	0.00652	0.00630	0.00611	0.00580
55	0.01282	0.01204	0.01132	0.01068	0.01012	0.00962	0.00918	0.00880	0.00846	0.00816	0.00790	0.00767	0.00735
60	0.01552	0.01465	0.01384	0.01312	0.01247	0.01189	0.01138	0.01093	0.01054	0.01018	0.00988	0.00961	0.00929
65	0.01873	0.01778	0.01688	0.01606	0.01532	0.01466	0.01407	0.01355	0.01309	0.01267	0.01232	0.01201	0.01171
70	0.02251	0.02149	0.02050	0.01959	0.01876	0.01801	0.01734	0.01675	0.01622	0.01573	0.01533	0.01496	0.01472
75	0.02694	0.02586	0.02479	0.02380	0.02288	0.02204	0.02128	0.02061	0.02001	0.01945	0.01899	0.01857	0.01843
80	0.03207	0.03096	0.02982	0.02875	0.02776	0.02684	0.02599	0.02525	0.02457	0.02394	0.02343	0.02295	0.02297

Fuente: Cuadro 25.

Cuadro 46

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, OBSERVADAS Y ESTIMADAS, 1975 - 2040

Hipótesis Alta

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
							PROBABILIDADES OBSERVADAS							
0	0.92718	0.93431	0.93994	0.94450	0.94827	0.95144	0.95414	0.95647	0.95850	0.96029	0.96187	0.96329	0.96457	0.96572
1	0.97064	0.97316	0.97518	0.97683	0.97820	0.97937	0.98037	0.98123	0.98199	0.98266	0.98326	0.98379	0.98428	0.98471
5	0.99134	0.99207	0.99265	0.99312	0.99352	0.99386	0.99414	0.99439	0.99461	0.99481	0.99498	0.99514	0.99528	0.99540
10	0.99457	0.99502	0.99538	0.99568	0.99592	0.99613	0.99631	0.99647	0.99660	0.99672	0.99683	0.99693	0.99702	0.99710
15	0.99107	0.99180	0.99239	0.99287	0.99327	0.99361	0.99390	0.99415	0.99438	0.99458	0.94750	0.99491	0.99505	0.99518
20	0.98558	0.98673	0.98766	0.98842	0.98905	0.98959	0.99006	0.99047	0.99908	0.99114	0.99142	0.99167	0.99190	0.99211
25	0.98227	0.98364	0.98475	0.98567	0.98643	0.98708	0.98765	0.98814	0.98857	0.98895	0.98929	0.98960	0.98988	0.99013
30	0.97814	0.97978	0.98110	0.98220	0.98312	0.98390	0.98458	0.98517	0.98570	0.98616	0.98657	0.98695	0.98729	0.98759
35	0.97253	0.97450	0.97611	0.97743	0.97856	0.97951	0.98035	0.98107	0.98171	0.98228	0.98279	0.98325	0.98367	0.98405
40	0.96637	0.96866	0.97054	0.97210	0.97342	0.97455	0.97554	0.97640	0.97716	0.97784	0.97845	0.97900	0.97950	0.97995
45	0.95673	0.95950	0.96178	0.96368	0.96530	0.96670	0.96791	0.96898	0.96992	0.97077	0.97153	0.97221	0.97283	0.97340
50	0.94391	0.94722	0.94996	0.95227	0.95424	0.95595	0.95744	0.95875	0.95992	0.96096	0.96190	0.96276	0.96353	0.96424
55	0.92550	0.92946	0.93276	0.93557	0.93798	0.94007	0.94191	0.94353	0.94498	0.94628	0.94746	0.94852	0.94949	0.95039
60	0.89752	0.90223	0.90620	0.90960	0.91254	0.91511	0.91738	0.91940	0.92121	0.92284	0.92431	0.92565	0.92688	0.92801
65	0.85483	0.86022	0.86484	0.86883	0.87232	0.87539	0.87862	0.88056	0.88276	0.88475	0.88656	0.88821	0.88972	0.89112
70	0.78815	0.79383	0.79877	0.80309	0.80690	0.81030	0.81333	0.81606	0.81854	0.82079	0.82284	0.82472	0.82645	0.82805
75	0.68166	0.68656	0.69087	0.69469	0.69809	0.70115	0.70390	0.70638	0.70864	0.71070	0.71259	0.71432	0.71591	0.71738
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
							PROBABILIDADES ESTIMADAS							
							Uniforme 1							
0	0.92718	0.93431	0.93994	0.94450	0.94827	0.95144	0.95414	0.95647	0.95850	0.96029	0.96187	0.96329	0.96457	0.96572
1	0.91627	0.92332	0.92888	0.93339	0.93711	0.94025	0.94291	0.94522	0.94722	0.94899	0.95055	0.95196	0.95322	0.95436
5	0.87264	0.87935	0.88465	0.88894	0.89249	0.89547	0.89801	0.90021	0.90212	0.90380	0.90529	0.90663	0.90783	0.90891
10	0.81810	0.82439	0.82936	0.83338	0.83671	0.83951	0.84189	0.84394	0.84574	0.84731	0.84871	0.84996	0.85109	0.85211
15	0.76356	0.76943	0.77407	0.77782	0.78093	0.78354	0.78576	0.78768	0.78935	0.79083	0.79213	0.79330	0.79435	0.79530
20	0.70902	0.71447	0.71878	0.72226	0.72515	0.72757	0.72964	0.73142	0.73297	0.73434	0.73555	0.73663	0.73761	0.73849
25	0.65448	0.65951	0.66349	0.66671	0.66937	0.67160	0.67351	0.67516	0.67659	0.67785	0.67897	0.67997	0.68087	0.68168
30	0.59994	0.60455	0.60820	0.61115	0.61359	0.61564	0.61738	0.61889	0.62021	0.62136	0.62239	0.62331	0.62413	0.62488
35	0.54540	0.54959	0.55291	0.55559	0.55781	0.55967	0.56126	0.56263	0.56382	0.56488	0.56581	0.56664	0.56739	0.56807
40	0.49086	0.49463	0.49762	0.50003	0.50203	0.50370	0.50513	0.50637	0.50744	0.50839	0.50923	0.50998	0.51065	0.51126
45	0.43632	0.43968	0.44232	0.44447	0.44624	0.44774	0.44901	0.45010	0.45106	0.45190	0.45264	0.45331	0.45392	0.45446
50	0.38178	0.38472	0.38703	0.38891	0.39046	0.39177	0.39288	0.39384	0.39468	0.39541	0.39606	0.39665	0.39718	0.39765
55	0.32724	0.32976	0.33174	0.33335	0.33468	0.33580	0.33676	0.33758	0.33829	0.33893	0.33948	0.33998	0.34044	0.34084
60	0.27270	0.27480	0.27645	0.27779	0.27890	0.27984	0.28063	0.28131	0.28191	0.28244	0.28290	0.28332	0.28370	0.28404
65	0.21816	0.21984	0.22116	0.22224	0.22312	0.22387	0.22450	0.22505	0.22553	0.22595	0.22632	0.22666	0.22696	0.22723
70	0.16362	0.16488	0.16587	0.16668	0.16734	0.16790	0.16838	0.16879	0.16915	0.16946	0.16974	0.16999	0.17022	0.17042
75	0.10908	0.10992	0.11058	0.11112	0.11156	0.11193	0.11225	0.11253	0.11276	0.11298	0.11316	0.11333	0.11348	0.11361
80	0.05454	0.05496	0.05529	0.05556	0.05578	0.05597	0.05613	0.05626	0.05638	0.05649	0.05658	0.05666	0.05674	0.05681

Cuadro 46
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, OBSERVADAS Y ESTIMADAS, 1975 - 2040

Hipótesis Alta

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
						PROBABILIDADES ESTIMADAS								
						Uniforme 2								
0	1.08683	1.08875	1.09022	1.09139	1.09232	1.09309	1.09373	1.09427	1.09567	1.09513	1.09547	1.09578	1.09606	1.09629
1	1.08132	1.08326	1.08476	1.08594	1.08689	1.08768	1.08834	1.08889	1.09030	1.08978	1.09014	1.09046	1.09075	1.09100
5	1.05926	1.06130	1.06289	1.06416	1.06519	1.06606	1.06678	1.06740	1.06881	1.06841	1.06881	1.06918	1.06951	1.06980
10	1.03169	1.03385	1.03555	1.03693	1.03807	1.03902	1.03984	1.04054	1.04196	1.04168	1.04215	1.04258	1.04296	1.04330
15	1.00412	1.00640	1.00822	1.00970	1.01094	1.01199	1.01289	1.01367	1.01510	1.01496	1.01549	1.01598	1.01641	1.01681
20	0.97655	0.97895	0.98088	0.98248	0.98381	0.98496	0.98594	0.98680	0.98824	0.98823	0.98883	0.98938	0.98987	0.99031
25	0.94898	0.95150	0.95354	0.95525	0.95669	0.95792	0.95900	0.95994	0.96139	0.96151	0.96217	0.96277	0.96332	0.96381
30	0.92141	0.92404	0.92621	0.92802	0.92956	0.93089	0.93205	0.93307	0.93453	0.93479	0.93551	0.93617	0.93677	0.93732
35	0.89384	0.89659	0.89887	0.90079	0.90243	0.90386	0.90510	0.90620	0.90768	0.90806	0.90885	0.90957	0.91022	0.91082
40	0.86627	0.86914	0.87154	0.87357	0.87531	0.87683	0.87816	0.87934	0.88082	0.88134	0.88219	0.88297	0.88368	0.88433
45	0.83871	0.84169	0.84420	0.84634	0.84818	0.84979	0.85121	0.85247	0.85397	0.85461	0.85553	0.85637	0.85713	0.85783
50	0.81114	0.81424	0.81686	0.81911	0.82105	0.82276	0.82427	0.82560	0.82711	0.82789	0.82887	0.82976	0.83058	0.83133
55	0.78357	0.78679	0.78953	0.79188	0.79393	0.79573	0.79732	0.79874	0.80026	0.80117	0.80221	0.80316	0.80403	0.80484
60	0.75600	0.75934	0.76219	0.76465	0.76680	0.76869	0.77037	0.77187	0.77340	0.77444	0.77555	0.77656	0.77749	0.77834
65	0.72843	0.73189	0.73486	0.73743	0.73968	0.74166	0.74343	0.74500	0.74654	0.74772	0.74889	0.74996	0.75094	0.75184
70	0.70086	0.70444	0.70752	0.71020	0.71255	0.71463	0.71648	0.71814	0.71969	0.72099	0.72223	0.72336	0.72439	0.72535
75	0.67329	0.67699	0.68018	0.68297	0.68542	0.68760	0.68953	0.69127	0.69283	0.69427	0.69557	0.69676	0.69784	0.69885
80	0.64572	0.64954	0.65285	0.65574	0.65830	0.66056	0.66259	0.66441	0.66598	0.66755	0.66891	0.67015	0.67130	0.67236
						Exponencial								
0	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000
1	0.99847	0.99854	0.99861	0.99866	0.99870	0.99874	0.99877	0.99880	0.99886	0.99885	0.99887	0.99889	0.99891	0.99893
5	0.99237	0.99274	0.99305	0.99331	0.99353	0.99372	0.99388	0.99403	0.99430	0.99428	0.99438	0.99448	0.99457	0.99465
10	0.98480	0.98553	0.98614	0.98666	0.98709	0.98747	0.68780	0.98810	0.98863	0.98859	0.98880	0.98899	0.98916	0.98932
15	0.97728	0.97838	0.97929	0.98005	0.98070	0.98127	0.98176	0.98220	0.98299	0.98293	0.98325	0.98353	0.98379	0.98402
20	0.96982	0.97127	0.97248	0.97349	0.97435	0.97510	0.97576	0.97633	0.97739	0.97731	0.97772	0.97810	0.97844	0.97876
25	0.96242	0.96422	0.96571	0.96697	0.96804	0.96898	0.96979	0.97051	0.97182	0.97172	0.97223	0.97270	0.97313	0.97352
30	0.95508	0.95722	0.95900	0.96050	0.96178	0.96289	0.96386	0.96471	0.96628	0.96616	0.96677	0.96733	0.96784	0.96830
35	0.94779	0.95027	0.95233	0.95407	0.95555	0.95684	0.95796	0.95895	0.96077	0.96063	0.96134	0.96199	0.96258	0.96312
40	0.94055	0.94337	0.94571	0.94768	0.94936	0.95083	0.95210	0.95323	0.95529	0.95514	0.95594	0.95668	0.95735	0.95796
45	0.93338	0.93652	0.93913	0.94133	0.94322	0.94485	0.94628	0.94754	0.94984	0.94967	0.95058	0.95140	0.95215	0.95283
50	0.92625	0.92972	0.93260	0.93503	0.93711	0.93891	0.94049	0.94188	0.94443	0.94424	0.94524	0.94615	0.94698	0.94773
55	0.91918	0.92297	0.92612	0.92877	0.93104	0.93301	0.93474	0.93626	0.93904	0.93884	0.93993	0.94093	0.94183	0.94266
60	0.91217	0.91627	0.91968	0.92255	0.92502	0.92715	0.92902	0.93067	0.93369	0.93346	0.93465	0.93573	0.93672	0.93761
65	0.90521	0.90962	0.91329	0.91638	0.91903	0.92133	0.92334	0.92511	0.92837	0.92812	0.92940	0.93057	0.93163	0.93259
70	0.89830	0.90302	0.90694	0.91024	0.91308	0.91554	0.91769	0.91959	0.92307	0.92281	0.92418	0.92543	0.92657	0.92760
75	0.89144	0.89646	0.90063	0.90415	0.90716	0.90979	0.91208	0.91410	0.91781	0.91753	0.91899	0.92032	0.92153	0.92263
80	0.88464	0.88995	0.89437	0.89810	0.90129	0.90407	0.90650	0.90864	0.91258	0.91228	0.91383	0.91524	0.91653	0.91769

Cuadro 46
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, OBSERVADAS Y ESTIMADAS, 1975 - 2040

Hipótesis Alta

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
PROBABILIDADES ESTIMADAS														
Logistica														
0	0.99009	0.99104	0.99179	0.99240	0.99290	0.99332	0.99368	0.99399	0.99559	0.99449	0.99470	0.99489	0.99506	0.99521
1	0.98969	0.99067	0.99145	0.99207	0.99259	0.99303	0.99340	0.99372	0.99537	0.99424	0.99446	0.99466	0.99483	0.99499
5	0.98791	0.98902	0.98990	0.99062	0.99121	0.99171	0.99214	0.99250	0.99438	0.99311	0.99336	0.99359	0.99379	0.99397
10	0.98526	0.98655	0.98759	0.98843	0.98912	0.98971	0.99022	0.99066	0.99285	0.99138	0.99168	0.99195	0.99220	0.99242
15	0.98204	0.98354	0.98474	0.98573	0.98655	0.98724	0.98784	0.98836	0.99091	0.98922	0.98958	0.98990	0.99020	0.99046
20	0.97813	0.97987	0.98126	0.98241	0.98337	0.98419	0.98489	0.98551	0.98845	0.98653	0.98695	0.98734	0.98769	0.98800
25	0.97340	0.97539	0.97701	0.97834	0.97946	0.98042	0.98125	0.98197	0.98534	0.98317	0.98367	0.98413	0.98455	0.98492
30	0.96767	0.96995	0.97181	0.97336	0.97466	0.97577	0.97674	0.97758	0.98139	0.97900	0.97959	0.98013	0.98062	0.98106
35	0.96076	0.96336	0.96549	0.96726	0.96876	0.97006	0.97118	0.97217	0.97641	0.97382	0.97451	0.97515	0.97572	0.97624
40	0.95244	0.95538	0.95780	0.95983	0.96155	0.96304	0.96434	0.96548	0.97014	0.96740	0.96821	0.96895	0.96962	0.97023
45	0.94247	0.94576	0.94850	0.95080	0.95276	0.95446	0.95595	0.95726	0.96227	0.95948	0.96042	0.96128	0.96205	0.96276
50	0.93056	0.93422	0.93728	0.93986	0.94208	0.94401	0.94570	0.94720	0.95242	0.94973	0.95081	0.95179	0.95269	0.95351
55	0.91640	0.92042	0.92380	0.92668	0.92916	0.93132	0.93323	0.93492	0.94016	0.93779	0.93902	0.94013	0.94116	0.94209
60	0.89966	0.90403	0.90773	0.91089	0.91363	0.91602	0.91815	0.92003	0.92499	0.92324	0.92462	0.92588	0.92702	0.92808
65	0.88002	0.88469	0.88866	0.89209	0.89507	0.89768	0.90002	0.90209	0.90636	0.90563	0.90716	0.90855	0.90982	0.91100
70	0.85714	0.86203	0.86624	0.86989	0.87308	0.87589	0.87840	0.88064	0.88369	0.88449	0.88615	0.88767	0.88906	0.89035
75	0.83073	0.83576	0.84012	0.84392	0.84727	0.85022	0.85288	0.85525	0.85639	0.85935	0.86112	0.86274	0.86422	0.86561
80	0.80058	0.80561	0.81001	0.81387	0.81730	0.82033	0.82308	0.82553	0.82397	0.82978	0.83164	0.83331	0.83485	0.83631

Fuente : Cuadros 24, 26, 26', 30 y 42

Cuadro 47

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS
Hipótesis Alta

Edad	Observadas	Uniforme 1	% error	Uniforme 2	% error	Exponencial	% error	Logística	% error
				1 9 7 5					
0	0.92718	0.92718	0.0000	1.08683	-0.1597	1.00000	-0.0728	0.99009	-0.0629
1	0.97064	0.91627	0.0544	1.08132	-0.1107	0.99847	-0.0278	0.98969	-0.0190
5	0.99134	0.87264	0.1187	1.05926	-0.0679	0.99237	-0.0010	0.98791	0.0034
10	0.99457	0.81810	0.1765	1.03169	-0.0371	0.98480	0.0098	0.98526	0.0093
15	0.99107	0.76356	0.2275	1.00412	-0.0131	0.97728	0.0138	0.98204	0.0090
20	0.98558	0.70902	0.2766	0.97655	0.0090	0.96982	0.0158	0.97813	0.0074
25	0.98227	0.65448	0.3278	0.94898	0.0333	0.96242	0.0198	0.97340	0.0089
30	0.97814	0.59994	0.3782	0.92141	0.0567	0.95508	0.0231	0.96767	0.0105
35	0.97253	0.54540	0.4271	0.89384	0.0787	0.94779	0.0247	0.96076	0.0118
40	0.96637	0.49086	0.4755	0.86627	0.1001	0.94055	0.0258	0.95244	0.0139
45	0.95673	0.43632	0.5204	0.83871	0.1180	0.93338	0.0234	0.94247	0.0143
50	0.94391	0.38178	0.5621	0.81114	0.1328	0.92625	0.0177	0.93056	0.0134
55	0.92550	0.32724	0.5983	0.78357	0.1419	0.91918	0.0063	0.91640	0.0091
60	0.89752	0.27270	0.6248	0.75600	0.1415	0.91217	-0.0146	0.89966	-0.0021
65	0.85483	0.21816	0.6367	0.72843	0.1264	0.90521	-0.0504	0.88002	-0.0252
70	0.78815	0.16362	0.6245	0.70086	0.0873	0.89830	-0.1101	0.85714	-0.0690
75	0.68166	0.10908	0.5726	0.67329	0.0084	0.89144	-0.2098	0.83073	-0.1491
80	0.00000	0.05454	-0.0545	0.64572	-0.6457	0.88464	-0.8846	0.80058	-0.8006
ERROR MEDIO ABSOLUTO (%)			42.11		13.08		9.81		7.84
				1 9 8 0					
0	0.93431	0.93431	0.0000	1.08875	-0.1544	1.00000	-0.0657	0.99104	-0.0567
1	0.97316	0.92332	0.0498	1.08326	-0.1101	0.99854	-0.0254	0.99067	-0.0175
5	0.99207	0.87935	0.1127	1.06130	-0.0692	0.99274	-0.0007	0.98902	0.0030
10	0.99502	0.82439	0.1706	1.03385	-0.0388	0.98553	0.0095	0.98655	0.0085
15	0.99180	0.76943	0.2224	1.00640	-0.0146	0.97838	0.0134	0.98354	0.0083
20	0.98673	0.71447	0.2723	0.97895	0.0078	0.97127	0.0155	0.97987	0.0069
25	0.98364	0.65951	0.3241	0.95150	0.0321	0.96422	0.0194	0.97539	0.0082
30	0.97978	0.60455	0.3752	0.92404	0.0557	0.95722	0.0226	0.96995	0.0098
35	0.97450	0.54959	0.4249	0.89659	0.0779	0.95027	0.0242	0.96336	0.0111
40	0.96866	0.49463	0.4740	0.86914	0.0995	0.94337	0.0253	0.95538	0.0133
45	0.95950	0.43968	0.5198	0.84169	0.1178	0.93652	0.0230	0.94576	0.0137
50	0.94722	0.38472	0.5625	0.81424	0.1330	0.92972	0.0175	0.93422	0.0130
55	0.92946	0.32976	0.5997	0.78679	0.1427	0.92297	0.0065	0.92042	0.0090
60	0.90223	0.27480	0.6274	0.75934	0.1429	0.91627	-0.0140	0.90403	-0.0018
65	0.86022	0.21984	0.6404	0.73189	0.1283	0.90962	-0.0494	0.88469	-0.0245
70	0.79383	0.16488	0.6290	0.70444	0.0894	0.90302	-0.1092	0.86203	-0.0682
75	0.68656	0.10992	0.5766	0.67699	0.0096	0.89646	-0.2099	0.83576	-0.1492
80	0.00000	0.05496	-0.0550	0.64954	-0.6495	0.88995	-0.8900	0.80561	-0.8056
ERROR MEDIO ABSOLUTO (%)			41.85		13.07		9.72		7.75

Cuadro 47
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS
Hipótesis Alta

Edad	Observadas	Uniforme 1	% error	Uniforme 2	% error	Exponencial	% error	Logística	% error
				1985					
0	0.93994	0.93994	0.0000	1.09022	-0.1503	1.00000	-0.0601	0.99179	-0.0519
1	0.97518	0.92888	0.0463	1.08476	-0.1096	0.99861	-0.0234	0.99145	-0.0163
5	0.99265	0.88465	0.1080	1.06289	-0.0702	0.99305	-0.0004	0.98990	0.0027
10	0.99538	0.82936	0.1660	1.03555	-0.0402	0.98614	0.0092	0.98759	0.0078
15	0.99239	0.77407	0.2183	1.00822	-0.0158	0.97929	0.0131	0.98474	0.0076
20	0.98766	0.71878	0.2689	0.98088	0.0068	0.97248	0.0152	0.98126	0.0064
25	0.98475	0.66349	0.3213	0.95354	0.0312	0.96571	0.0190	0.97701	0.0077
30	0.98110	0.60820	0.3729	0.92621	0.0549	0.95900	0.0221	0.97181	0.0093
35	0.97611	0.55291	0.4232	0.89887	0.0772	0.95233	0.0238	0.96549	0.0106
40	0.97054	0.49762	0.4729	0.87154	0.0990	0.94571	0.0248	0.95780	0.0127
45	0.96178	0.44232	0.5195	0.84420	0.1176	0.93913	0.0226	0.94850	0.0133
50	0.94996	0.38703	0.5629	0.81686	0.1331	0.93260	0.0174	0.93728	0.0127
55	0.93276	0.33174	0.6010	0.78953	0.1432	0.92612	0.0066	0.92380	0.0090
60	0.90620	0.27645	0.6297	0.76219	0.1440	0.91968	-0.0135	0.90773	-0.0015
65	0.86484	0.22116	0.6437	0.73486	0.1300	0.91329	-0.0484	0.88866	-0.0238
70	0.79877	0.16587	0.6329	0.70752	0.0912	0.90694	-0.1082	0.86624	-0.0675
75	0.69087	0.11058	0.5803	0.68018	0.0107	0.90063	-0.2098	0.84012	-0.1492
80	0.00000	0.05529	-0.0553	0.65285	-0.6528	0.89437	-0.8944	0.81001	-0.8100
ERROR MEDIO ABSOLUTO (%)			41.65		13.07		9.63		7.67
				1990					
0	0.94450	0.94450	0.0000	1.09139	-0.1469	1.00000	-0.0555	0.99240	-0.0479
1	0.97683	0.93339	0.0434	1.08594	-0.1091	0.99866	-0.0218	0.99207	-0.0152
5	0.99312	0.88894	0.1042	1.06416	-0.0710	0.99331	-0.0002	0.99062	0.0025
10	0.99568	0.83338	0.1623	1.03693	-0.0413	0.98666	0.0090	0.98843	0.0073
15	0.99287	0.77782	0.2150	1.00970	-0.0168	0.98005	0.0128	0.98573	0.0071
20	0.98842	0.72226	0.2662	0.98248	0.0059	0.97349	0.0149	0.98241	0.0060
25	0.98567	0.66671	0.3190	0.95525	0.0304	0.96697	0.0187	0.97834	0.0073
30	0.98220	0.61115	0.3711	0.92802	0.0542	0.96050	0.0217	0.97336	0.0088
35	0.97743	0.55559	0.4218	0.90079	0.0766	0.95407	0.0234	0.96726	0.0102
40	0.97210	0.50003	0.4721	0.87357	0.0985	0.94768	0.0244	0.95983	0.0123
45	0.96368	0.44447	0.5192	0.84634	0.1173	0.94133	0.0223	0.95080	0.0129
50	0.95227	0.38891	0.5634	0.81911	0.1332	0.93503	0.0172	0.93986	0.0124
55	0.93557	0.33335	0.6022	0.79188	0.1437	0.92877	0.0068	0.92668	0.0089
60	0.90960	0.27779	0.6318	0.76465	0.1449	0.92255	-0.0130	0.91089	-0.0013
65	0.86883	0.22224	0.6466	0.73743	0.1314	0.91638	-0.0475	0.89209	-0.0233
70	0.80309	0.16668	0.6364	0.71020	0.0929	0.91024	-0.1072	0.86989	-0.0668
75	0.69469	0.11112	0.5836	0.68297	0.0117	0.90415	-0.2095	0.84392	-0.1492
80	0.00000	0.05556	-0.0556	0.65574	-0.6557	0.89810	-0.8981	0.81387	-0.8139
ERROR MEDIO ABSOLUTO (%)			41.50		13.06		9.56		7.61

Cuadro 47
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS
Hipótesis Alta

Edad	Observadas	Uniforme 1	% error	Uniforme 2	% error	Exponencial	% error	Logística	% error
				1995					
0	0.94827	0.94827	0.0000	1.09232	-0.1441	1.00000	-0.0517	0.99290	-0.0446
1	0.97820	0.93711	0.0411	1.08689	-0.1087	0.99870	-0.0205	0.99259	-0.0144
5	0.99352	0.89249	0.1010	1.06519	-0.0717	0.99353	0.0000	0.99121	0.0023
10	0.99592	0.83671	0.1592	1.03807	-0.0421	0.98709	0.0088	0.98912	0.0068
15	0.99327	0.78093	0.2123	1.01094	-0.0177	0.98070	0.0126	0.98655	0.0067
20	0.98905	0.72515	0.2639	0.98381	0.0052	0.97435	0.0147	0.98337	0.0057
25	0.98643	0.66937	0.3171	0.95669	0.0297	0.96804	0.0184	0.97946	0.0070
30	0.98312	0.61359	0.3695	0.92956	0.0536	0.96178	0.0213	0.97466	0.0085
35	0.97856	0.55781	0.4208	0.90243	0.0761	0.95555	0.0230	0.96876	0.0098
40	0.97342	0.50203	0.4714	0.87531	0.0981	0.94936	0.0241	0.96155	0.0119
45	0.96530	0.44624	0.5191	0.84818	0.1171	0.94322	0.0221	0.95276	0.0125
50	0.95424	0.39046	0.5638	0.82105	0.1332	0.93711	0.0171	0.94208	0.0122
55	0.93798	0.33468	0.6033	0.79393	0.1441	0.93104	0.0069	0.92916	0.0088
60	0.91254	0.27890	0.6336	0.76680	0.1457	0.92502	-0.0125	0.91363	-0.0011
65	0.87232	0.22312	0.6492	0.73968	0.1326	0.91903	-0.0467	0.89507	-0.0227
70	0.80690	0.16734	0.6396	0.71255	0.0944	0.91308	-0.1062	0.87308	-0.0662
75	0.69809	0.11156	0.5865	0.68542	0.0127	0.90716	-0.2091	0.84727	-0.1492
80	0.00000	0.05578	-0.0558	0.65830	-0.6583	0.90129	-0.9013	0.81730	-0.8173
ERROR MEDIO ABSOLUTO (%)			41.38		13.06		9.50		7.56
				2000					
0	0.95144	0.95144	0.0000	1.09309	-0.1416	1.00000	-0.0486	0.99332	-0.0419
1	0.97937	0.94025	0.0391	1.08768	-0.1083	0.99874	-0.0194	0.99303	-0.0137
5	0.99386	0.89547	0.0984	1.06606	-0.0722	0.99372	0.0001	0.99171	0.0022
10	0.99613	0.83951	0.1566	1.03902	-0.0429	0.98747	0.0087	0.98971	0.0064
15	0.99361	0.78354	0.2101	1.01199	-0.0184	0.98127	0.0123	0.98724	0.0064
20	0.98959	0.72757	0.2620	0.98496	0.0046	0.97510	0.0145	0.98419	0.0054
25	0.98708	0.67160	0.3155	0.95792	0.0292	0.96898	0.0181	0.98042	0.0067
30	0.98390	0.61564	0.3683	0.93089	0.0530	0.96289	0.0210	0.97577	0.0081
35	0.97951	0.55967	0.4198	0.90386	0.0757	0.95684	0.0227	0.97006	0.0095
40	0.97455	0.50370	0.4708	0.87683	0.0977	0.95083	0.0237	0.96304	0.0115
45	0.96670	0.44774	0.5190	0.84979	0.1169	0.94485	0.0218	0.95446	0.0122
50	0.95595	0.39177	0.5642	0.82276	0.1332	0.93891	0.0170	0.94401	0.0119
55	0.94007	0.33580	0.6043	0.79573	0.1443	0.93301	0.0071	0.93132	0.0087
60	0.91511	0.27984	0.6353	0.76869	0.1464	0.92715	-0.0120	0.91602	-0.0009
65	0.87539	0.22387	0.6515	0.74166	0.1337	0.92133	-0.0459	0.89768	-0.0223
70	0.81030	0.16790	0.6424	0.71463	0.0957	0.91554	-0.1052	0.87589	-0.0656
	0.70115	0.11193	0.5892	0.68760	0.0136	0.90979	-0.2086	0.85022	-0.1491
	0.00000	0.05597	-0.0560	0.66056	-0.6606	0.90407	-0.9041	0.82033	-0.8203
ERROR MEDIO ABSOLUTO (%)			41.28		13.05		9.45		7.52

Cuadro 47
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS
Hipótesis Alta

Edad	Observadas	Uniforme 1	% error	Uniforme 2	% error	Exponencial	% error	Logistica	% error
				2005					
0	0.95414	0.95414	0.0000	1.09373	-0.1396	1.00000	-0.0459	0.99368	-0.0395
1	0.98037	0.94291	0.0375	1.08834	-0.1080	0.99877	-0.0184	0.99340	-0.0130
5	0.99414	0.89801	0.0961	1.06678	-0.0726	0.99388	0.0003	0.99214	0.0020
10	0.99631	0.84189	0.1544	1.03984	-0.0435	0.98780	0.0085	0.99022	0.0061
15	0.99390	0.78576	0.2081	1.01289	-0.0190	0.98176	0.0121	0.98784	0.0061
20	0.99006	0.72964	0.2604	0.98594	0.0041	0.97576	0.0143	0.98489	0.0052
25	0.98765	0.67351	0.3141	0.95900	0.0287	0.96979	0.0179	0.98125	0.0064
30	0.98458	0.61738	0.3672	0.93205	0.0525	0.96386	0.0207	0.97674	0.0078
35	0.98035	0.56126	0.4191	0.90510	0.0752	0.95796	0.0224	0.97118	0.0092
40	0.97554	0.50513	0.4704	0.87816	0.0974	0.95210	0.0234	0.96434	0.0112
45	0.96791	0.44901	0.5189	0.85121	0.1167	0.94628	0.0216	0.95595	0.0120
50	0.95744	0.39288	0.5646	0.82427	0.1332	0.94049	0.0170	0.94570	0.0117
55	0.94191	0.33676	0.6052	0.79732	0.1446	0.93474	0.0072	0.93323	0.0087
60	0.91738	0.28063	0.6368	0.77037	0.1470	0.92902	-0.0116	0.91815	-0.0008
65	0.87812	0.22450	0.6536	0.74343	0.1347	0.92334	-0.0452	0.90002	-0.0219
70	0.81333	0.16838	0.6450	0.71648	0.0968	0.91769	-0.1044	0.87840	-0.0651
75	0.70390	0.11225	0.5916	0.68953	0.0144	0.91208	-0.2082	0.85288	-0.1490
80	0.00000	0.05613	-0.0561	0.66259	-0.6626	0.90650	-0.9065	0.82308	-0.8231
ERROR MEDIO ABSOLUTO (%)			41.20		13.05		9.40		7.48
				2010					
0	0.95647	0.95647	0.0000	1.09427	-0.1378	1.00000	-0.0435	0.99399	-0.0375
1	0.98123	0.94522	0.0360	1.08889	-0.1077	0.99880	-0.0176	0.99372	-0.0125
5	0.99439	0.90021	0.0942	1.06740	-0.0730	0.99403	0.0004	0.99250	0.0019
10	0.99647	0.84394	0.1525	1.04054	-0.0441	0.98810	0.0084	0.99066	0.0058
15	0.99415	0.78768	0.2065	1.01367	-0.0195	0.98220	0.0120	0.98836	0.0058
20	0.99047	0.73142	0.2591	0.98680	0.0037	0.97633	0.0141	0.98551	0.0050
25	0.98814	0.67516	0.3130	0.95994	0.0282	0.97051	0.0176	0.98197	0.0062
30	0.98517	0.61889	0.3663	0.93307	0.0521	0.96471	0.0205	0.97758	0.0076
35	0.98107	0.56263	0.4194	0.90620	0.0749	0.95895	0.0221	0.97217	0.0089
40	0.97640	0.50637	0.4700	0.87934	0.0971	0.95323	0.0232	0.96548	0.0109
45	0.96898	0.45010	0.5189	0.85247	0.1165	0.94754	0.0214	0.95726	0.0117
50	0.95875	0.39384	0.5649	0.82560	0.1331	0.94188	0.0169	0.94720	0.0116
55	0.94353	0.33758	0.6060	0.79874	0.1448	0.93626	0.0073	0.93492	0.0086
60	0.91940	0.28131	0.6381	0.77187	0.1475	0.93067	-0.0113	0.92003	-0.0006
65	0.88056	0.22505	0.6555	0.74500	0.1356	0.92511	-0.0446	0.90209	-0.0215
70	0.81606	0.16879	0.6473	0.71814	0.0979	0.91959	-0.1035	0.88064	-0.0646
75	0.70638	0.11253	0.5939	0.69127	0.0151	0.91410	-0.2077	0.85525	-0.1489
80	0.00000	0.05626	-0.0563	0.66441	-0.6644	0.90864	-0.9086	0.82553	-0.8255
ERROR MEDIO ABSOLUTO (%)			41.13		13.05		9.36		7.45

Cuadro 47
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS
Hipótesis Alta

Edad	Observadas	Uniforme 1	% error	Uniforme 2	% error	Exponencial	% error	Logística	% error
				2 0 1 5					
0	0.95850	0.95850	0.0000	1.09567	-0.1372	1.00000	-0.0415	0.99559	-0.0371
1	0.98199	0.94722	0.0348	1.09030	-0.1083	0.99886	-0.0169	0.99537	-0.0134
5	0.99461	0.90212	0.0925	1.06881	-0.0742	0.99430	0.0003	0.99438	0.0002
10	0.99660	0.84574	0.1509	1.04196	-0.0454	0.98863	0.0080	0.99285	0.0037
15	0.99438	0.78935	0.2050	1.01510	-0.0207	0.98299	0.0114	0.99091	0.0035
20	0.99908	0.73297	0.2661	0.98824	0.0108	0.97739	0.0217	0.98845	0.0106
25	0.98857	0.67659	0.3120	0.96139	0.0272	0.97182	0.0168	0.98534	0.0032
30	0.98570	0.62021	0.3655	0.93453	0.0512	0.96628	0.0194	0.98139	0.0043
35	0.98171	0.56382	0.4179	0.90768	0.0740	0.96077	0.0209	0.97641	0.0053
40	0.97716	0.50744	0.4697	0.88082	0.0963	0.95529	0.0219	0.97014	0.0070
45	0.96992	0.45106	0.5189	0.85397	0.1160	0.94984	0.0201	0.96227	0.0077
50	0.95992	0.39468	0.5652	0.82711	0.1328	0.94443	0.0155	0.95242	0.0075
55	0.94498	0.33829	0.6067	0.80026	0.1447	0.93904	0.0059	0.94016	0.0048
60	0.92121	0.28191	0.6393	0.77340	0.1478	0.93369	-0.0125	0.92499	-0.0038
65	0.88276	0.22553	0.6572	0.74654	0.1362	0.92837	-0.0456	0.90636	-0.0236
70	0.81854	0.16915	0.6494	0.71969	0.0989	0.92307	-0.1045	0.88369	-0.0651
75	0.70864	0.11276	0.5959	0.69283	0.0158	0.91781	-0.2092	0.85639	-0.1478
80	0.00000	0.05638	-0.0564	0.66598	-0.6660	0.91258	-0.9126	0.82397	-0.8240
ERROR MEDIO ABSOLUTO (%)			41.11		13.09		9.37		7.30
				2 0 2 0					
0	0.96029	0.96029	0.0000	1.09513	-0.1348	1.00000	-0.0397	0.99449	-0.0342
1	0.98266	0.94899	0.0337	1.08978	-0.1071	0.99885	-0.0162	0.99424	-0.0116
5	0.99481	0.90380	0.0910	1.06841	-0.0736	0.99428	0.0005	0.99311	0.0017
10	0.99672	0.84731	0.1494	1.04168	-0.0450	0.98859	0.0081	0.99138	0.0053
15	0.99458	0.79083	0.2038	1.01496	-0.0204	0.98293	0.0116	0.98922	0.0054
20	0.99114	0.73434	0.2568	0.98823	0.0029	0.97731	0.0138	0.98653	0.0046
25	0.98895	0.67785	0.3111	0.96151	0.0274	0.97172	0.0172	0.98317	0.0058
30	0.98616	0.62136	0.3648	0.93479	0.0514	0.96616	0.0200	0.97900	0.0072
35	0.98228	0.56488	0.4174	0.90806	0.0742	0.96063	0.0216	0.97382	0.0085
40	0.97784	0.50839	0.4695	0.88134	0.0965	0.95514	0.0227	0.96740	0.0104
45	0.97077	0.45190	0.5189	0.85461	0.1162	0.94967	0.0211	0.95948	0.0113
50	0.96096	0.39541	0.5655	0.82789	0.1331	0.94424	0.0167	0.94973	0.0112
55	0.94628	0.33893	0.6074	0.80117	0.1451	0.93884	0.0074	0.93779	0.0085
60	0.92284	0.28244	0.6404	0.77444	0.1484	0.93346	-0.0106	0.92324	-0.0004
65	0.88475	0.22595	0.6588	0.74772	0.1370	0.92812	-0.0434	0.90563	-0.0209
70	0.82079	0.16946	0.6513	0.72099	0.0998	0.92281	-0.1020	0.88449	-0.0637
75	0.71070	0.11298	0.5977	0.69427	0.0164	0.91753	-0.2068	0.85935	-0.1486
80	0.00000	0.05649	-0.0565	0.66755	-0.6675	0.91228	-0.9123	0.82978	-0.8298
ERROR MEDIO ABSOLUTO (%)			41.03		13.05		9.28		7.40

Cuadro 47
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS
Hipótesis Alta

Edad	Observadas	Uniforme 1	% error	Uniforme 2	% error	Exponencial	% error	Logística	% error
				2025					
0	0.96187	0.96187	0.0000	1.09547	-0.1336	1.00000	-0.0381	0.99470	-0.0328
1	0.98326	0.95055	0.0327	1.09014	-0.1069	0.99887	-0.0156	0.99446	-0.0112
5	0.99498	0.90529	0.0897	1.06881	-0.0738	0.99438	0.0006	0.99336	0.0016
10	0.99683	0.84871	0.1481	1.04215	-0.0453	0.98880	0.0080	0.99168	0.0052
15	0.94750	0.79213	0.1554	1.01549	-0.0680	0.98325	-0.0357	0.98958	-0.0421
20	0.99142	0.73555	0.2559	0.98883	0.0026	0.97772	0.0137	0.98695	0.0045
25	0.98929	0.67897	0.3103	0.96217	0.0271	0.97223	0.0171	0.98367	0.0056
30	0.98657	0.62239	0.3642	0.93551	0.0511	0.96677	0.0198	0.97959	0.0070
35	0.98279	0.56581	0.4170	0.90885	0.0739	0.96134	0.0214	0.97451	0.0083
40	0.97845	0.50923	0.4692	0.88219	0.0963	0.95594	0.0225	0.96821	0.0102
45	0.97153	0.45264	0.5189	0.85553	0.1160	0.95058	0.0210	0.96042	0.0111
50	0.96190	0.39606	0.5658	0.82887	0.1330	0.94524	0.0167	0.95081	0.0111
55	0.94746	0.33948	0.6080	0.80221	0.1452	0.93993	0.0075	0.93902	0.0084
60	0.92431	0.28290	0.6414	0.77555	0.1488	0.93465	-0.0103	0.92462	-0.0003
65	0.88656	0.22632	0.6602	0.74889	0.1377	0.92940	-0.0428	0.90716	-0.0206
70	0.82284	0.16974	0.6531	0.72223	0.1006	0.92418	-0.1013	0.88615	-0.0633
75	0.71259	0.11316	0.5994	0.69557	0.0170	0.91899	-0.2064	0.86112	-0.1485
80	0.00000	0.05658	-0.0566	0.66891	-0.6689	0.91383	-0.9138	0.83164	-0.8316
ERROR MEDIO ABSOLUTO (%)			40.81		13.38		9.43		7.63
				2030					
0	0.96329	0.96329	0.0000	1.09578	-0.1325	1.00000	-0.0367	0.99489	-0.0316
1	0.98379	0.95196	0.0318	1.09046	-0.1067	0.99889	-0.0151	0.99466	-0.0109
5	0.99514	0.90663	0.0885	1.06918	-0.0740	0.99448	0.0007	0.99359	0.0016
10	0.99693	0.84996	0.1470	1.04258	-0.0456	0.98899	0.0079	0.99195	0.0050
15	0.99491	0.79330	0.2016	1.01598	-0.0211	0.98353	0.0114	0.98990	0.0050
20	0.99167	0.73663	0.2550	0.98938	0.0023	0.97810	0.0136	0.98734	0.0043
25	0.98960	0.67997	0.3096	0.96277	0.0268	0.97270	0.0169	0.98413	0.0055
30	0.98695	0.62331	0.3636	0.93617	0.0508	0.96733	0.0196	0.98013	0.0068
35	0.98325	0.56664	0.4166	0.90957	0.0737	0.96199	0.0213	0.97515	0.0081
40	0.97900	0.50998	0.4690	0.88297	0.0960	0.95668	0.0223	0.96895	0.0100
45	0.97221	0.45331	0.5189	0.85637	0.1158	0.95140	0.0208	0.96128	0.0109
50	0.96276	0.39665	0.5661	0.82976	0.1330	0.94615	0.0166	0.95179	0.0110
55	0.94852	0.33998	0.6085	0.80316	0.1454	0.94093	0.0076	0.94013	0.0084
60	0.92565	0.28332	0.6423	0.77656	0.1491	0.93573	-0.0101	0.92588	-0.0002
65	0.88821	0.22666	0.6616	0.74996	0.1383	0.93057	-0.0424	0.90855	-0.0203
70	0.82472	0.16999	0.6547	0.72336	0.1014	0.92543	-0.1007	0.88767	-0.0629
75	0.71432	0.11333	0.6010	0.69676	0.0176	0.92032	-0.2060	0.86274	-0.1484
80	0.00000	0.05666	-0.0567	0.67015	-0.6702	0.91524	-0.9152	0.83331	-0.8333
ERROR MEDIO ABSOLUTO (%)			40.95		13.04		9.22		7.36

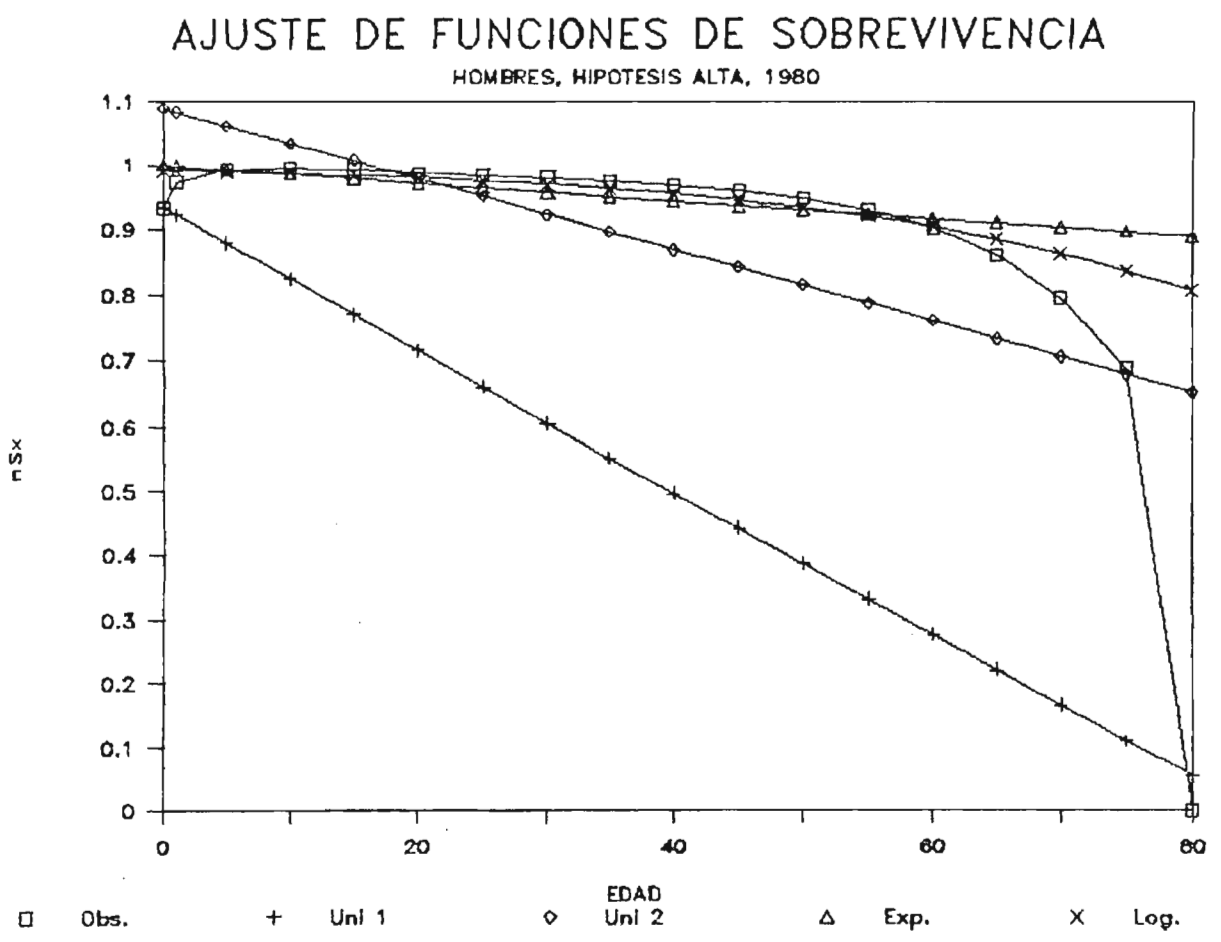
Cuadro 47
(Continuación)

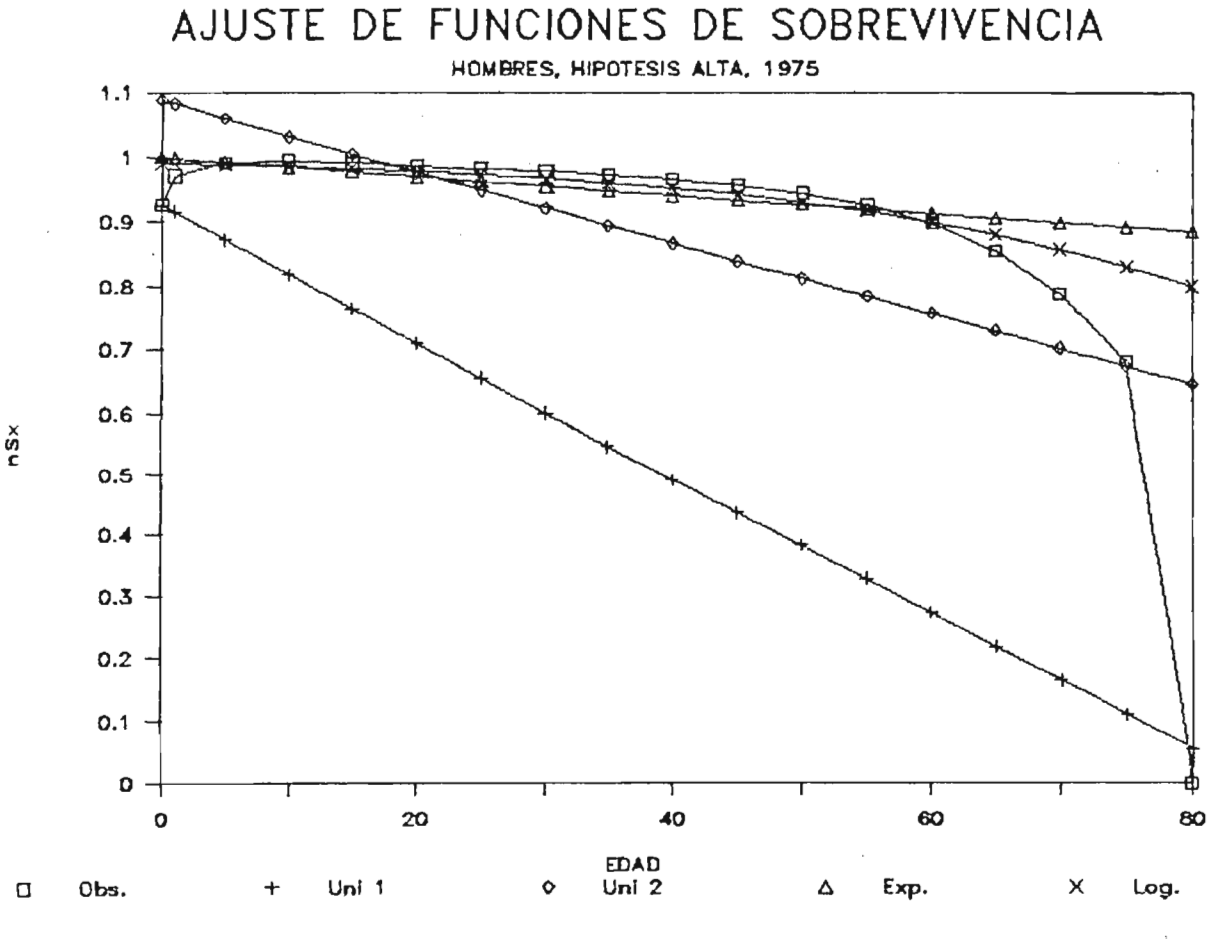
COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS
Hipótesis Alta

Edad	Observadas	Uniforme 1	% error	Uniforme 2	% error	Exponencial	% error	Logística	% error
				2035					
0	0.96457	0.96457	0.0000	1.09606	-0.1315	1.00000	-0.0354	0.99506	-0.0305
1	0.98428	0.95322	0.0311	1.09075	-0.1065	0.99891	-0.0146	0.99483	-0.0106
5	0.99528	0.90783	0.0874	1.06951	-0.0742	0.99457	0.0007	0.99379	0.0015
10	0.99702	0.85109	0.1459	1.04296	-0.0459	0.98916	0.0079	0.99220	0.0048
15	0.99505	0.79435	0.2007	1.01641	-0.0214	0.98379	0.0113	0.99020	0.0049
20	0.99190	0.73761	0.2543	0.98987	0.0020	0.97844	0.0135	0.98769	0.0042
25	0.98988	0.68087	0.3090	0.96332	0.0266	0.97313	0.0168	0.98455	0.0053
30	0.98729	0.62413	0.3632	0.93677	0.0505	0.96784	0.0194	0.98062	0.0067
35	0.98367	0.56739	0.4163	0.91022	0.0734	0.96258	0.0211	0.97572	0.0079
40	0.97950	0.51065	0.4688	0.88368	0.0958	0.95735	0.0221	0.96962	0.0099
45	0.97283	0.45392	0.5189	0.85713	0.1157	0.95215	0.0207	0.96205	0.0108
50	0.96353	0.39718	0.5664	0.83058	0.1329	0.94698	0.0166	0.95269	0.0108
55	0.94949	0.34044	0.6091	0.80403	0.1455	0.94183	0.0077	0.94116	0.0083
60	0.92688	0.28370	0.6432	0.77749	0.1494	0.93672	-0.0098	0.92702	-0.0001
65	0.88972	0.22696	0.6628	0.75094	0.1388	0.93163	-0.0419	0.90982	-0.0201
70	0.82645	0.17022	0.6562	0.72439	0.1021	0.92657	-0.1001	0.88906	-0.0626
75	0.71591	0.11348	0.6024	0.69784	0.0181	0.92153	-0.2056	0.86422	-0.1483
80	0.00000	0.05674	-0.0567	0.67130	-0.6713	0.91653	-0.9165	0.83485	-0.8349
ERROR MEDIO ABSOLUTO (%)			40.91		13.04		9.20		7.34
				2040					
0	0.96572	0.96572	0.0000	1.09629	-0.1306	1.00000	-0.0343	0.99521	-0.0295
1	0.98471	0.95436	0.0304	1.09100	-0.1063	0.99893	-0.0142	0.99499	-0.0103
5	0.99540	0.90891	0.0865	1.06980	-0.0744	0.99465	0.0008	0.99397	0.0014
10	0.99710	0.85211	0.1450	1.04330	-0.0462	0.98932	0.0078	0.99242	0.0047
15	0.99518	0.79530	0.1999	1.01681	-0.0216	0.98402	0.0112	0.99046	0.0047
20	0.99211	0.73849	0.2536	0.99031	0.0018	0.97876	0.0134	0.98800	0.0041
25	0.99013	0.68168	0.3084	0.96381	0.0263	0.97352	0.0166	0.98492	0.0052
30	0.98759	0.62488	0.3627	0.93732	0.0503	0.96830	0.0193	0.98106	0.0065
35	0.98405	0.56807	0.4160	0.91082	0.0732	0.96312	0.0209	0.97624	0.0078
40	0.97995	0.51126	0.4687	0.88433	0.0956	0.95796	0.0220	0.97023	0.0097
45	0.97340	0.45446	0.5189	0.85783	0.1156	0.95283	0.0206	0.96276	0.0106
50	0.96424	0.39765	0.5666	0.83133	0.1329	0.94773	0.0165	0.95351	0.0107
55	0.95039	0.34084	0.6095	0.80484	0.1456	0.94266	0.0077	0.94209	0.0083
60	0.92801	0.28404	0.6440	0.77834	0.1497	0.93761	-0.0096	0.92808	-0.0001
65	0.89112	0.22723	0.6639	0.75184	0.1393	0.93259	-0.0415	0.91100	-0.0199
70	0.82805	0.17042	0.6576	0.72535	0.1027	0.92760	-0.0995	0.89035	-0.0623
75	0.71738	0.11361	0.6038	0.69885	0.0185	0.92263	-0.2053	0.86561	-0.1482
80	0.00000	0.05681	-0.0568	0.67236	-0.6724	0.91769	-0.9177	0.83631	-0.8363
ERROR MEDIO ABSOLUTO (%)			40.88		13.04		9.17		7.32

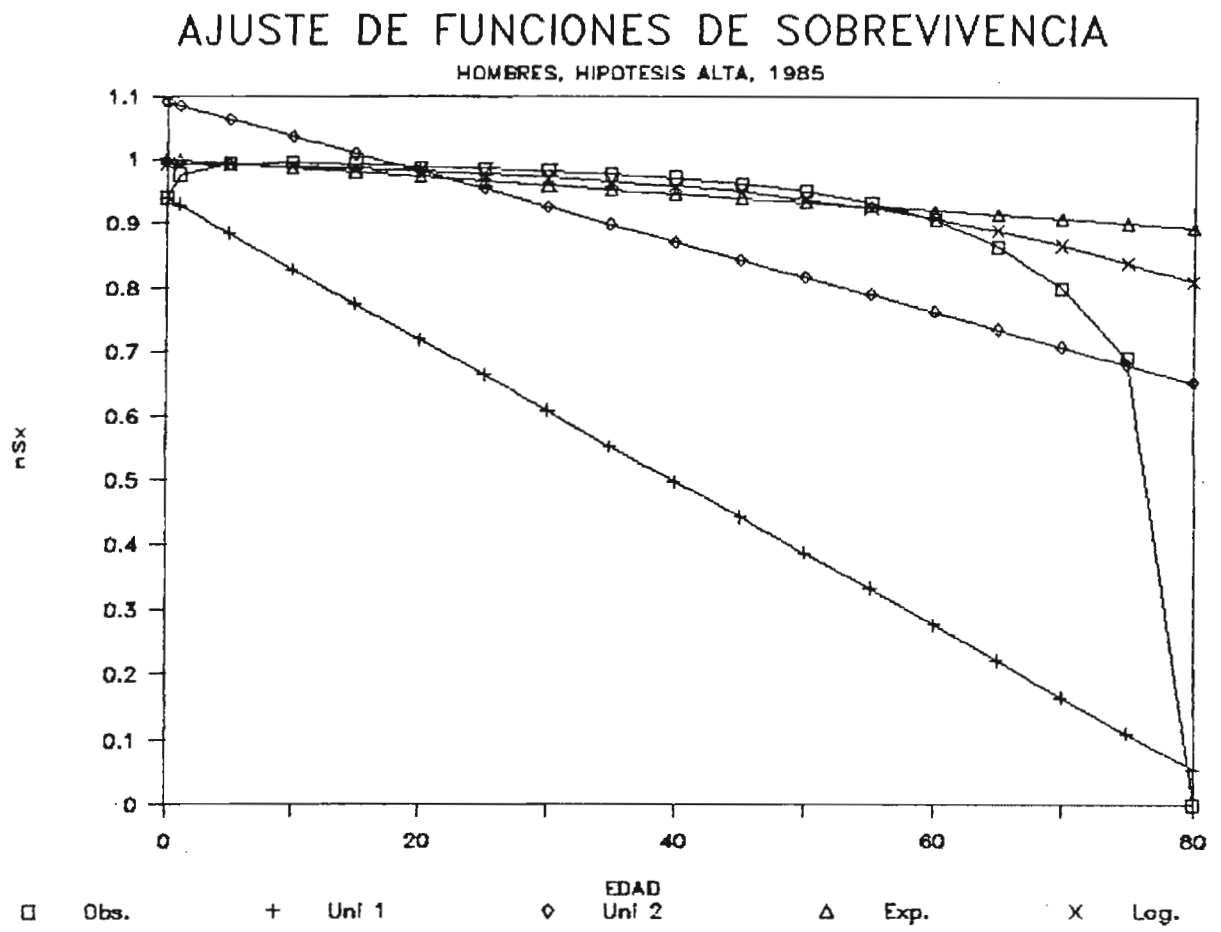
Fuente: Cuadro 46.

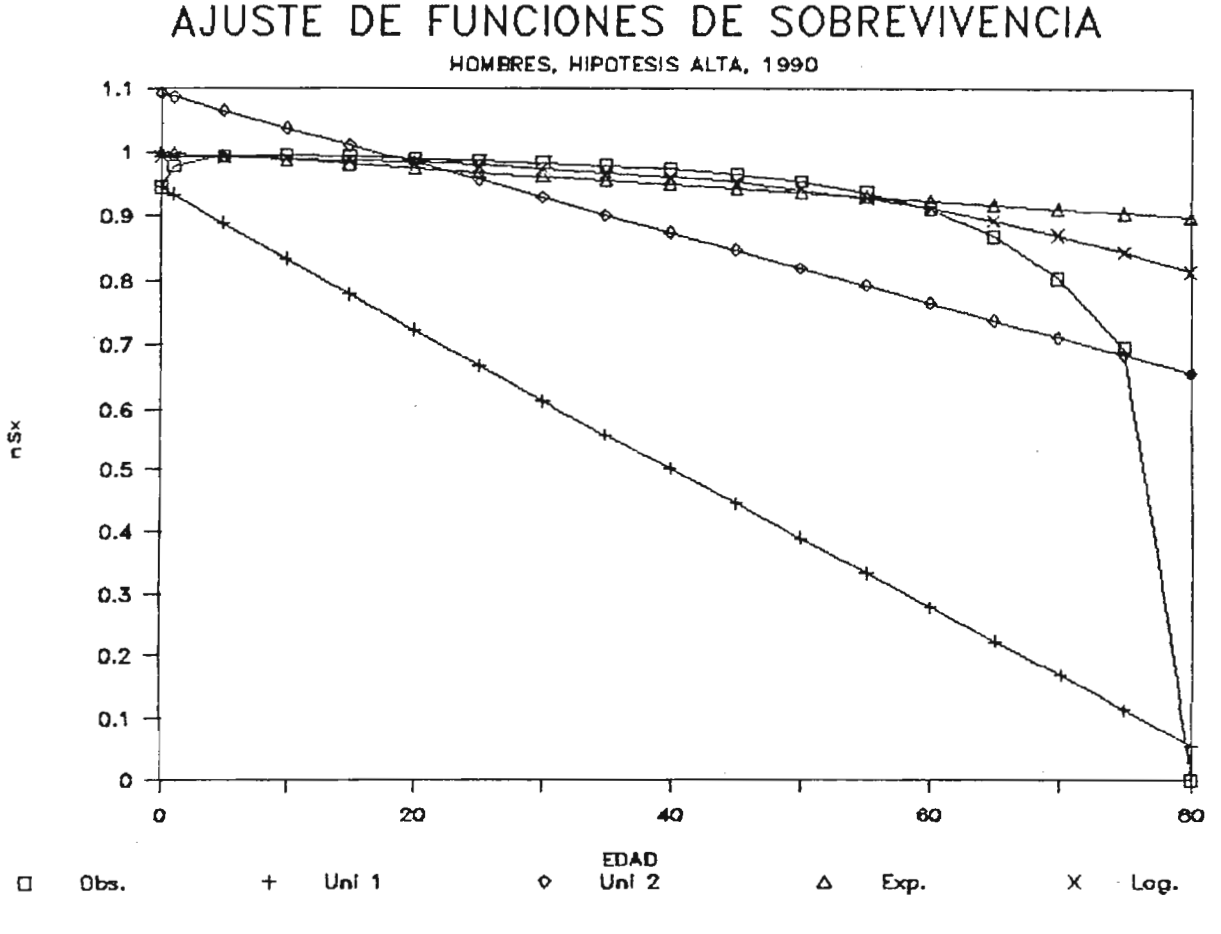
Gráfica 31 y 32



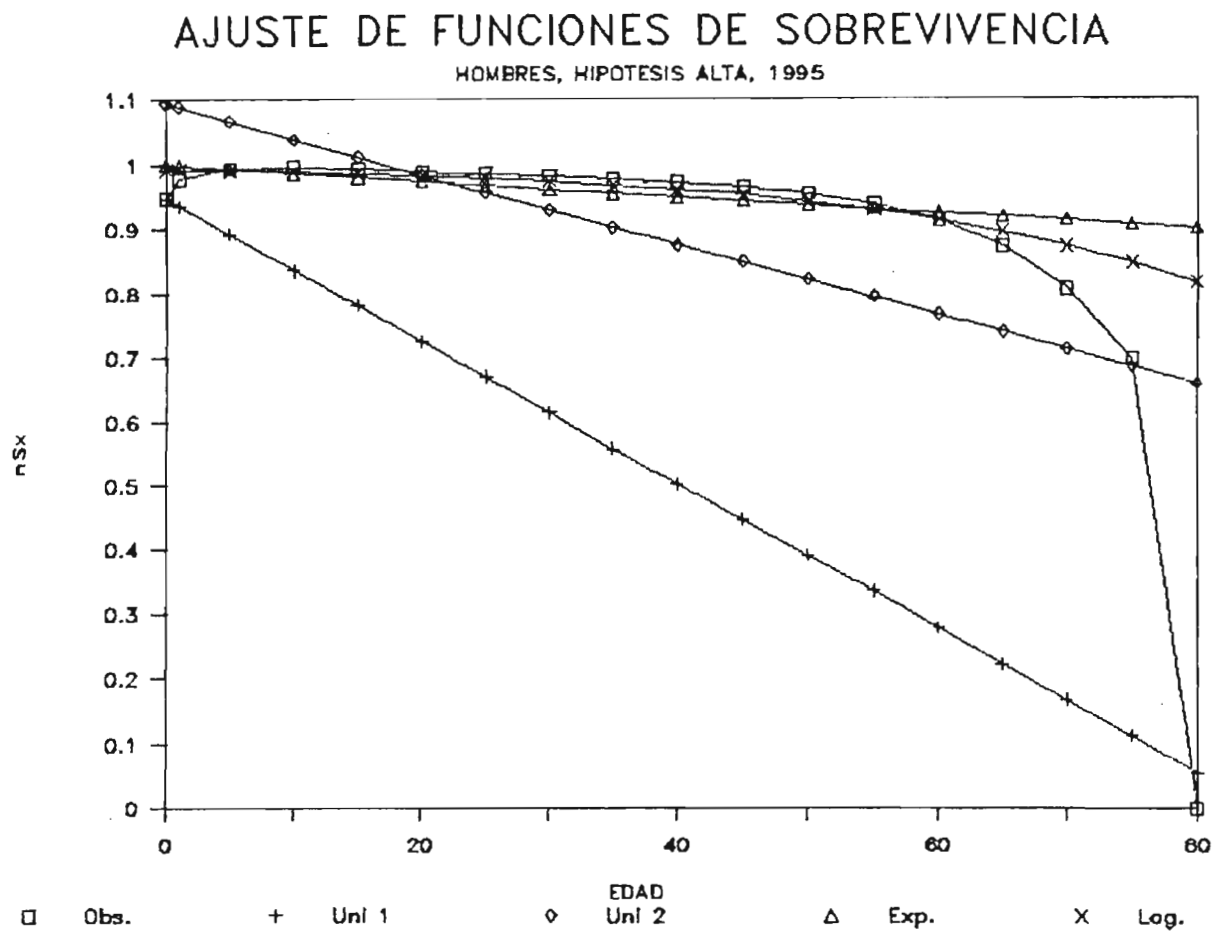


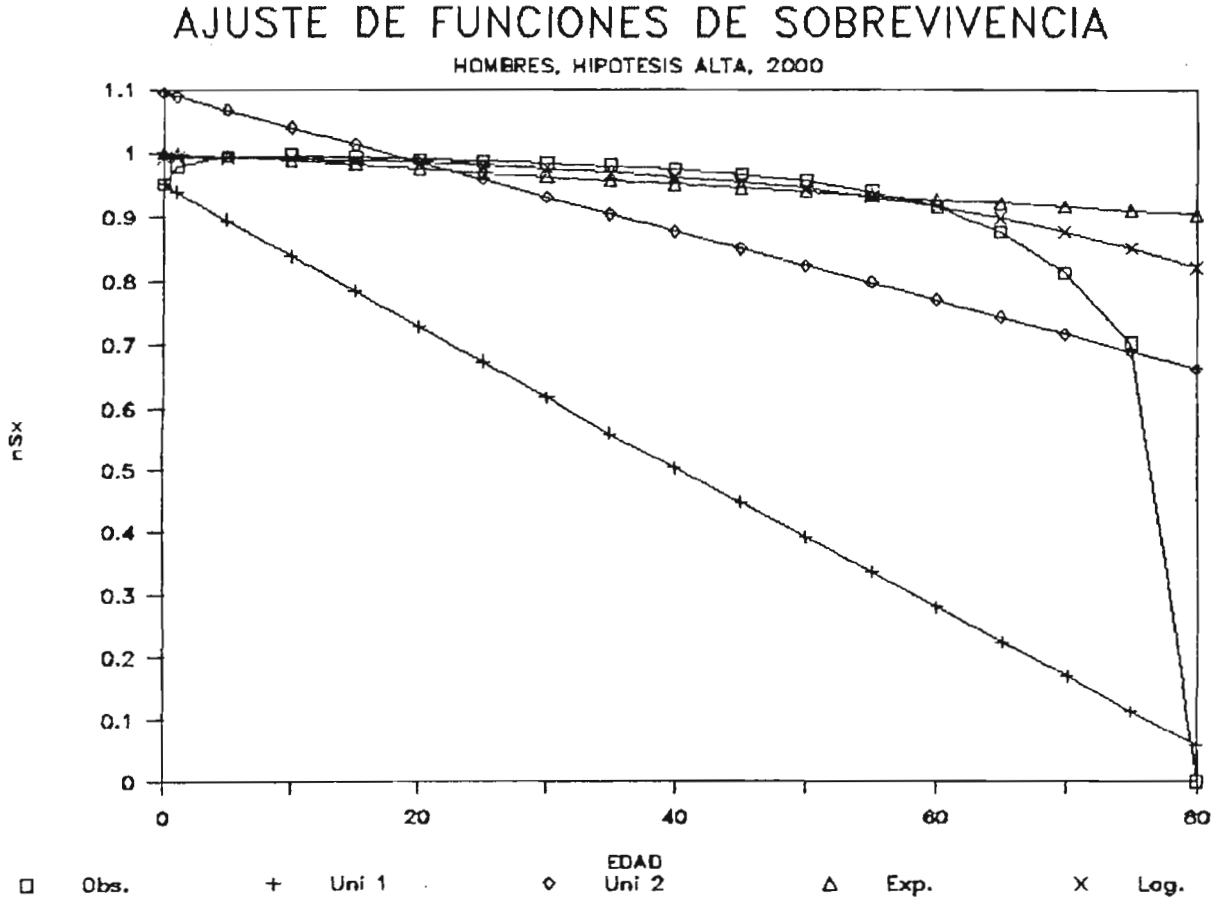
Gráfica 33 y 34



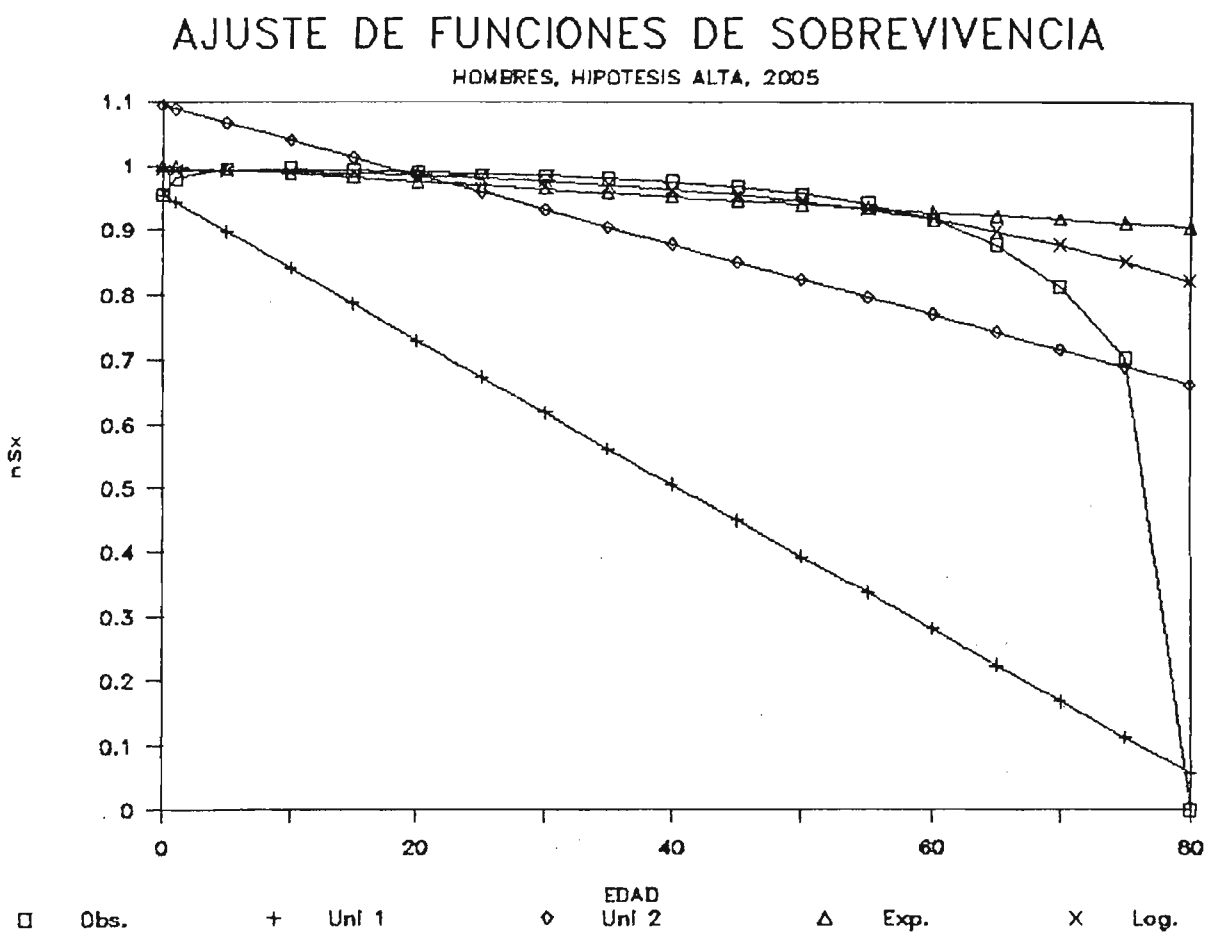


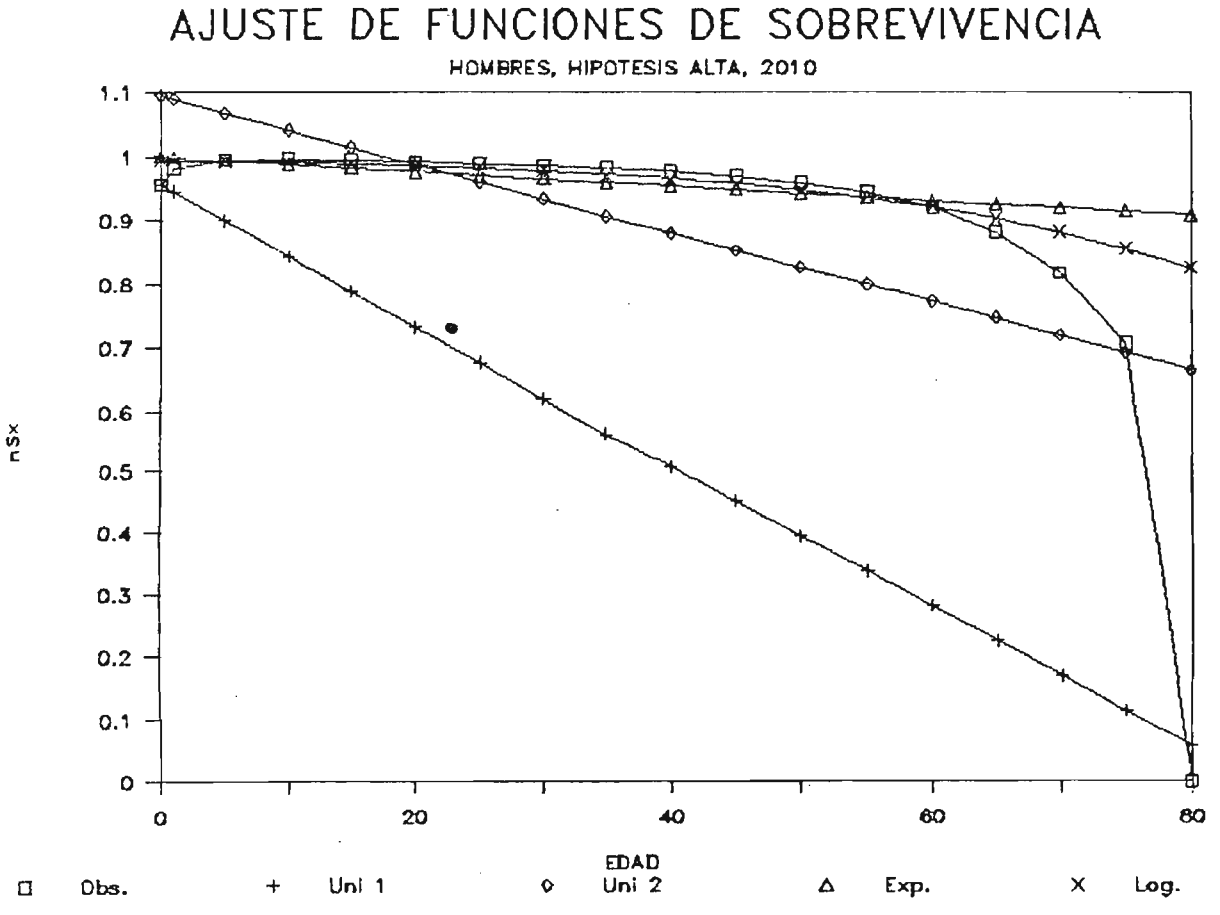
Gráfica 35 y 36



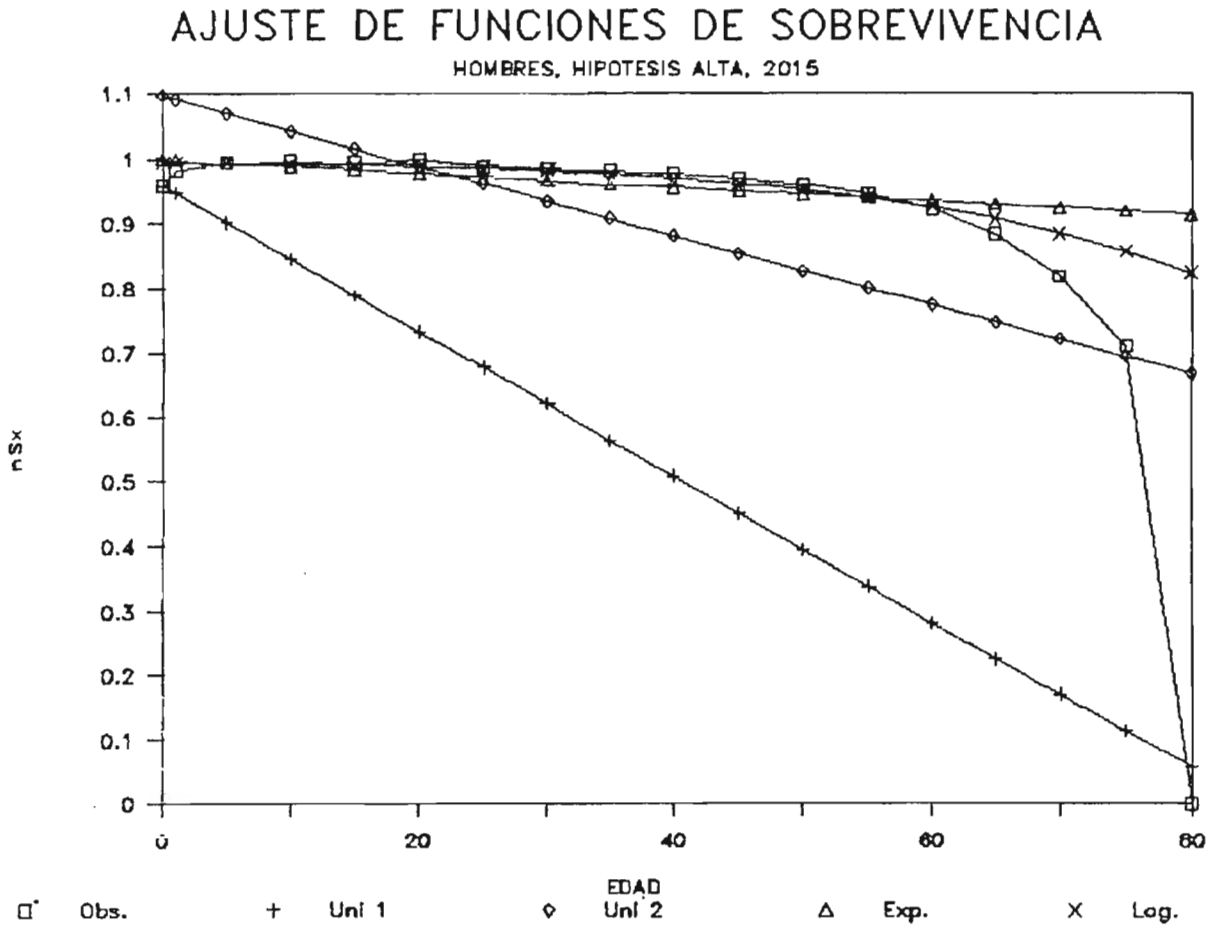


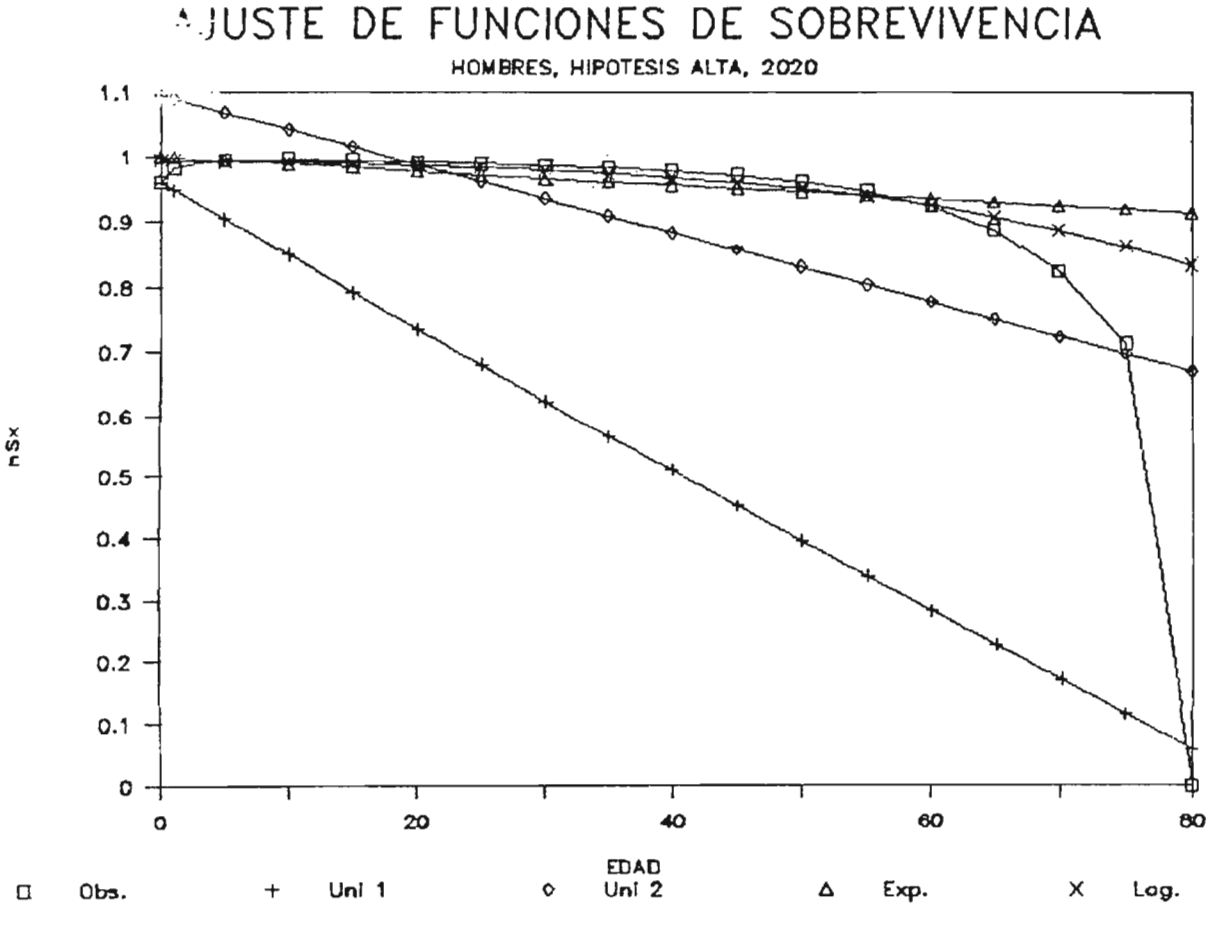
Gráfica 37 y 38



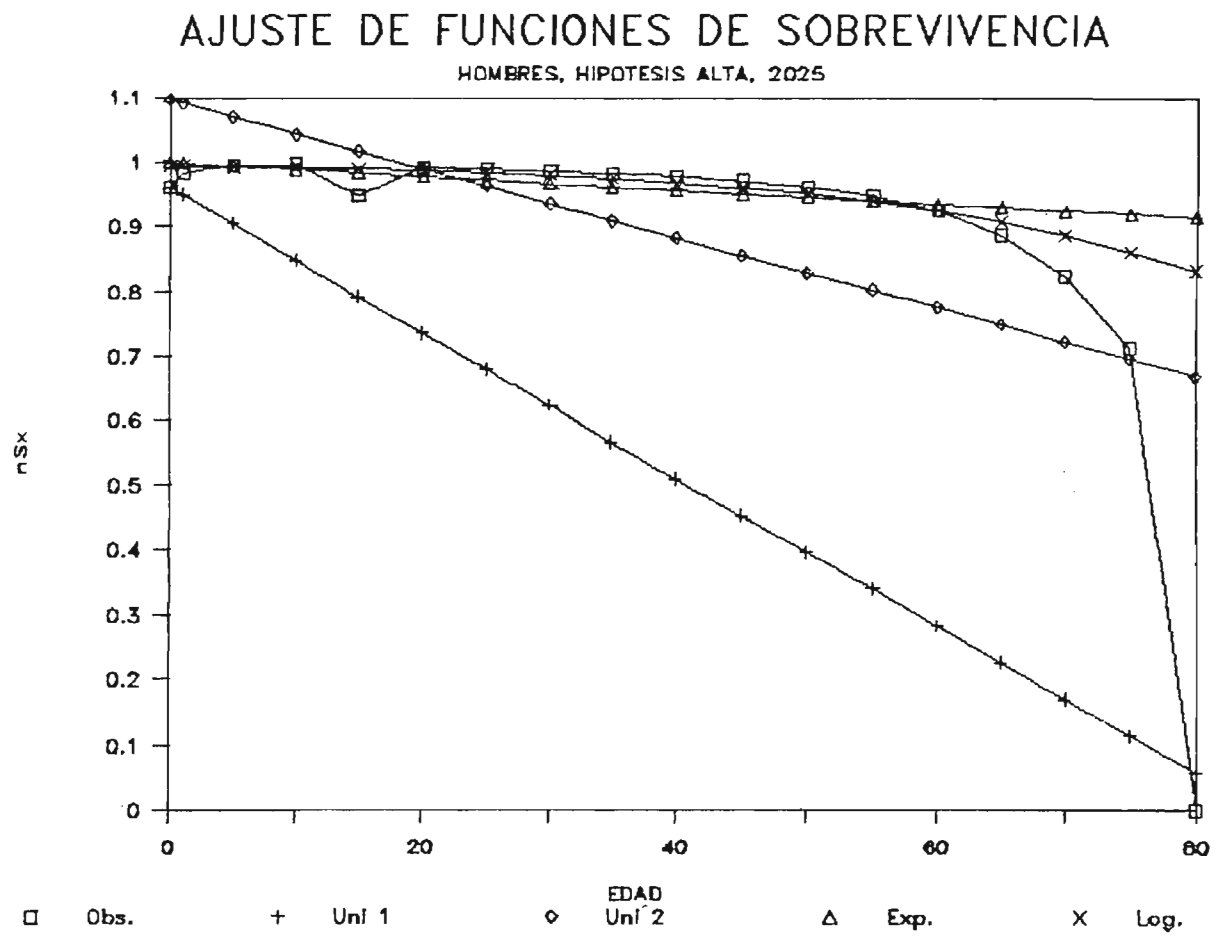


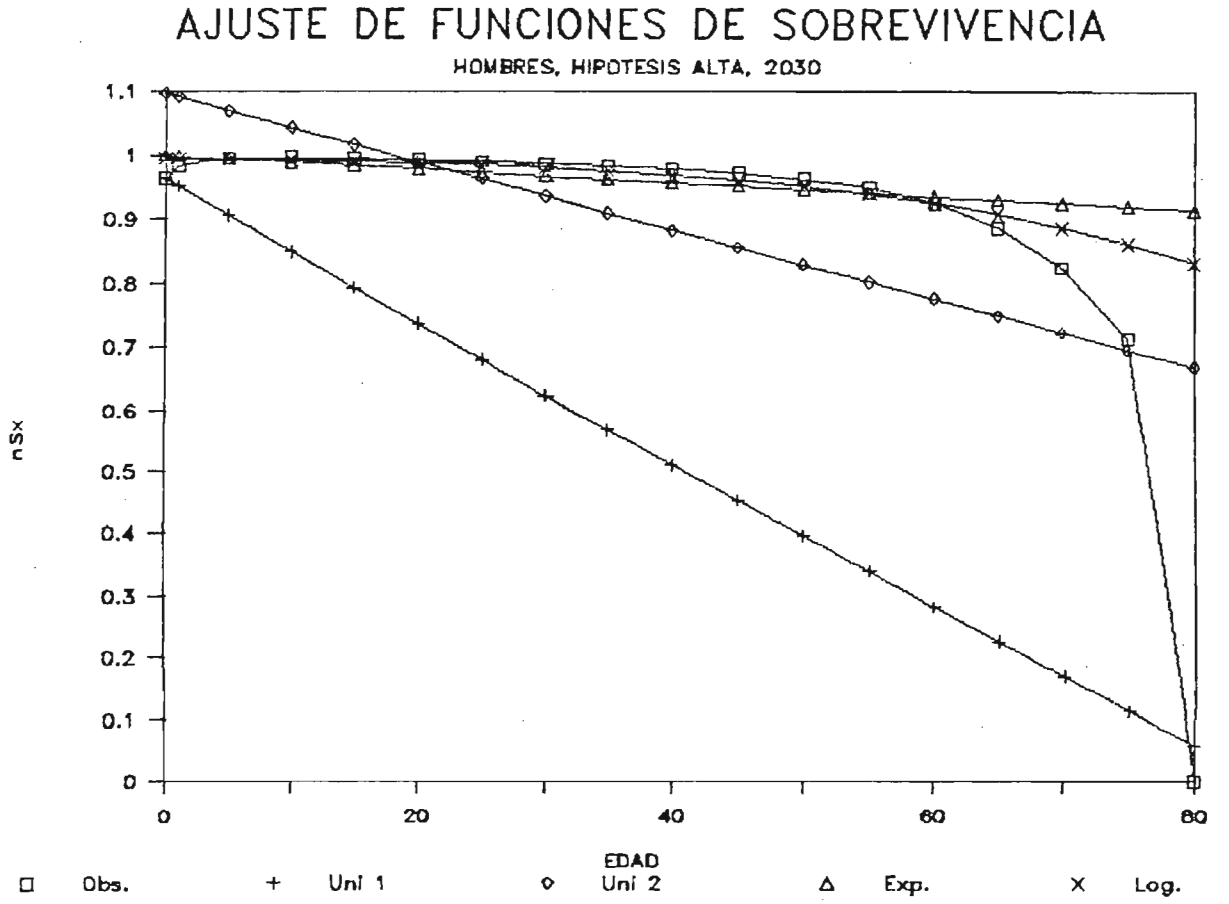
Gráfica 39 y 40



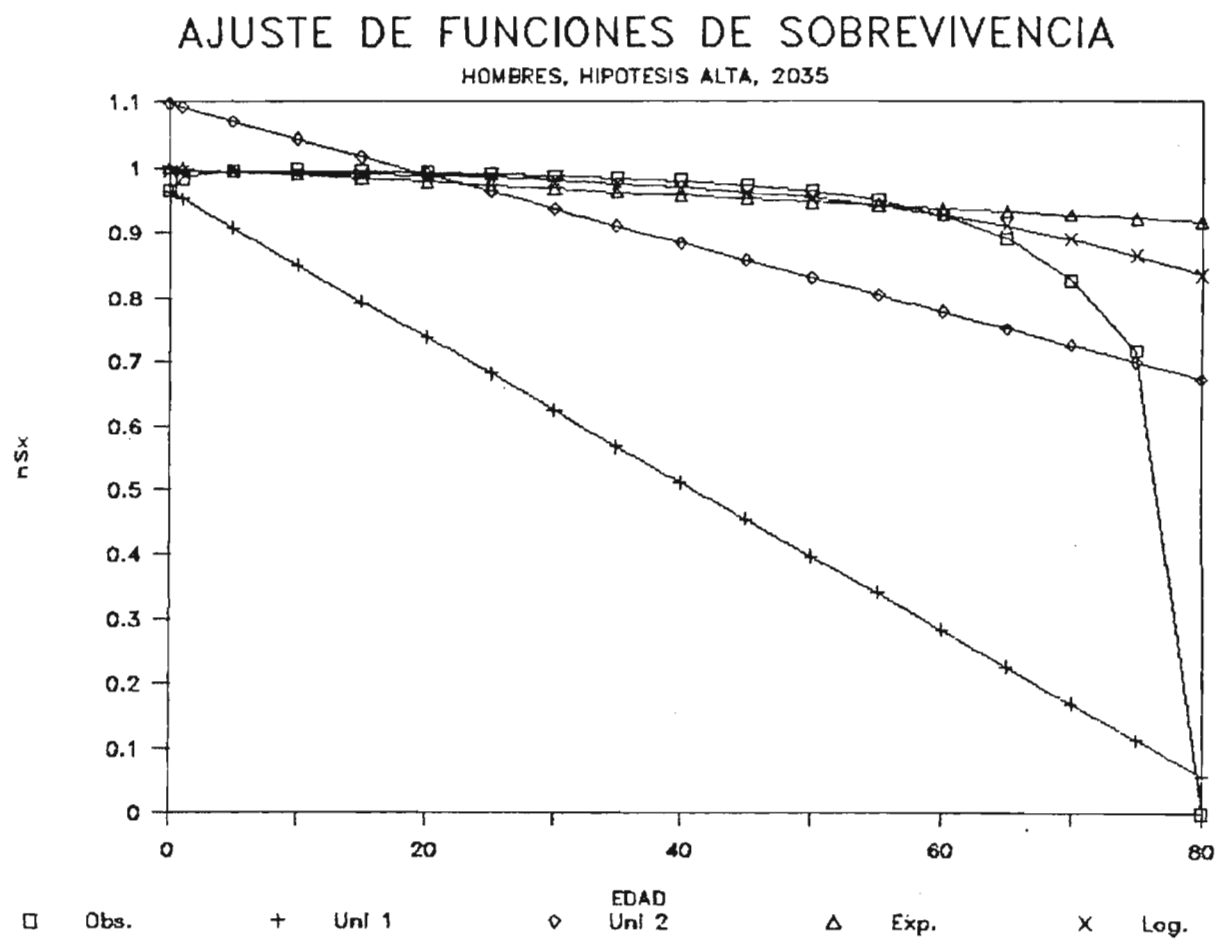


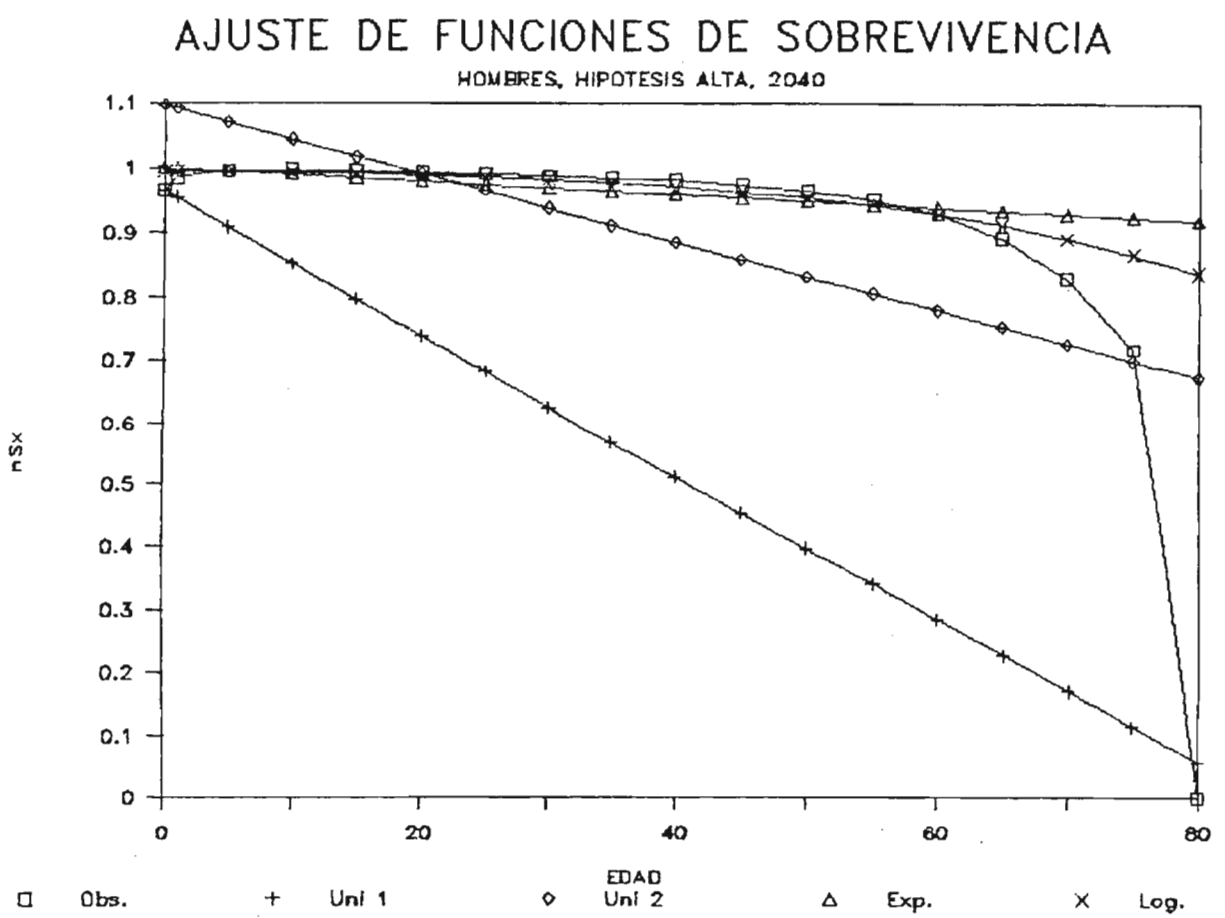
Gráfica 41 y 42





Gráfica 43 y 44





Cuadro 48

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, OBSERVADAS Y ESTIMADAS, 1975 - 2040

Hipótesis Alta

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
						PROBABILIDADES OBSERVADAS								
0	0.89996	0.90923	0.91661	0.92262	0.92760	0.93181	0.93541	0.93852	0.94124	0.94364	0.94577	0.94768	0.94940	0.95096
5	0.99134	0.99207	0.99265	0.99312	0.99352	0.99386	0.99414	0.99439	0.99461	0.99481	0.99498	0.99514	0.99528	0.99540
10	0.99457	0.99502	0.99538	0.99568	0.99592	0.99613	0.99631	0.99647	0.99660	0.99672	0.99683	0.99693	0.99702	0.99710
15	0.99107	0.99180	0.99239	0.99287	0.99327	0.99361	0.99390	0.99415	0.99438	0.99458	0.99475	0.99491	0.99505	0.99518
20	0.98558	0.98673	0.98766	0.98842	0.98905	0.98959	0.99006	0.99047	0.99088	0.99114	0.99142	0.99167	0.99190	0.99211
25	0.98227	0.98364	0.98475	0.98567	0.98643	0.98708	0.98765	0.98814	0.98857	0.98895	0.98929	0.98960	0.98988	0.99013
30	0.97814	0.97978	0.98110	0.98220	0.98312	0.98390	0.98458	0.98517	0.98570	0.98616	0.98657	0.98695	0.98729	0.98759
35	0.97253	0.97450	0.97611	0.97743	0.97856	0.97951	0.98035	0.98107	0.98171	0.98228	0.98279	0.98325	0.98367	0.98405
40	0.96637	0.96866	0.97054	0.97210	0.97342	0.97455	0.97554	0.97640	0.97716	0.97784	0.97845	0.97900	0.97950	0.97995
45	0.95673	0.95950	0.96178	0.96368	0.96530	0.96670	0.96791	0.96898	0.96992	0.97077	0.97153	0.97221	0.97283	0.97340
50	0.94391	0.94722	0.94996	0.95227	0.95424	0.95595	0.95744	0.95875	0.95992	0.96096	0.96190	0.96276	0.96353	0.96424
55	0.92550	0.92946	0.93276	0.93557	0.93798	0.94007	0.94191	0.94353	0.94498	0.94628	0.94746	0.94852	0.94949	0.95039
60	0.89752	0.90223	0.90620	0.90960	0.91254	0.91511	0.91738	0.91940	0.92121	0.92284	0.92431	0.92565	0.92688	0.92801
65	0.85483	0.86022	0.86484	0.86883	0.87232	0.87539	0.87812	0.88056	0.88276	0.88475	0.88656	0.88821	0.88972	0.89112
70	0.76815	0.79383	0.79877	0.80309	0.80690	0.81030	0.81333	0.81606	0.81854	0.82079	0.82284	0.82472	0.82645	0.82805
75	0.68166	0.68656	0.69087	0.69469	0.69809	0.70115	0.70390	0.70638	0.70864	0.71070	0.71259	0.71432	0.71591	0.71738
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
						PROBABILIDADES ESTIMADAS								
						Gompertz								
0	1.01570	1.01200	1.00941	1.00752	1.00608	1.00495	1.00409	1.00338	1.01104	1.00230	1.00188	1.00153	1.00124	1.00097
5	1.01355	1.01028	1.00800	1.00632	1.00505	1.00404	1.00328	1.00264	1.00996	1.00169	1.00131	1.00101	1.00075	1.00051
10	1.01071	1.00798	1.00607	1.00467	1.00361	1.00276	1.00213	1.00160	1.00848	1.00080	1.00049	1.00024	1.00002	0.99982
15	1.00697	1.00491	1.00346	1.00241	1.00161	1.00097	1.00051	1.00011	1.00642	0.99953	0.99930	0.99912	0.99896	0.99882
20	1.00204	1.00079	0.99992	0.99930	0.99883	0.99847	0.99821	0.99800	1.00359	0.99769	0.99757	0.99748	0.99742	0.99735
25	0.99556	0.99528	0.99512	0.99504	0.99499	0.99496	0.99498	0.99500	0.99970	0.99505	0.99508	0.99511	0.99515	0.99518
30	0.98707	0.98794	0.98863	0.98920	0.98967	0.99007	0.99043	0.99074	0.99434	0.99125	0.99147	0.99166	0.99185	0.99201
35	0.97595	0.97816	0.97987	0.98122	0.98232	0.98324	0.98403	0.98470	0.98698	0.98580	0.98625	0.98666	0.98703	0.98736
40	0.96145	0.96519	0.96806	0.97034	0.97219	0.97374	0.97504	0.97616	0.97690	0.97798	0.97874	0.97941	0.98001	0.98056
45	0.94261	0.94804	0.95222	0.95556	0.95828	0.96056	0.96248	0.96413	0.96314	0.96683	0.96794	0.96894	0.96983	0.97064
50	0.91827	0.92549	0.93109	0.93558	0.93927	0.94237	0.94498	0.94724	0.94444	0.95096	0.95250	0.95388	0.95511	0.95624
55	0.88706	0.89605	0.90308	0.90876	0.91345	0.91743	0.92078	0.92370	0.91921	0.92852	0.93054	0.93234	0.93396	0.93544
60	0.84742	0.85798	0.86631	0.87309	0.87873	0.88354	0.88761	0.89118	0.88544	0.89710	0.89959	0.90182	0.90383	0.90567
65	0.79774	0.80940	0.81867	0.82628	0.83264	0.83808	0.84273	0.84682	0.84080	0.85364	0.85652	0.85911	0.86145	0.86360
70	0.73651	0.74846	0.75803	0.76591	0.77253	0.77823	0.78311	0.78742	0.78281	0.79464	0.79770	0.80046	0.80295	0.80525
75	0.66272	0.67379	0.68265	0.68995	0.69609	0.70137	0.70592	0.70993	0.70919	0.71665	0.71949	0.72206	0.72439	0.72652
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Cuadro 48
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, OBSERVADAS Y ESTIMADAS, 1975 - 2040

Hipótesis Alta

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
PROBABILIDADES ESTIMADAS														
Gompertz - Makeham														
0	1.05263	1.04947	1.04687	1.04467	1.04280	1.04116	1.03977	1.03852	1.04645	1.03642	1.03552	1.03472	1.03399	1.03331
5	1.04444	1.04172	1.03948	1.03760	1.03600	1.03460	1.03342	1.03236	1.03984	1.03057	1.02981	1.02913	1.02852	1.02794
10	1.03561	1.03342	1.03162	1.03012	1.02883	1.02770	1.02676	1.02591	1.03285	1.02448	1.02387	1.02332	1.02284	1.02237
15	1.02593	1.02439	1.02312	1.02205	1.02114	1.02033	1.01966	1.01906	1.02533	1.01803	1.01759	1.01719	1.01684	1.01651
20	1.01512	1.01437	1.01374	1.01319	1.01272	1.01229	1.01194	1.01161	1.01707	1.01105	1.01080	1.01058	1.01039	1.01020
25	1.00284	1.00304	1.00316	1.00323	1.00328	1.00329	1.00331	1.00331	1.00779	1.00329	1.00328	1.00326	1.00325	1.00323
30	0.98865	0.98996	0.99097	0.99178	0.99243	0.99296	0.99343	0.99381	0.99712	0.99444	0.99469	0.99491	0.99512	0.99529
35	0.97197	0.97457	0.97662	0.97828	0.97965	0.98079	0.98177	0.98261	0.98454	0.98399	0.98456	0.98507	0.98552	0.98594
40	0.95210	0.95616	0.95939	0.96203	0.96422	0.96607	0.96765	0.96902	0.96936	0.97128	0.97222	0.97306	0.97382	0.97451
45	0.92815	0.93381	0.93835	0.94208	0.94520	0.94785	0.95012	0.95209	0.95068	0.95536	0.95674	0.95797	0.95907	0.96008
50	0.89906	0.90640	0.91233	0.91723	0.92135	0.92488	0.92790	0.93055	0.92732	0.93495	0.93681	0.93848	0.93998	0.94136
55	0.86358	0.87256	0.87987	0.88596	0.89110	0.89554	0.89935	0.90270	0.89780	0.90831	0.91068	0.91282	0.91474	0.91652
60	0.82032	0.83072	0.83927	0.84643	0.85252	0.85780	0.86235	0.86638	0.86027	0.87315	0.87603	0.87863	0.88098	0.88315
65	0.76784	0.77921	0.78863	0.79657	0.80336	0.80928	0.81441	0.81896	0.81261	0.82667	0.82996	0.83294	0.83564	0.83814
70	0.70489	0.71644	0.72607	0.73424	0.74127	0.74743	0.75278	0.75755	0.75258	0.76566	0.76914	0.77229	0.77515	0.77781
75	0.63067	0.64128	0.65017	0.65773	0.66426	0.66998	0.67498	0.67944	0.67822	0.68704	0.69030	0.69325	0.69595	0.69843
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Fuente : Cuadros 24, 34 y 38.

Cuadro 49

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS
OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Alta

Edad	Observadas	Gompertz	% error	Gompertz Makeham	% error
			1 9 7 5		
0	0.89996	1.01570	-0.1157	1.05263	-0.1527
5	0.99134	1.01355	-0.0222	1.04444	-0.0531
10	0.99457	1.01071	-0.0161	1.03561	-0.0410
15	0.99107	1.00697	-0.0159	1.02593	-0.0349
20	0.98558	1.00204	-0.0165	1.01512	-0.0295
25	0.98227	0.99556	-0.0133	1.00284	-0.0206
30	0.97814	0.98707	-0.0089	0.98865	-0.0105
35	0.97253	0.97595	-0.0034	0.97197	0.0006
40	0.96637	0.96145	0.0049	0.95210	0.0143
45	0.95673	0.94261	0.0141	0.92815	0.0286
50	0.94391	0.91827	0.0256	0.89906	0.0449
55	0.92550	0.88706	0.0384	0.86358	0.0619
60	0.89752	0.84742	0.0501	0.82032	0.0772
65	0.85483	0.79774	0.0571	0.76784	0.0870
70	0.78815	0.73651	0.0516	0.70489	0.0833
75	0.68166	0.66272	0.0189	0.63067	0.0510
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			3.19		5.34
			1 9 8 0		
0	0.90923	1.01200	-0.1028	1.04947	-0.1402
5	0.99207	1.01028	-0.0182	1.04172	-0.0496
10	0.99502	1.00798	-0.0130	1.03342	-0.0384
15	0.99180	1.00491	-0.0131	1.02439	-0.0326
20	0.98673	1.00079	-0.0141	1.01437	-0.0276
25	0.98364	0.99528	-0.0116	1.00304	-0.0194
30	0.97978	0.98794	-0.0082	0.98996	-0.0102
35	0.97450	0.97816	-0.0037	0.97457	-0.0001
40	0.96866	0.96519	0.0035	0.95616	0.0125
45	0.95950	0.94804	0.0115	0.93381	0.0257
50	0.94722	0.92549	0.0217	0.90640	0.0408
55	0.92946	0.89605	0.0334	0.87256	0.0569
60	0.90223	0.85798	0.0443	0.83072	0.0715
65	0.86022	0.80940	0.0508	0.77921	0.0810
70	0.79383	0.74846	0.0454	0.71644	0.0774
75	0.68656	0.67379	0.0128	0.64128	0.0453
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			2.74		4.91

Cuadro 49
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS
OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Alta

Edad	Observadas	Gompertz	% error	Gompertz Makeham	% error
			1 9 8 5		
0	0.91661	1.00941	-0.0928	1.04687	-0.1303
5	0.99265	1.00800	-0.0153	1.03948	-0.0468
10	0.99538	1.00607	-0.0107	1.03162	-0.0362
15	0.99239	1.00346	-0.0111	1.02312	-0.0307
20	0.98766	0.99992	-0.0123	1.01374	-0.0261
25	0.98475	0.99512	-0.0104	1.00316	-0.0184
30	0.98110	0.98863	-0.0075	0.99097	-0.0099
35	0.97611	0.97987	-0.0038	0.97662	-0.0005
40	0.97054	0.96806	0.0025	0.95939	0.0111
45	0.96178	0.95222	0.0096	0.93835	0.0234
50	0.94996	0.93109	0.0189	0.91233	0.0376
55	0.93276	0.90308	0.0297	0.87987	0.0529
60	0.90620	0.86631	0.0399	0.83927	0.0669
65	0.86484	0.81867	0.0462	0.78863	0.0762
70	0.79877	0.75803	0.0407	0.72607	0.0727
75	0.69087	0.68265	0.0082	0.65017	0.0407
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			2.41		4.57
			1 9 9 0		
0	0.92262	1.00752	-0.0849	1.04467	-0.1221
5	0.99312	1.00632	-0.0132	1.03760	-0.0445
10	0.99568	1.00467	-0.0090	1.03012	-0.0344
15	0.99287	1.00241	-0.0095	1.02205	-0.0292
20	0.98842	0.99930	-0.0109	1.01319	-0.0248
25	0.98567	0.99504	-0.0094	1.00323	-0.0176
30	0.98220	0.98920	-0.0070	0.99178	-0.0096
35	0.97743	0.98122	-0.0038	0.97828	-0.0008
40	0.97210	0.97034	0.0018	0.96203	0.0101
45	0.96368	0.95556	0.0081	0.94208	0.0216
50	0.95227	0.93558	0.0167	0.91723	0.0350
55	0.93557	0.90876	0.0268	0.88596	0.0496
60	0.90960	0.87309	0.0365	0.84643	0.0632
65	0.86883	0.82628	0.0426	0.79657	0.0723
70	0.80309	0.76591	0.0372	0.73424	0.0688
75	0.69469	0.68995	0.0047	0.65773	0.0370
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			2.16		4.29

Cuadro 49

(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS
OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Alta

Edad	Observadas	Gompertz	% error	Gompertz Makeham	% error
			1995		
0	0.92760	1.00608	-0.0785	1.04280	-0.1152
5	0.99352	1.00505	-0.0115	1.03600	-0.0425
10	0.99592	1.00361	-0.0077	1.02883	-0.0329
15	0.99327	1.00161	-0.0083	1.02114	-0.0279
20	0.98905	0.99883	-0.0098	1.01272	-0.0237
25	0.98643	0.99499	-0.0086	1.00328	-0.0168
30	0.98312	0.98967	-0.0066	0.99243	-0.0093
35	0.97856	0.98232	-0.0038	0.97965	-0.0011
40	0.97342	0.97219	0.0012	0.96422	0.0092
45	0.96530	0.95828	0.0070	0.94520	0.0201
50	0.95424	0.93927	0.0150	0.92135	0.0329
55	0.93798	0.91345	0.0245	0.89110	0.0469
60	0.91254	0.87873	0.0338	0.85252	0.0600
65	0.87232	0.83264	0.0397	0.80336	0.0690
70	0.80690	0.77253	0.0344	0.74127	0.0656
75	0.69809	0.69609	0.0020	0.66426	0.0338
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.95		4.05
			2000		
0	0.93181	1.00495	-0.0731	1.04116	-0.1093
5	0.99386	1.00404	-0.0102	1.03460	-0.0407
10	0.99613	1.00276	-0.0066	1.02770	-0.0316
15	0.99361	1.00097	-0.0074	1.02033	-0.0267
20	0.98959	0.99847	-0.0089	1.01229	-0.0227
25	0.98708	0.99496	-0.0079	1.00329	-0.0162
30	0.98390	0.99007	-0.0062	0.99296	-0.0091
35	0.97951	0.98324	-0.0037	0.98079	-0.0013
40	0.97455	0.97374	0.0008	0.96607	0.0085
45	0.96670	0.96056	0.0061	0.94785	0.0188
50	0.95595	0.94237	0.0136	0.92488	0.0311
55	0.94007	0.91743	0.0226	0.89554	0.0445
60	0.91511	0.88354	0.0316	0.85780	0.0573
65	0.87539	0.83808	0.0373	0.80928	0.0661
70	0.81030	0.77823	0.0321	0.74743	0.0629
75	0.70115	0.70137	-0.0002	0.66998	0.0312
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.79		3.85

Cuadro 49
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS
OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Alta

Edad	Observadas	Gompertz	% error	Gompertz Makeham	% error
			2005		
0	0.93541	1.00409	-0.0687	1.03977	-0.1044
5	0.99414	1.00328	-0.0091	1.03342	-0.0393
10	0.99631	1.00213	-0.0058	1.02676	-0.0305
15	0.99390	1.00051	-0.0066	1.01966	-0.0258
20	0.99006	0.99821	-0.0082	1.01194	-0.0219
25	0.98765	0.99498	-0.0073	1.00331	-0.0157
30	0.98458	0.99043	-0.0058	0.99343	-0.0088
35	0.98035	0.98403	-0.0037	0.98177	-0.0014
40	0.97554	0.97504	0.0005	0.96765	0.0079
45	0.96791	0.96248	0.0054	0.95012	0.0178
50	0.95744	0.94498	0.0125	0.92790	0.0295
55	0.94191	0.92078	0.0211	0.89935	0.0426
60	0.91738	0.88761	0.0298	0.86235	0.0550
65	0.87812	0.84273	0.0354	0.81441	0.0637
70	0.81333	0.78311	0.0302	0.75278	0.0606
75	0.70390	0.70592	-0.0020	0.67498	0.0289
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.68		3.69
			2010		
0	0.93852	1.00338	-0.0649	1.03852	-0.1000
5	0.99439	1.00264	-0.0083	1.03236	-0.0380
10	0.99647	1.00160	-0.0051	1.02591	-0.0294
15	0.99415	1.00011	-0.0060	1.01906	-0.0249
20	0.99047	0.99800	-0.0075	1.01161	-0.0211
25	0.98814	0.99500	-0.0069	1.00331	-0.0152
30	0.98517	0.99074	-0.0056	0.99381	-0.0086
35	0.98107	0.98470	-0.0036	0.98261	-0.0015
40	0.97640	0.97616	0.0002	0.96902	0.0074
45	0.96898	0.96413	0.0049	0.95209	0.0169
50	0.95875	0.94724	0.0115	0.93055	0.0282
55	0.94353	0.92370	0.0198	0.90270	0.0408
60	0.91940	0.89118	0.0282	0.86638	0.0530
65	0.88056	0.84682	0.0337	0.81896	0.0616
70	0.81606	0.78742	0.0286	0.75755	0.0585
75	0.70638	0.70993	-0.0035	0.67944	0.0269
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.59		3.54

Cuadro 49
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS
OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Alta

Edad	Observadas	Gompertz	% error	Gompertz Makeham	% error
			2015		
0	0.94124	1.01104	-0.0698	1.04645	-0.1052
5	0.99461	1.00996	-0.0154	1.03984	-0.0452
10	0.99660	1.00848	-0.0119	1.03285	-0.0363
15	0.99438	1.00642	-0.0120	1.02533	-0.0309
20	0.99908	1.00359	-0.0045	1.01707	-0.0180
25	0.98857	0.99970	-0.0111	1.00779	-0.0192
30	0.98570	0.99434	-0.0086	0.99712	-0.0114
35	0.98171	0.98698	-0.0053	0.98454	-0.0028
40	0.97716	0.97690	0.0003	0.96936	0.0078
45	0.96992	0.96314	0.0068	0.95068	0.0192
50	0.95992	0.94444	0.0155	0.92732	0.0326
55	0.94498	0.91921	0.0258	0.89780	0.0472
60	0.92121	0.88544	0.0358	0.86027	0.0609
65	0.88276	0.84080	0.0420	0.81261	0.0702
70	0.81854	0.78281	0.0357	0.75258	0.0660
75	0.70864	0.70919	-0.0006	0.67822	0.0304
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			2.00		4.01
			2020		
0	0.94364	1.00230	-0.0587	1.03642	-0.0928
5	0.99481	1.00169	-0.0069	1.03057	-0.0358
10	0.99672	1.00080	-0.0041	1.02448	-0.0278
15	0.99458	0.99953	-0.0049	1.01803	-0.0234
20	0.99114	0.99769	-0.0066	1.01105	-0.0199
25	0.98895	0.99505	-0.0061	1.00329	-0.0143
30	0.98616	0.99125	-0.0051	0.99444	-0.0083
35	0.98228	0.98580	-0.0035	0.98399	-0.0017
40	0.97784	0.97798	-0.0001	0.97128	0.0066
45	0.97077	0.96683	0.0039	0.95536	0.0154
50	0.96096	0.95096	0.0100	0.93495	0.0260
55	0.94628	0.92852	0.0178	0.90831	0.0380
60	0.92284	0.89710	0.0257	0.87315	0.0497
65	0.88475	0.85364	0.0311	0.82667	0.0581
70	0.82079	0.79464	0.0261	0.76566	0.0551
75	0.71070	0.71665	-0.0060	0.68704	0.0237
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.44		3.29

Cuadro 49
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS
OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Alta

Edad	Observadas	Gompertz	% error	Gompertz Makeham	% error
			2025		
0	0.94577	1.00188	-0.0561	1.03552	-0.0898
5	0.99498	1.00131	-0.0063	1.02981	-0.0348
10	0.99683	1.00049	-0.0037	1.02387	-0.0270
15	0.99475	0.99930	-0.0046	1.01759	-0.0228
20	0.99142	0.99757	-0.0062	1.01080	-0.0194
25	0.98929	0.99508	-0.0058	1.00328	-0.0140
30	0.98657	0.99147	-0.0049	0.99469	-0.0081
35	0.98279	0.98625	-0.0035	0.98456	-0.0018
40	0.97845	0.97874	-0.0003	0.97222	0.0062
45	0.97153	0.96794	0.0036	0.95674	0.0148
50	0.96190	0.95250	0.0094	0.93681	0.0251
55	0.94746	0.93054	0.0169	0.91068	0.0368
60	0.92431	0.89959	0.0247	0.87603	0.0483
65	0.88656	0.85652	0.0300	0.82996	0.0566
70	0.82284	0.79770	0.0251	0.76914	0.0537
75	0.71259	0.71949	-0.0069	0.69030	0.0223
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.38		3.19
			2030		
0	0.94768	1.00153	-0.0539	1.03472	-0.0870
5	0.99514	1.00101	-0.0059	1.02913	-0.0340
10	0.99693	1.00024	-0.0033	1.02332	-0.0264
15	0.99491	0.99912	-0.0042	1.01719	-0.0223
20	0.99167	0.99748	-0.0058	1.01058	-0.0189
25	0.98960	0.99511	-0.0055	1.00326	-0.0137
30	0.98695	0.99166	-0.0047	0.99491	-0.0080
35	0.98325	0.98666	-0.0034	0.98507	-0.0018
40	0.97900	0.97941	-0.0004	0.97306	0.0059
45	0.97221	0.96894	0.0033	0.95797	0.0142
50	0.96276	0.95388	0.0089	0.93848	0.0243
55	0.94852	0.93234	0.0162	0.91282	0.0357
60	0.92565	0.90182	0.0238	0.87863	0.0470
65	0.88821	0.85911	0.0291	0.83294	0.0553
70	0.82472	0.80046	0.0243	0.77229	0.0524
75	0.71432	0.72206	-0.0077	0.69325	0.0211
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.33		3.10

Cuadro 49
(Continuación)

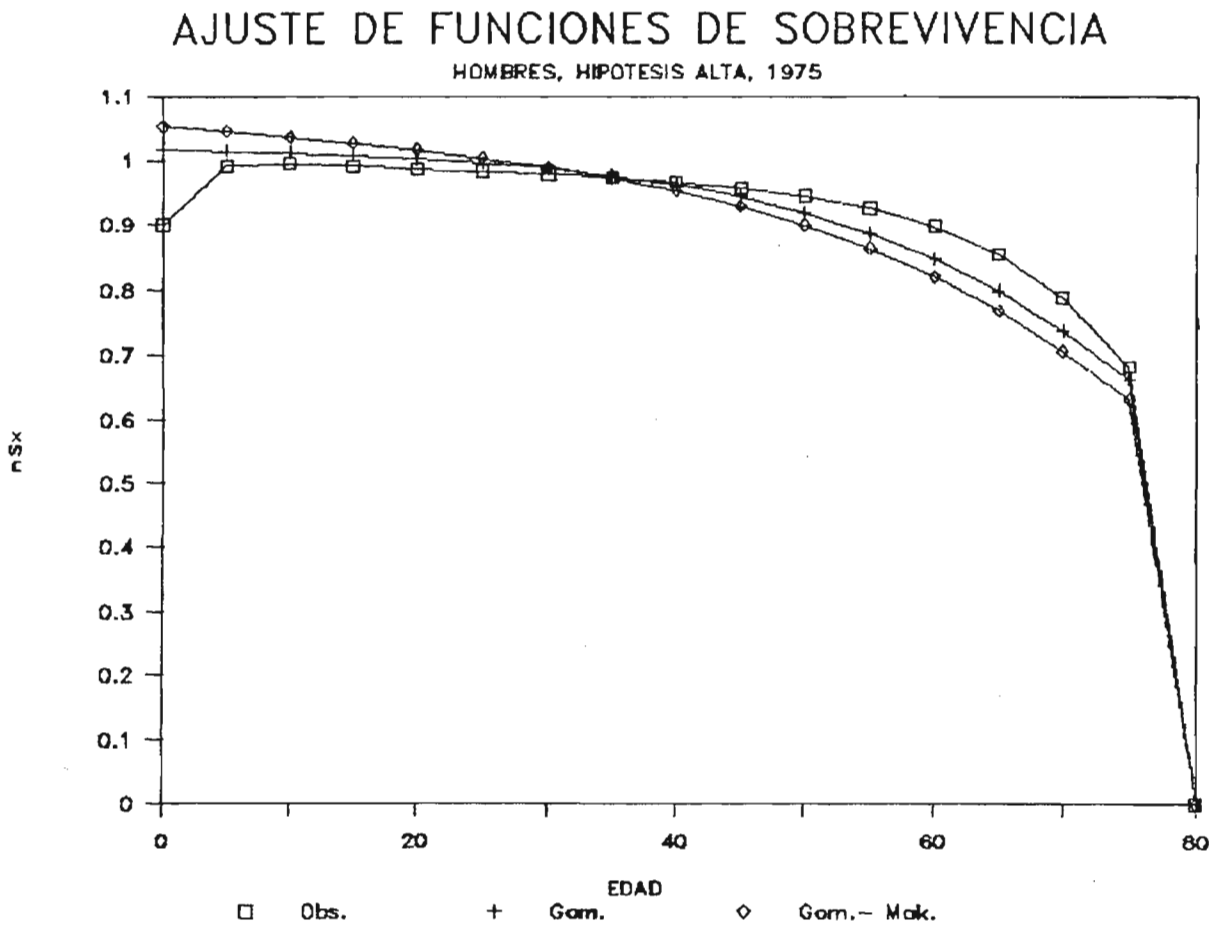
COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS
OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

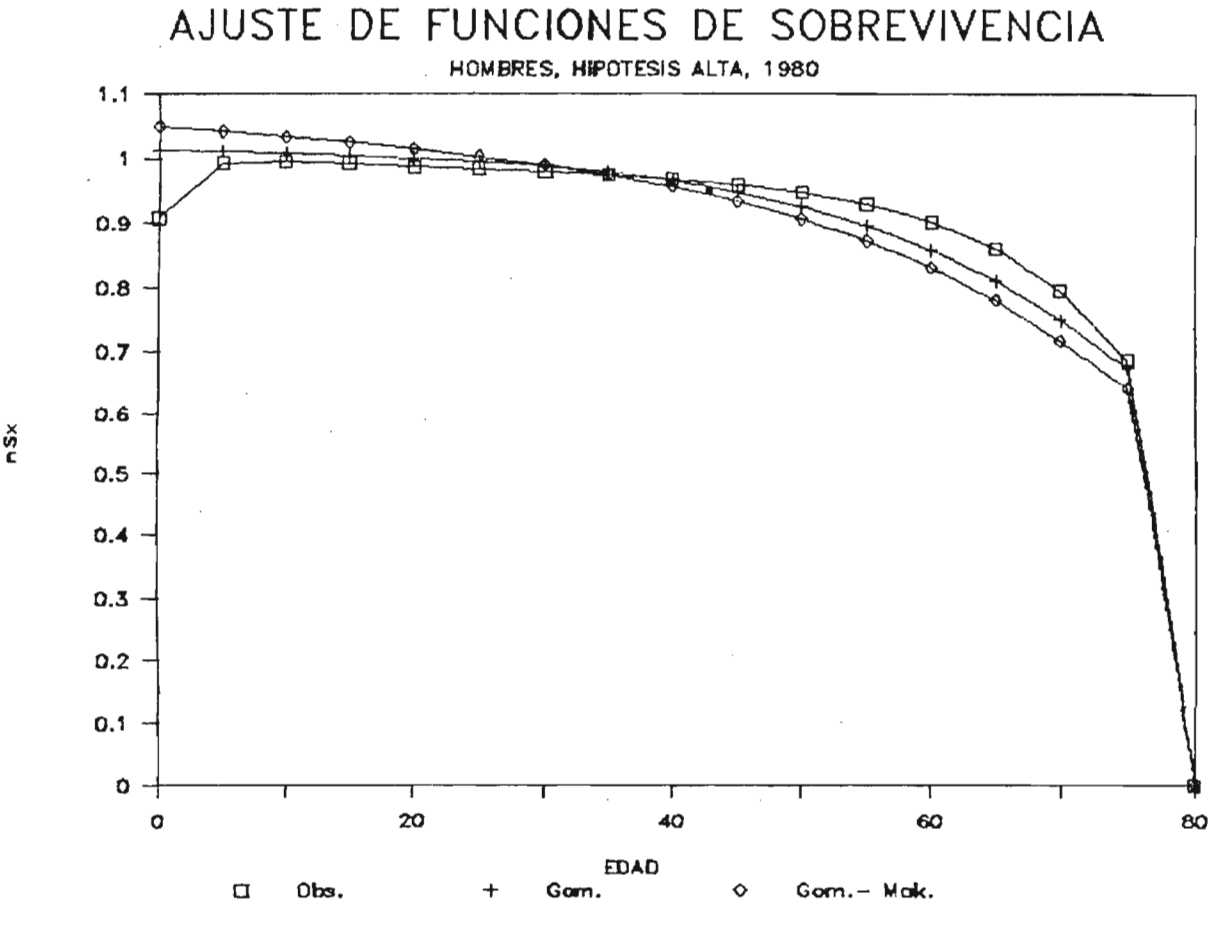
Hipótesis Alta

Edad	Observadas	Gompertz	% error	Gompertz Makeham	% error
			2035		
0	0.94940	1.00124	-0.0518	1.03399	-0.0846
5	0.99528	1.00075	-0.0055	1.02852	-0.0332
10	0.99702	1.00002	-0.0030	1.02284	-0.0258
15	0.99505	0.99896	-0.0039	1.01684	-0.0218
20	0.99190	0.99742	-0.0055	1.01039	-0.0185
25	0.98988	0.99515	-0.0053	1.00325	-0.0134
30	0.98729	0.99185	-0.0046	0.99512	-0.0078
35	0.98367	0.98703	-0.0034	0.98552	-0.0019
40	0.97950	0.98001	-0.0005	0.97382	0.0057
45	0.97283	0.96983	0.0030	0.95907	0.0138
50	0.96353	0.95511	0.0084	0.93998	0.0236
55	0.94949	0.93396	0.0155	0.91474	0.0347
60	0.92688	0.90383	0.0231	0.88098	0.0459
65	0.88972	0.86145	0.0283	0.83564	0.0541
70	0.82645	0.80295	0.0235	0.77515	0.0513
75	0.71591	0.72439	-0.0085	0.69595	0.0200
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.28		3.02
			2040		
0	0.95096	1.00097	-0.0500	1.03331	-0.0824
5	0.99540	1.00051	-0.0051	1.02794	-0.0325
10	0.99710	0.99982	-0.0027	1.02237	-0.0253
15	0.99518	0.99882	-0.0036	1.01651	-0.0213
20	0.99211	0.99735	-0.0052	1.01020	-0.0181
25	0.99013	0.99518	-0.0051	1.00323	-0.0131
30	0.98759	0.99201	-0.0044	0.99529	-0.0077
35	0.98405	0.98736	-0.0033	0.98594	-0.0019
40	0.97995	0.98056	-0.0006	0.97451	0.0054
45	0.97340	0.97064	0.0028	0.96008	0.0133
50	0.96424	0.95624	0.0080	0.94136	0.0229
55	0.95039	0.93544	0.0149	0.91652	0.0339
60	0.92801	0.90567	0.0223	0.88315	0.0449
65	0.89112	0.86360	0.0275	0.83814	0.0530
70	0.82805	0.80525	0.0228	0.77781	0.0502
75	0.71738	0.72652	-0.0091	0.69843	0.0189
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.24		2.94

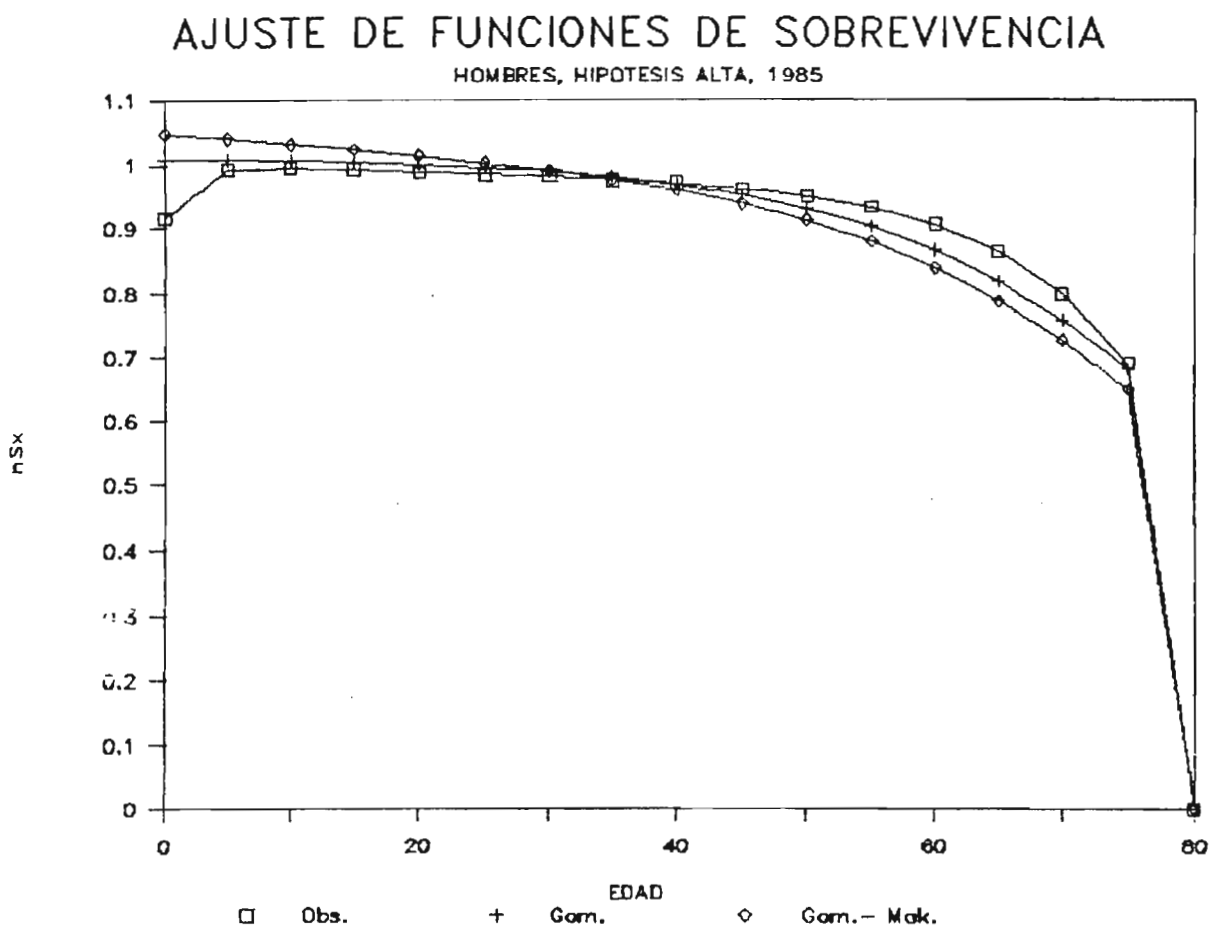
Fuente: Cuadro 48.

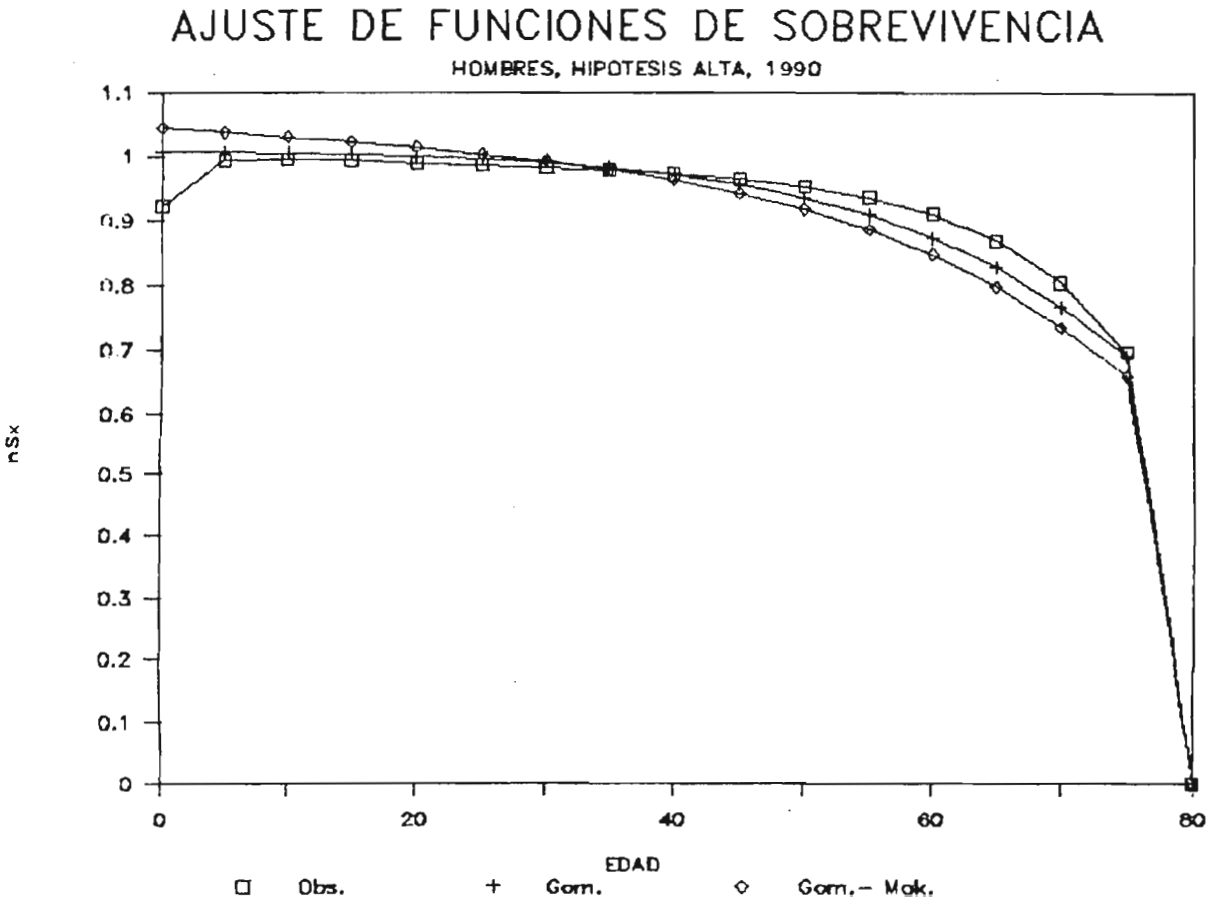
Gráfica 45 y 46



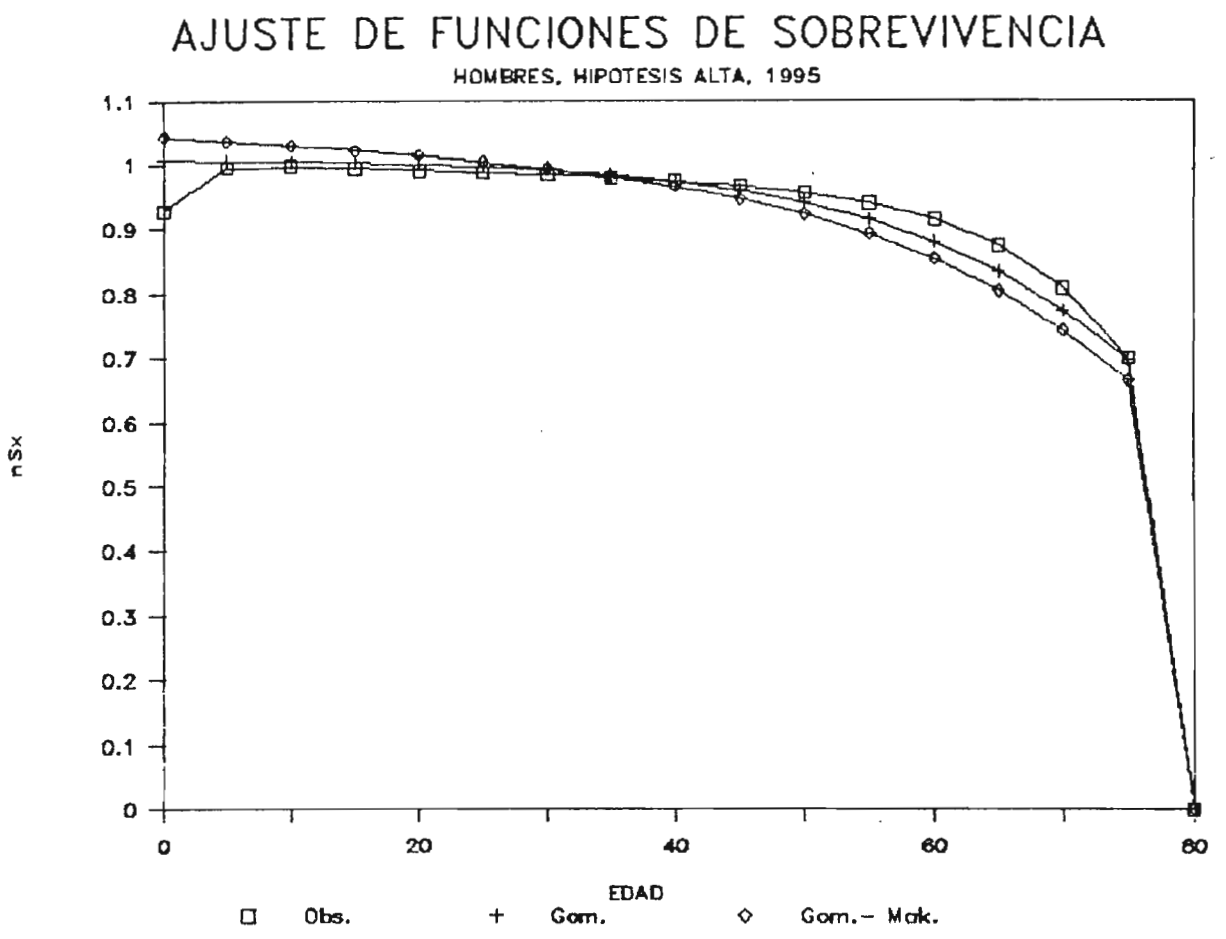


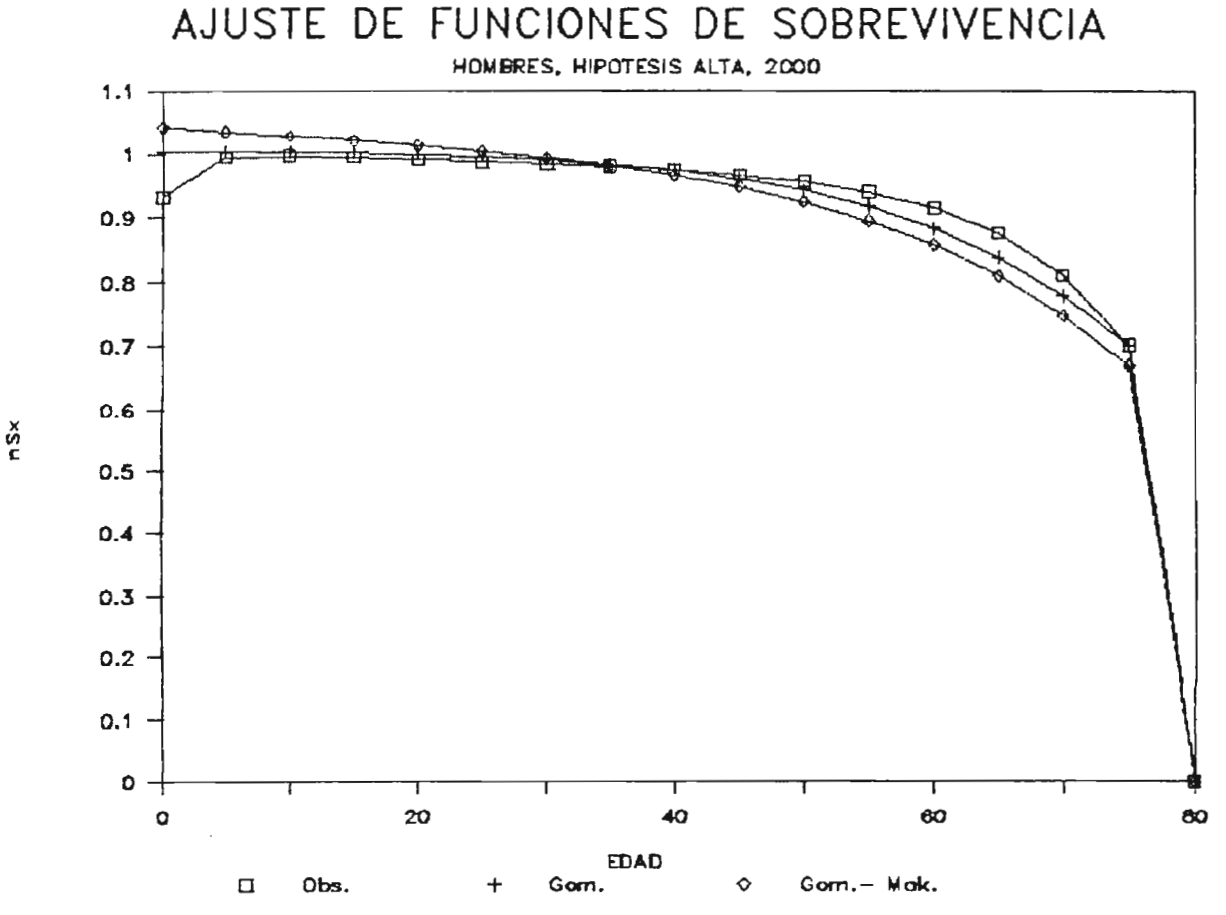
Gráfica 47 y 48



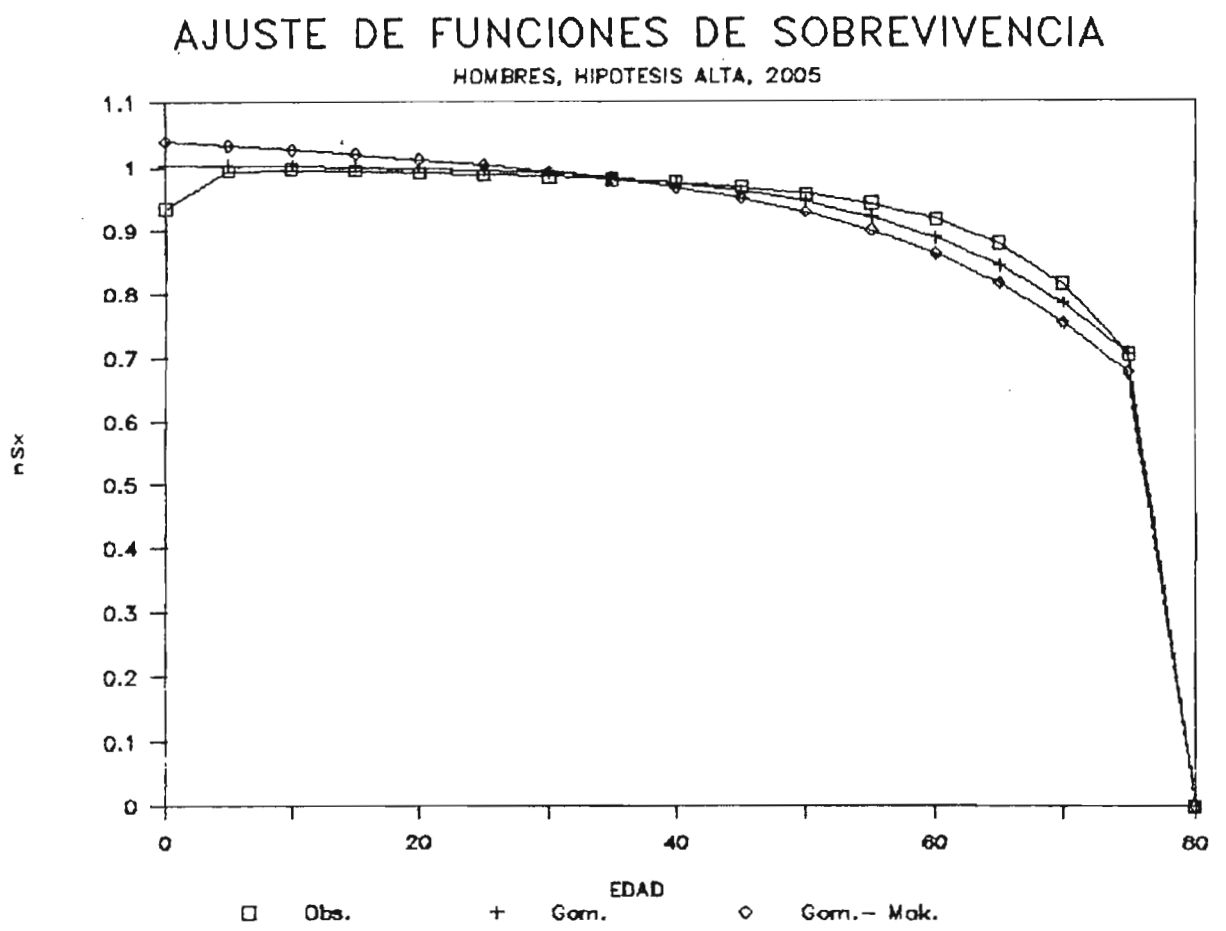


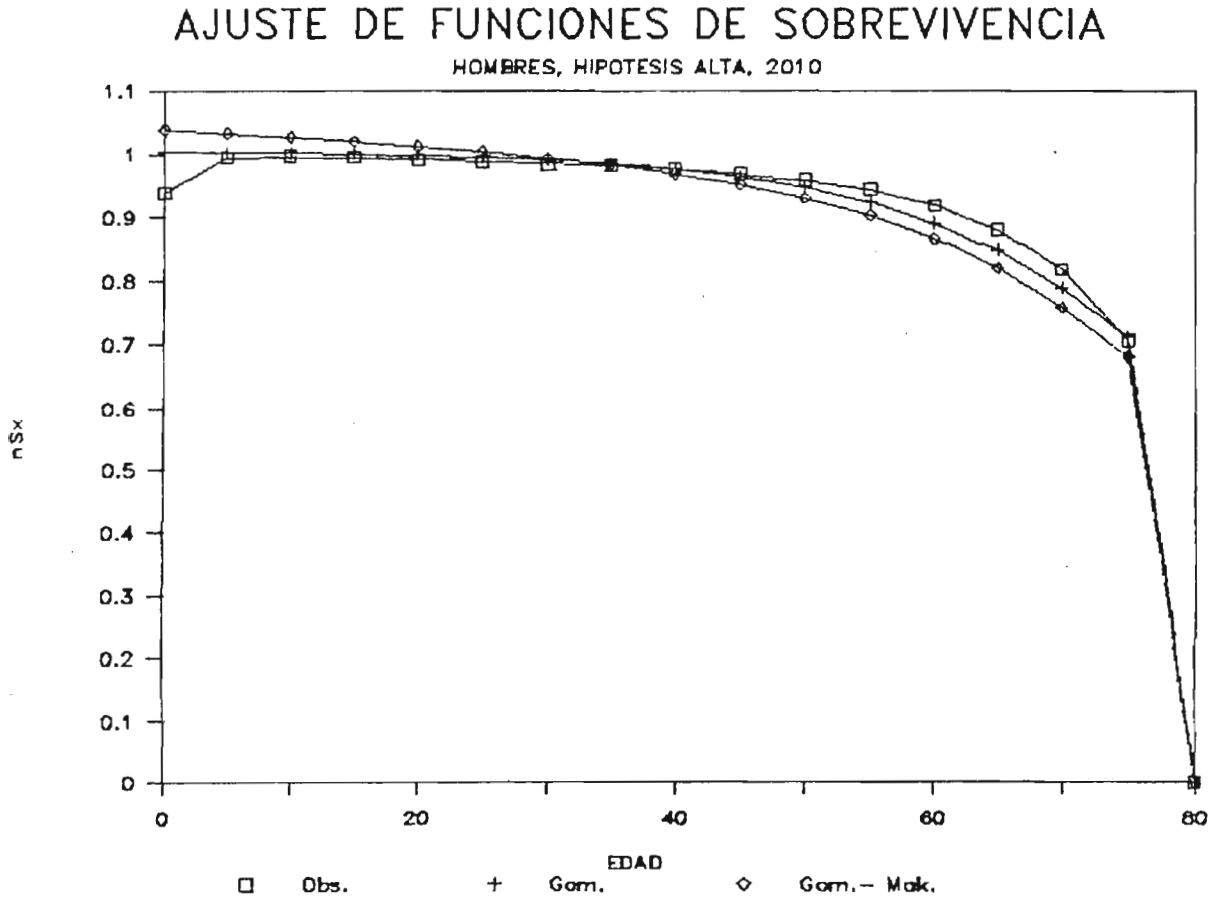
Gráfica 49 y 50



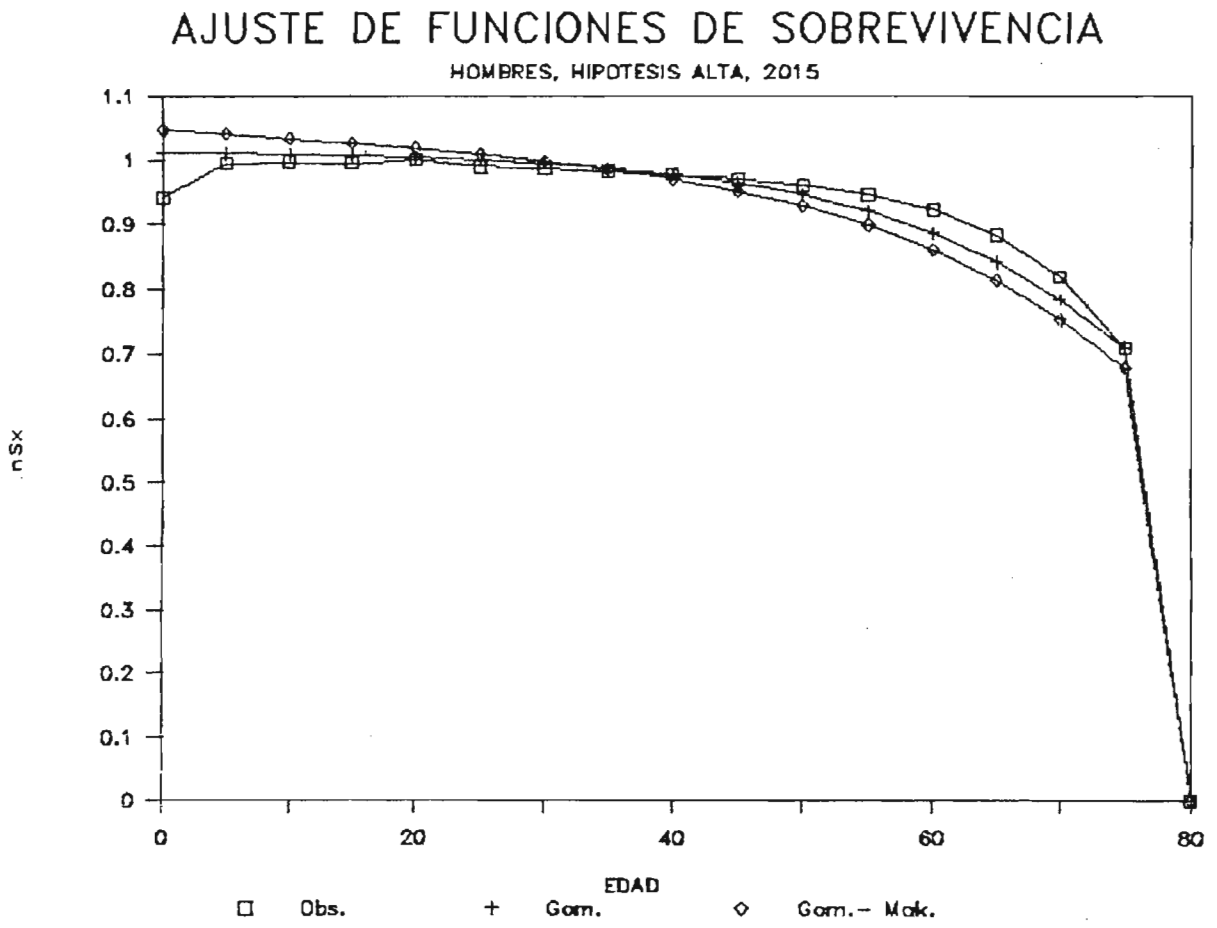


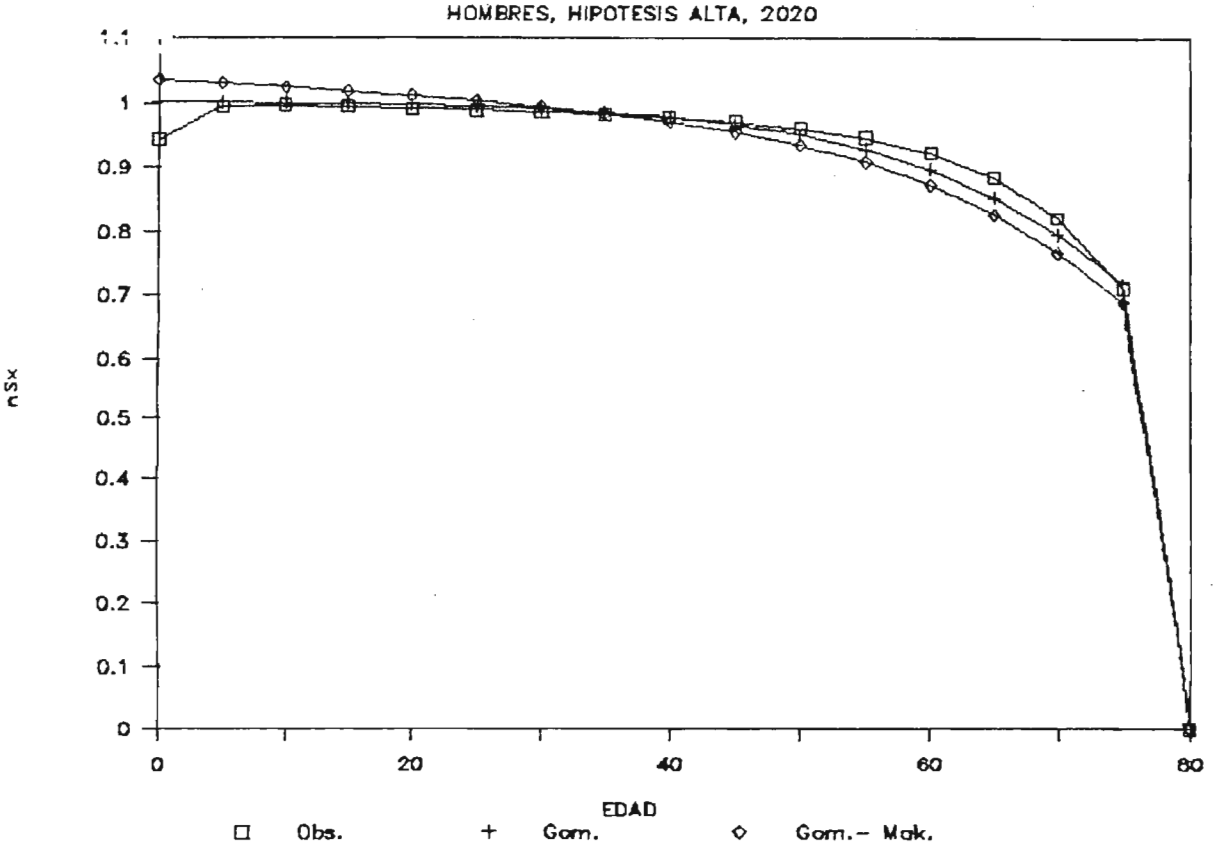
Gráfica 51 y 52



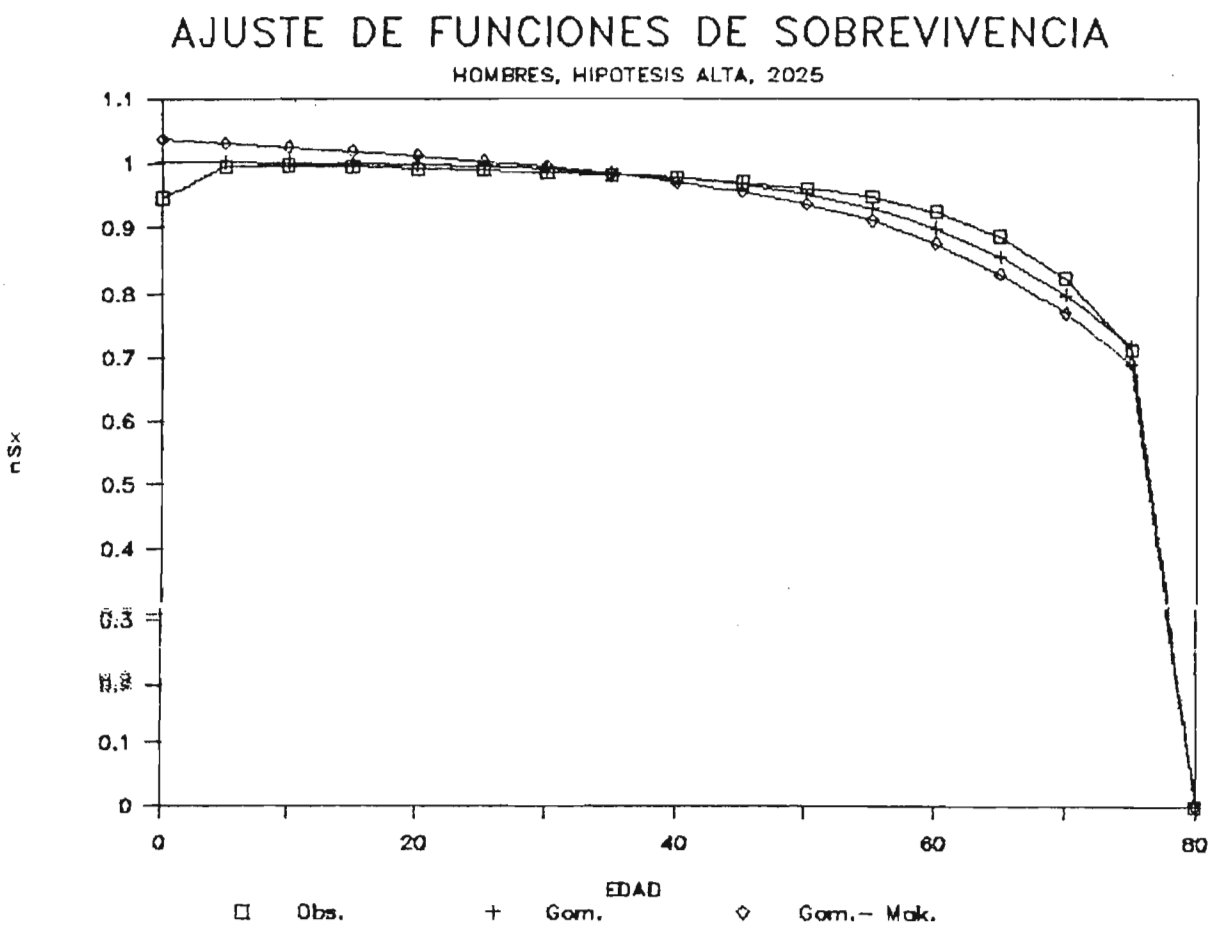


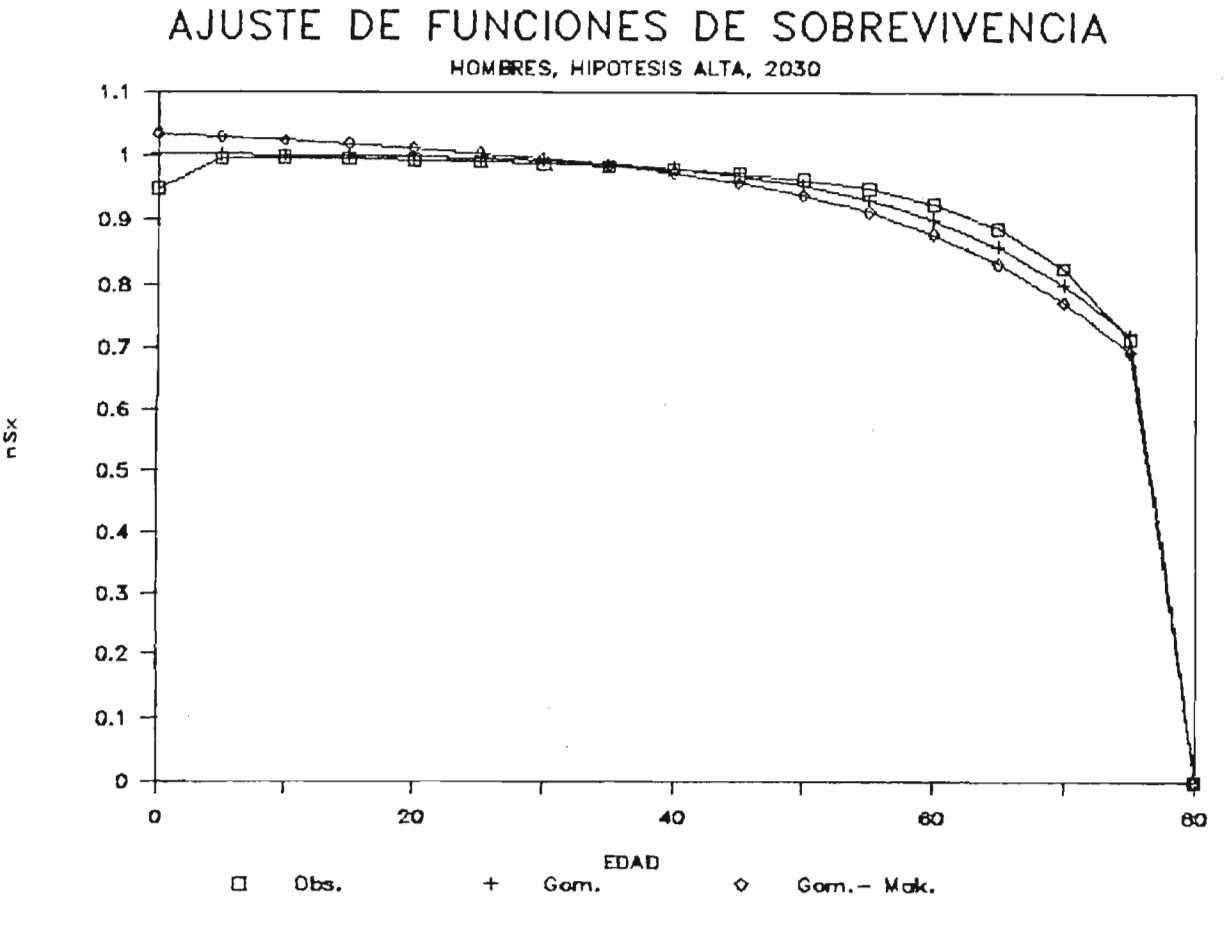
Gráfica 53 y 54



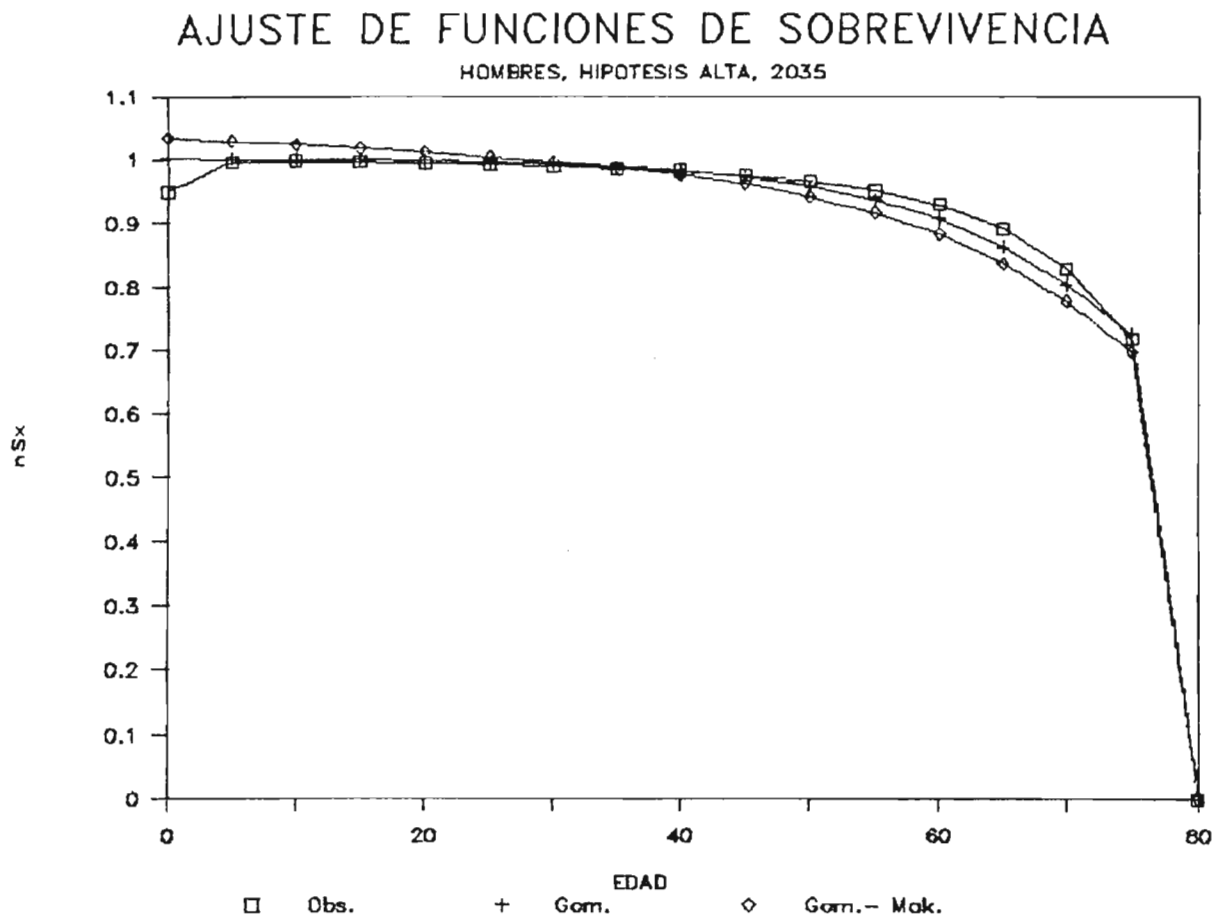


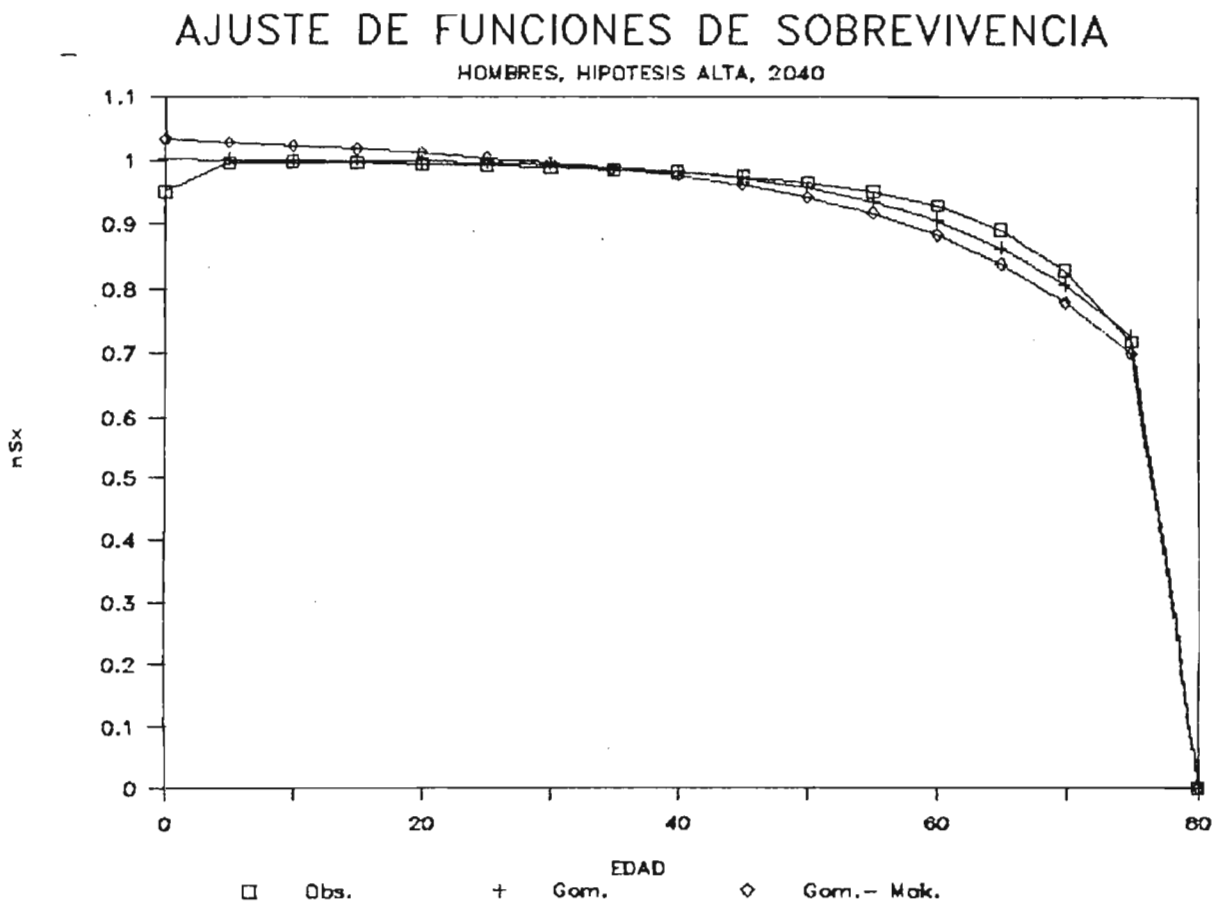
Gráfica 55 y 56





Gráfica 57 y 58





Cuadro 50

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, OBSERVADAS Y ESTIMADAS, 1980 - 2040

Hipótesis Baja

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
PROBABILIDADES OBSERVADAS														
0	0.92917	0.93727	0.94373	0.94899	0.95336	0.95703	0.96016	0.96286	0.96521	0.96727	0.96909	0.97072	0.97218	0.97349
1	0.97142	0.97434	0.97671	0.97867	0.98031	0.98170	0.98290	0.98394	0.98486	0.98567	0.98638	0.98703	0.98761	0.98814
5	0.99157	0.99241	0.99310	0.99366	0.99414	0.99455	0.99490	0.99520	0.99547	0.99570	0.99536	0.99610	0.99627	0.99643
10	0.99471	0.99524	0.99566	0.99602	0.99631	0.99656	0.99678	0.99697	0.99714	0.99729	0.99746	0.99754	0.99765	0.99774
15	0.99131	0.99215	0.99285	0.99342	0.99391	0.99432	0.99468	0.99499	0.99526	0.99550	0.99572	0.99592	0.99609	0.99625
20	0.98595	0.98729	0.98839	0.98931	0.99008	0.99074	0.99131	0.99181	0.99225	0.99265	0.99299	0.99331	0.99359	0.99385
25	0.98272	0.98433	0.98565	0.98676	0.98769	0.98849	0.98919	0.98980	0.99034	0.99081	0.99124	0.99163	0.99197	0.99229
30	0.97868	0.98061	0.98219	0.98353	0.98466	0.98563	0.98648	0.98722	0.98788	0.98846	0.98899	0.98946	0.98989	0.99028
35	0.97319	0.97552	0.97746	0.97909	0.98048	0.98168	0.98272	0.98364	0.98446	0.98519	0.98584	0.98643	0.98697	0.98746
40	0.96715	0.96988	0.97216	0.97409	0.97574	0.97718	0.97844	0.97954	0.98053	0.98141	0.98220	0.98292	0.98357	0.98417
45	0.95769	0.96101	0.96380	0.96618	0.96824	0.97003	0.97160	0.97300	0.97424	0.97536	0.97637	0.97728	0.97812	0.97888
50	0.94508	0.94909	0.95249	0.95541	0.95795	0.96018	0.96215	0.96390	0.96548	0.96689	0.96818	0.96934	0.97041	0.97139
55	0.92695	0.93178	0.93594	0.93955	0.94272	0.94551	0.94800	0.95023	0.95224	0.95406	0.95572	0.95724	0.95863	0.95991
60	0.89932	0.90514	0.91023	0.91471	0.91868	0.92222	0.92541	0.92828	0.93086	0.93327	0.93545	0.93746	0.93931	0.94102
65	0.85700	0.86383	0.86989	0.87532	0.88021	0.88462	0.88864	0.89230	0.89566	0.89875	0.90161	0.90425	0.90671	0.90900
70	0.79066	0.79808	0.80483	0.81099	0.81665	0.82185	0.82665	0.83109	0.83522	0.83906	0.84265	0.84601	0.84916	0.85212
75	0.68424	0.69101	0.69736	0.70331	0.70889	0.71414	0.71909	0.72374	0.72814	0.73230	0.73625	0.73999	0.74355	0.74693
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
PROBABILIDADES ESTIMADAS														
Uniforme 1														
0	0.92917	0.93727	0.94373	0.94899	0.95336	0.95703	0.96016	0.96286	0.96521	0.96727	0.96909	0.97072	0.97218	0.97349
1	0.91824	0.92624	0.93263	0.93783	0.94214	0.94577	0.94886	0.95153	0.95385	0.95589	0.95769	0.95930	0.96074	0.96204
5	0.87451	0.88214	0.88822	0.89317	0.89728	0.90073	0.90368	0.90622	0.90843	0.91037	0.91208	0.91362	0.91499	0.91623
10	0.81986	0.82700	0.83270	0.83734	0.84120	0.84444	0.84720	0.84958	0.85166	0.85347	0.85508	0.85652	0.85781	0.85896
15	0.76520	0.77187	0.77719	0.78152	0.78512	0.78814	0.79072	0.79294	0.79488	0.79658	0.79807	0.79942	0.80062	0.80170
20	0.71054	0.71674	0.72168	0.72570	0.72904	0.73185	0.73424	0.73630	0.73810	0.73968	0.74107	0.74232	0.74343	0.74443
25	0.65588	0.66160	0.66616	0.66988	0.67296	0.67555	0.67776	0.67967	0.68132	0.68278	0.68406	0.68521	0.68624	0.68717
30	0.60123	0.60647	0.61065	0.61405	0.61688	0.61925	0.62128	0.62303	0.62455	0.62588	0.62706	0.62811	0.62906	0.62991
35	0.54657	0.55134	0.55514	0.55823	0.56080	0.56296	0.56480	0.56639	0.56777	0.56898	0.57005	0.57101	0.57187	0.57264
40	0.49191	0.49620	0.49962	0.50241	0.50472	0.50666	0.50832	0.50975	0.51099	0.51208	0.51305	0.51391	0.51468	0.51538
45	0.43726	0.44107	0.44411	0.44658	0.44864	0.45037	0.45184	0.45311	0.45422	0.45519	0.45604	0.45681	0.45750	0.45811
50	0.38260	0.38593	0.38859	0.39076	0.39256	0.39407	0.39536	0.39647	0.39744	0.39829	0.39904	0.39971	0.40031	0.40085
55	0.32794	0.33080	0.33308	0.33494	0.33648	0.33778	0.33888	0.33983	0.34066	0.34139	0.34203	0.34261	0.34312	0.34358
60	0.27329	0.27567	0.27757	0.27911	0.28040	0.28148	0.28240	0.28319	0.28389	0.28449	0.28503	0.28551	0.28594	0.28632
65	0.21863	0.22053	0.22205	0.22329	0.22432	0.22518	0.22592	0.22656	0.22711	0.22759	0.22802	0.22840	0.22875	0.22906
70	0.16397	0.16540	0.16654	0.16747	0.16824	0.16889	0.16944	0.16992	0.17033	0.17069	0.17102	0.17130	0.17156	0.17179
75	0.10931	0.11027	0.11103	0.11165	0.11216	0.11259	0.11296	0.11328	0.11355	0.11380	0.11401	0.11420	0.11437	0.11453
80	0.05466	0.05513	0.05551	0.05582	0.05608	0.05630	0.05648	0.05664	0.05678	0.05690	0.05701	0.05710	0.05719	0.05726

Cuadro 50
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, OBSERVADAS Y ESTIMADAS, 1980 - 2040

Hipótesis Baja

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
						PROBABILIDADES ESTIMADAS								
						Uniforme 2								
0	1.08728	1.08935	1.09092	1.09212	1.09305	1.09378	1.09435	1.09480	1.09517	1.09545	1.09560	1.09586	1.09600	1.09611
1	1.08178	1.08389	1.08550	1.08673	1.08770	1.08846	1.08907	1.08955	1.08994	1.09026	1.09043	1.09072	1.09088	1.09102
5	1.05979	1.06205	1.06380	1.06518	1.06629	1.06719	1.06792	1.06853	1.06905	1.06947	1.06976	1.07014	1.07041	1.07063
10	1.03230	1.03474	1.03667	1.03824	1.03953	1.04060	1.04150	1.04226	1.04293	1.04349	1.04392	1.04442	1.04481	1.04515
15	1.00481	1.00743	1.00955	1.01130	1.01277	1.01401	1.01507	1.01599	1.01680	1.01751	1.01808	1.01871	1.01921	1.01967
20	0.97732	0.98012	0.98243	0.98436	0.98601	0.98742	0.98865	0.98972	0.99068	0.99153	0.99224	0.99299	0.99361	0.99418
25	0.94983	0.95281	0.95531	0.95742	0.95924	0.96083	0.96222	0.96345	0.96456	0.96555	0.96640	0.96727	0.96802	0.96870
30	0.92234	0.92559	0.92818	0.93048	0.93248	0.93424	0.93580	0.93718	0.93844	0.93957	0.94056	0.94155	0.94242	0.94322
35	0.89485	0.89820	0.90106	0.90354	0.90572	0.90765	0.90937	0.91091	0.91232	0.91359	0.91473	0.91583	0.91682	0.91774
40	0.86735	0.87089	0.87394	0.87660	0.87896	0.88106	0.88294	0.88464	0.88619	0.88761	0.88889	0.89011	0.89122	0.89225
45	0.83986	0.84358	0.84682	0.84966	0.85220	0.85447	0.85652	0.85837	0.86007	0.86163	0.86305	0.86439	0.86563	0.86677
50	0.81237	0.81627	0.81969	0.82273	0.82544	0.82788	0.83009	0.83210	0.83395	0.83565	0.83721	0.83867	0.84003	0.84129
55	0.78488	0.78896	0.79257	0.79579	0.79868	0.80129	0.80367	0.80583	0.80783	0.80967	0.81137	0.81296	0.81443	0.81581
60	0.75739	0.76165	0.76545	0.76885	0.77191	0.77470	0.77724	0.77956	0.78171	0.78369	0.78553	0.78724	0.78883	0.79033
65	0.72990	0.73435	0.73832	0.74191	0.74515	0.74811	0.75081	0.75329	0.75558	0.75771	0.75969	0.76152	0.76324	0.76484
70	0.70241	0.70704	0.71120	0.71497	0.71839	0.72152	0.72439	0.72702	0.72946	0.73173	0.73386	0.73580	0.73764	0.73936
75	0.67492	0.67973	0.68408	0.68803	0.69163	0.69493	0.69796	0.70075	0.70334	0.70575	0.70802	0.71008	0.71204	0.71388
80	0.64743	0.65242	0.65696	0.66109	0.66487	0.66834	0.67154	0.67448	0.67722	0.67977	0.68218	0.68436	0.68644	0.68840
						Exponencial								
0	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000
1	0.99850	0.99859	0.99867	0.99873	0.99879	0.99884	0.99889	0.99893	0.99897	0.99900	0.99902	0.99906	0.99909	0.99911
5	0.99251	0.99296	0.99334	0.99368	0.99397	0.99423	0.99446	0.99466	0.99485	0.99502	0.99513	0.99531	0.99544	0.99556
10	0.98507	0.98597	0.98673	0.98740	0.98798	0.98849	0.98894	0.98935	0.98972	0.99006	0.99029	0.99064	0.99090	0.99114
15	0.97769	0.97902	0.98017	0.98115	0.98202	0.98278	0.98346	0.98407	0.98462	0.98512	0.98547	0.98600	0.98638	0.98674
20	0.97036	0.97213	0.97364	0.97495	0.97610	0.97711	0.97801	0.97882	0.97955	0.98021	0.98068	0.98137	0.98188	0.98236
25	0.96309	0.96528	0.96716	0.96879	0.97021	0.97147	0.97259	0.97359	0.97450	0.97532	0.97590	0.97677	0.97740	0.97799
30	0.95587	0.95849	0.96073	0.96266	0.96436	0.96586	0.96720	0.96839	0.96948	0.97046	0.97115	0.97219	0.97295	0.97365
35	0.94871	0.95174	0.95433	0.95658	0.95854	0.96028	0.96184	0.96322	0.96448	0.96562	0.96643	0.96763	0.96851	0.96933
40	0.94160	0.94504	0.94798	0.95053	0.95276	0.95474	0.95650	0.95808	0.95951	0.96081	0.96172	0.96309	0.96409	0.96502
45	0.93454	0.93838	0.94167	0.94452	0.94702	0.94923	0.95120	0.95297	0.95457	0.95602	0.95704	0.95857	0.95970	0.96074
50	0.92754	0.93177	0.93540	0.93855	0.94131	0.94375	0.94593	0.94788	0.94965	0.95126	0.95239	0.95408	0.95532	0.95647
55	0.92058	0.92521	0.92918	0.93262	0.93563	0.93830	0.94069	0.94282	0.94476	0.94651	0.94775	0.94960	0.95096	0.95222
60	0.91369	0.91870	0.92299	0.92672	0.92999	0.93288	0.93547	0.93779	0.93989	0.94180	0.94314	0.94515	0.94663	0.94799
65	0.90684	0.91223	0.91685	0.92086	0.92438	0.92750	0.93029	0.93278	0.93505	0.93710	0.93855	0.94072	0.94231	0.94379
70	0.90004	0.90580	0.91075	0.91504	0.91881	0.92214	0.92513	0.92780	0.93023	0.93243	0.93398	0.93630	0.93801	0.93959
75	0.89330	0.89943	0.90469	0.90926	0.91327	0.91682	0.92000	0.92285	0.92544	0.92778	0.92944	0.93191	0.93373	0.93542
80	0.88660	0.89309	0.89867	0.90351	0.90776	0.91153	0.91490	0.91792	0.92067	0.92316	0.92491	0.92754	0.92947	0.93127

Cuadro 50
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, OBSERVADAS Y ESTIMADAS, 1980 - 2040

Hipótesis Baja

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
						PROBABILIDADES ESTIMADAS								
						Logística								
0	0.99038	0.99147	0.99234	0.99305	0.99364	0.99413	0.99455	0.99491	0.99523	0.99551	0.99567	0.99597	0.99617	0.99635
1	0.98999	0.99111	0.99201	0.99275	0.99335	0.99387	0.99430	0.99468	0.99501	0.99530	0.99547	0.99578	0.99599	0.99617
5	0.98825	0.98953	0.99056	0.99140	0.99210	0.99269	0.99320	0.99363	0.99402	0.99435	0.99456	0.99492	0.99516	0.99537
10	0.98566	0.98716	0.98836	0.98936	0.99019	0.99090	0.99151	0.99203	0.99249	0.99290	0.99315	0.99359	0.99388	0.99414
15	0.98251	0.98425	0.98567	0.98685	0.98783	0.98867	0.98940	0.99003	0.99059	0.99108	0.99140	0.99191	0.99226	0.99258
20	0.97869	0.98071	0.98237	0.98375	0.98491	0.98591	0.98678	0.98753	0.98820	0.98879	0.98919	0.98980	0.99023	0.99062
25	0.97404	0.97638	0.97831	0.97993	0.98131	0.98249	0.98352	0.98442	0.98522	0.98593	0.98643	0.98714	0.98766	0.98814
30	0.96842	0.97112	0.97336	0.97525	0.97686	0.97825	0.97947	0.98054	0.98150	0.98235	0.98297	0.98381	0.98444	0.98501
35	0.96163	0.96472	0.96730	0.96950	0.97139	0.97302	0.97446	0.97573	0.97687	0.97788	0.97865	0.97963	0.98038	0.98108
40	0.95345	0.95697	0.95993	0.96247	0.96466	0.96658	0.96827	0.96976	0.97110	0.97231	0.97327	0.97440	0.97530	0.97613
45	0.94363	0.94760	0.95098	0.95390	0.95643	0.95865	0.96063	0.96238	0.96396	0.96539	0.96658	0.96786	0.96894	0.96994
50	0.93188	0.93634	0.94016	0.94348	0.94639	0.94895	0.95124	0.95329	0.95513	0.95681	0.95828	0.95973	0.96101	0.96219
55	0.91790	0.92285	0.92713	0.93088	0.93419	0.93712	0.93976	0.94212	0.94427	0.94622	0.94803	0.94965	0.95116	0.95256
60	0.90135	0.90678	0.91153	0.91573	0.91945	0.92278	0.92578	0.92850	0.93097	0.93323	0.93544	0.93721	0.93898	0.94061
65	0.88190	0.88778	0.89298	0.89761	0.90176	0.90549	0.90888	0.91196	0.91477	0.91736	0.92004	0.92195	0.92400	0.92590
70	0.85921	0.86548	0.87109	0.87613	0.88069	0.88482	0.88859	0.89204	0.89521	0.89814	0.90137	0.90337	0.90571	0.90789
75	0.83298	0.83955	0.84549	0.85089	0.85582	0.86032	0.86446	0.86827	0.87178	0.87506	0.87891	0.88092	0.88357	0.88605
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Fuente : Cuadros 24, 27, 27', 31 y 43.

Cuadro 51

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS
Hipótesis Baja

Edad	Observadas	Uniforme 1	% error	Uniforme 2	% error	Exponencial	% error	Logística	% error
				1 9 7 5					
0	0.92917	0.92917	0.0000	1.08728	-0.1581	1.00000	-0.0708	0.99038	-0.0612
1	0.97142	0.91824	0.0532	1.08178	-0.1104	0.99850	-0.0271	0.98999	-0.0186
5	0.99157	0.87451	0.1171	1.05979	-0.0682	0.99251	-0.0009	0.98825	0.0033
10	0.99471	0.81986	0.1749	1.03230	-0.0376	0.98507	0.0096	0.98566	0.0090
15	0.99131	0.76520	0.2261	1.00481	-0.0135	0.97769	0.0136	0.98251	0.0088
20	0.98595	0.71054	0.2754	0.97732	0.0086	0.97036	0.0156	0.97869	0.0073
25	0.98272	0.65588	0.3268	0.94983	0.0329	0.96309	0.0196	0.97404	0.0087
30	0.97868	0.60123	0.3775	0.92234	0.0563	0.95587	0.0228	0.96842	0.0103
35	0.97319	0.54657	0.4266	0.89485	0.0783	0.94871	0.0245	0.96163	0.0116
40	0.96715	0.49191	0.4752	0.86735	0.0998	0.94160	0.0256	0.95345	0.0137
45	0.95769	0.43726	0.5204	0.83986	0.1178	0.93454	0.0232	0.94363	0.0141
50	0.94508	0.38260	0.5625	0.81237	0.1327	0.92754	0.0175	0.93188	0.0132
55	0.92695	0.32794	0.5990	0.78488	0.1421	0.92058	0.0064	0.91790	0.0091
60	0.89932	0.27329	0.6260	0.75739	0.1419	0.91369	-0.0144	0.90135	-0.0020
65	0.85700	0.21863	0.6384	0.72990	0.1271	0.90684	-0.0498	0.88190	-0.0249
70	0.79066	0.16397	0.6267	0.70241	0.0882	0.90004	-0.1094	0.85921	-0.0685
75	0.68424	0.10931	0.5749	0.67492	0.0093	0.89330	-0.2091	0.83298	-0.1487
80	0.00000	0.05466	-0.0547	0.64743	-0.6474	0.88660	-0.8866	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			42.05		13.08		9.77		2.74
				1 9 8 0					
0	0.93727	0.93727	0.0000	1.08935	-0.1521	1.00000	-0.0627	0.99147	-0.0542
1	0.97434	0.92624	0.0481	1.08389	-0.1096	0.99859	-0.0242	0.99111	-0.0168
5	0.99241	0.88214	0.1103	1.06205	-0.0696	0.99296	-0.0005	0.98953	0.0029
10	0.99524	0.82700	0.1682	1.03474	-0.0395	0.98597	0.0093	0.98716	0.0081
15	0.99215	0.77187	0.2203	1.00743	-0.0153	0.97902	0.0131	0.98425	0.0079
20	0.98729	0.71674	0.2706	0.98012	0.0072	0.97213	0.0152	0.98071	0.0066
25	0.98433	0.66160	0.3227	0.95281	0.0315	0.96528	0.0190	0.97638	0.0079
30	0.98061	0.60647	0.3741	0.92550	0.0551	0.95849	0.0221	0.97112	0.0095
35	0.97552	0.55134	0.4242	0.89820	0.0773	0.95174	0.0238	0.96472	0.0108
40	0.96988	0.49620	0.4737	0.87089	0.0990	0.94504	0.0248	0.95697	0.0129
45	0.96101	0.44107	0.5199	0.84358	0.1174	0.93838	0.0226	0.94760	0.0134
50	0.94909	0.38593	0.5632	0.81627	0.1328	0.93177	0.0173	0.93634	0.0128
55	0.93178	0.33080	0.6010	0.78896	0.1428	0.92521	0.0066	0.92285	0.0089
60	0.90514	0.27567	0.6295	0.76165	0.1435	0.91870	-0.0136	0.90678	-0.0016
65	0.86383	0.22053	0.6433	0.73435	0.1295	0.91223	-0.0484	0.88778	-0.0240
70	0.79808	0.16540	0.6327	0.70704	0.0910	0.90580	-0.1077	0.86548	-0.0674
75	0.69101	0.11027	0.5807	0.67973	0.0113	0.89943	-0.2084	0.83955	-0.1485
80	0.00000	0.05513	-0.0551	0.65242	-0.6524	0.89309	-0.8931	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.77		13.07		9.65		2.61

Cuadro 51
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS
Hipótesis Baja

Edad	Observadas	Uniforme 1	% error	Uniforme 2	% error	Exponencial	% error	Logística	% error
				1985					
0	0.94373	0.94373	0.0000	1.09092	-0.1472	1.00000	-0.0563	0.99234	-0.0486
1	0.97671	0.93263	0.0441	1.08550	-0.1088	0.99867	-0.0220	0.99201	-0.0153
5	0.99310	0.88822	0.1049	1.06380	-0.0707	0.99334	-0.0002	0.99056	0.0025
10	0.99566	0.83270	0.1630	1.03667	-0.0410	0.98673	0.0089	0.98836	0.0073
15	0.99285	0.77719	0.2157	1.00955	-0.0167	0.98017	0.0127	0.98567	0.0072
20	0.98839	0.72168	0.2667	0.98243	0.0060	0.97364	0.0147	0.98237	0.0060
25	0.98565	0.66616	0.3195	0.95531	0.0303	0.96716	0.0185	0.97831	0.0073
30	0.98219	0.61065	0.3715	0.92818	0.0540	0.96073	0.0215	0.97336	0.0088
35	0.97746	0.55514	0.4223	0.90106	0.0764	0.95433	0.0231	0.96730	0.0102
40	0.97216	0.49962	0.4725	0.87394	0.0982	0.94798	0.0242	0.95993	0.0122
45	0.96380	0.44411	0.5197	0.84682	0.1170	0.94167	0.0221	0.95098	0.0128
50	0.95249	0.38859	0.5639	0.81969	0.1328	0.93540	0.0171	0.94016	0.0123
55	0.93594	0.33308	0.6029	0.79257	0.1434	0.92918	0.0068	0.92713	0.0088
60	0.91023	0.27757	0.6327	0.76545	0.1448	0.92299	-0.0128	0.91153	-0.0013
65	0.86989	0.22205	0.6478	0.73832	0.1316	0.91685	-0.0470	0.89298	-0.0231
70	0.80483	0.16654	0.6383	0.71120	0.0936	0.91075	-0.1059	0.87109	-0.0663
75	0.67736	0.11103	0.5863	0.68408	0.0133	0.90469	-0.2073	0.84549	-0.1481
80	0.00000	0.05551	-0.0555	0.65696	-0.6570	0.89867	-0.8987	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.57		13.06		9.53		2.50
				1990					
0	0.94899	0.94899	0.0000	1.09212	-0.1431	1.00000	-0.0510	0.99305	-0.0441
1	0.97867	0.93783	0.0408	1.08673	-0.1081	0.99873	-0.0201	0.99275	-0.0141
5	0.99366	0.89317	0.1005	1.06518	-0.0715	0.99368	0.0000	0.99140	0.0023
10	0.99602	0.83734	0.1587	1.03824	-0.0422	0.98740	0.0086	0.98936	0.0067
15	0.99342	0.78152	0.2119	1.01130	-0.0179	0.98115	0.0123	0.98685	0.0066
20	0.98931	0.72570	0.2636	0.98436	0.0049	0.97495	0.0144	0.98375	0.0056
25	0.98676	0.66988	0.3169	0.95742	0.0293	0.96879	0.0180	0.97993	0.0068
30	0.98353	0.61405	0.3695	0.93048	0.0530	0.96266	0.0209	0.97525	0.0083
35	0.97909	0.55823	0.4209	0.90354	0.0755	0.95658	0.0225	0.96950	0.0096
40	0.97409	0.50241	0.4717	0.87660	0.0975	0.95053	0.0236	0.96247	0.0116
45	0.96618	0.44658	0.5196	0.84966	0.1165	0.94452	0.0217	0.95390	0.0123
50	0.95541	0.39076	0.5646	0.82273	0.1327	0.93855	0.0169	0.94348	0.0119
55	0.93955	0.33494	0.6046	0.79579	0.1438	0.93262	0.0069	0.93088	0.0087
60	0.91471	0.27911	0.6356	0.76885	0.1459	0.92672	-0.0120	0.91573	-0.0010
65	0.87532	0.22329	0.6520	0.74191	0.1334	0.92086	-0.0455	0.89761	-0.0223
70	0.81099	0.16747	0.6435	0.71497	0.0960	0.91504	-0.1041	0.87613	-0.0651
75	0.70331	0.11165	0.5917	0.68803	0.0153	0.90926	-0.2059	0.85089	-0.1476
80	0.00000	0.05582	-0.0558	0.66109	-0.6611	0.90351	-0.9035	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.42		13.06		9.43		2.40

Cuadro 51

(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Baja

Edad	Observadas	Uniforme 1	% error	Uniforme 2	% error	Exponencial	% error	Logística	% error
				1995					
0	0.95336	0.95336	0.0000	1.09305	-0.1397	1.00000	-0.0466	0.99364	-0.0403
1	0.98031	0.94214	0.0382	1.08770	-0.1074	0.99879	-0.0185	0.99335	-0.0130
5	0.99414	0.89728	0.0969	1.06629	-0.0721	0.99397	0.0002	0.99210	0.0020
10	0.99631	0.84120	0.1551	1.03953	-0.0432	0.98798	0.0083	0.99019	0.0061
15	0.99391	0.78512	0.2088	1.01277	-0.0189	0.98202	0.0119	0.98783	0.0061
20	0.99008	0.72904	0.2610	0.98601	0.0041	0.97610	0.0140	0.98491	0.0052
25	0.98769	0.67296	0.3147	0.95924	0.0284	0.97021	0.0175	0.98131	0.0064
30	0.98466	0.61688	0.3678	0.93248	0.0522	0.96436	0.0203	0.97686	0.0078
35	0.98048	0.56080	0.4197	0.90572	0.0748	0.95854	0.0219	0.97139	0.0091
40	0.97574	0.50472	0.4710	0.87896	0.0968	0.95276	0.0230	0.96466	0.0111
45	0.96824	0.44864	0.5196	0.85220	0.1160	0.94702	0.0212	0.95643	0.0118
50	0.95795	0.39256	0.5654	0.82544	0.1325	0.94131	0.0166	0.94639	0.0116
55	0.94272	0.33648	0.6062	0.79868	0.1440	0.93563	0.0071	0.93419	0.0085
60	0.91868	0.28040	0.6383	0.77191	0.1468	0.92999	-0.0113	0.91945	-0.0008
65	0.88021	0.22432	0.6559	0.74515	0.1351	0.92438	-0.0442	0.90176	-0.0215
70	0.81665	0.16824	0.6484	0.71839	0.0983	0.91881	-0.1022	0.88069	-0.0640
75	0.70889	0.11216	0.5967	0.69163	0.0173	0.91327	-0.2044	0.85582	-0.1469
80	0.00000	0.05608	-0.0561	0.66487	-0.6649	0.90776	-0.9078	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.30		13.05		9.34		2.32
				2000					
0	0.95703	0.95703	0.0000	1.09378	-0.1367	1.00000	-0.0430	0.99413	-0.0371
1	0.98170	0.94577	0.0359	1.08846	-0.1068	0.99884	-0.0171	0.99387	-0.0122
5	0.99455	0.90073	0.0938	1.06719	-0.0726	0.99423	0.0003	0.99269	0.0019
10	0.99656	0.84444	0.1521	1.04060	-0.0440	0.98849	0.0081	0.99090	0.0057
15	0.99432	0.78814	0.2062	1.01401	-0.0197	0.98278	0.0115	0.98867	0.0056
20	0.99074	0.73185	0.2589	0.98742	0.0033	0.97711	0.0136	0.98591	0.0048
25	0.98849	0.67555	0.3129	0.96083	0.0277	0.97147	0.0170	0.98249	0.0060
30	0.98563	0.61925	0.3664	0.93424	0.0514	0.96586	0.0198	0.97825	0.0074
35	0.98168	0.56296	0.4187	0.90765	0.0740	0.96028	0.0214	0.97302	0.0087
40	0.97718	0.50666	0.4705	0.88106	0.0961	0.95474	0.0224	0.96658	0.0106
45	0.97003	0.45037	0.5197	0.85447	0.1156	0.94923	0.0208	0.95865	0.0114
50	0.96018	0.39407	0.5661	0.82788	0.1323	0.94375	0.0164	0.94895	0.0112
55	0.94551	0.33778	0.6077	0.80129	0.1442	0.93830	0.0072	0.93712	0.0084
60	0.92222	0.28148	0.6407	0.77470	0.1475	0.93288	-0.0107	0.92278	-0.0006
65	0.88462	0.22518	0.6594	0.74811	0.1365	0.92750	-0.0429	0.90549	-0.0209
70	0.82185	0.16889	0.6530	0.72152	0.1003	0.92214	-0.1003	0.88482	-0.0630
75	0.71414	0.11259	0.6015	0.69493	0.0192	0.91682	-0.2027	0.86032	-0.1462
80	0.00000	0.05630	-0.0563	0.66834	-0.6683	0.91153	-0.9115	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.20		13.05		9.25		2.25

Cuadro 51
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS
Hipótesis Baja

Edad	Observadas	Uniforme 1	% error	Uniforme 2	% error	Exponencial	% error	Logística	% error
				2005					
0	0.96016	0.96016	0.0000	1.09435	-0.1342	1.00000	-0.0398	0.99455	-0.0344
1	0.98290	0.94886	0.0340	1.08907	-0.1062	0.99889	-0.0160	0.99430	-0.0114
5	0.99490	0.90368	0.0912	1.06792	-0.0730	0.99446	0.0004	0.99320	0.0017
10	0.99678	0.84720	0.1496	1.04150	-0.0447	0.98894	0.0078	0.99151	0.0053
15	0.99468	0.79072	0.2040	1.01507	-0.0204	0.98346	0.0112	0.98940	0.0053
20	0.99131	0.73424	0.2571	0.98865	0.0027	0.97801	0.0133	0.98678	0.0045
25	0.98919	0.67776	0.3114	0.96222	0.0270	0.97259	0.0166	0.98352	0.0057
30	0.98648	0.62128	0.3652	0.93580	0.0507	0.96720	0.0193	0.97947	0.0070
35	0.98272	0.56480	0.4179	0.90937	0.0734	0.96184	0.0209	0.97446	0.0083
40	0.97844	0.50832	0.4701	0.88294	0.0955	0.95650	0.0219	0.96827	0.0102
45	0.97160	0.45184	0.5198	0.85652	0.1151	0.95120	0.0204	0.96063	0.0110
50	0.96215	0.39536	0.5668	0.83009	0.1321	0.94593	0.0162	0.95124	0.0109
55	0.94800	0.33888	0.6091	0.80367	0.1443	0.94069	0.0073	0.93976	0.0082
60	0.92541	0.28240	0.6430	0.77724	0.1482	0.93547	-0.0101	0.92578	-0.0004
65	0.88864	0.22592	0.6627	0.75081	0.1378	0.93029	-0.0416	0.90888	-0.0202
70	0.82665	0.16944	0.6572	0.72439	0.1023	0.92513	-0.0985	0.88859	-0.0619
75	0.71909	0.11296	0.6061	0.69796	0.0211	0.92000	-0.2009	0.86446	-0.1454
80	0.00000	0.05648	-0.0565	0.67154	-0.6715	0.91490	-0.9149	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.13		13.04		9.18		2.18
				2010					
0	0.96286	0.96286	0.0000	1.09480	-0.1319	1.00000	-0.0371	0.99491	-0.0321
1	0.98394	0.95153	0.0324	1.08955	-0.1056	0.99893	-0.0150	0.99468	-0.0107
5	0.99520	0.90622	0.0890	1.06853	-0.0733	0.99466	0.0005	0.99363	0.0016
10	0.99697	0.84958	0.1474	1.04226	-0.0453	0.98935	0.0076	0.99203	0.0049
15	0.99499	0.79294	0.2020	1.01599	-0.0210	0.98407	0.0109	0.99003	0.0050
20	0.99181	0.73630	0.2555	0.98972	0.0021	0.97882	0.0130	0.98753	0.0043
25	0.98980	0.67967	0.3101	0.96345	0.0263	0.97359	0.0162	0.98442	0.0054
30	0.98722	0.62303	0.3642	0.93718	0.0500	0.96839	0.0188	0.98054	0.0067
35	0.98364	0.56639	0.4173	0.91091	0.0727	0.96322	0.0204	0.97573	0.0079
40	0.97954	0.50975	0.4698	0.88464	0.0949	0.95808	0.0215	0.96976	0.0098
45	0.97300	0.45311	0.5199	0.85837	0.1146	0.95297	0.0200	0.96238	0.0106
50	0.96390	0.39647	0.5674	0.83210	0.1318	0.94788	0.0160	0.95329	0.0106
55	0.95023	0.33983	0.6104	0.80583	0.1444	0.94282	0.0074	0.94212	0.0081
60	0.92828	0.28319	0.6451	0.77956	0.1487	0.93779	-0.0095	0.92850	-0.0002
65	0.89230	0.22656	0.6657	0.75329	0.1390	0.93278	-0.0405	0.91196	-0.0197
70	0.83109	0.16992	0.6612	0.72702	0.1041	0.92780	-0.0967	0.89204	-0.0610
75	0.72374	0.11328	0.6105	0.70075	0.0230	0.92285	-0.1991	0.86827	-0.1445
80	0.00000	0.05664	-0.0566	0.67448	-0.6745	0.91792	-0.9179	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.07		13.04		9.10		2.13

Cuadro 51
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS
Hipótesis Baja

Edad	Observadas	Uniforme 1	% error	Uniforme 2	% error	Exponencial	% error	Logística	% error
				2 0 1 5					
0	0.96521	0.96521	0.0000	1.09517	-0.1300	1.00000	-0.0348	0.99523	-0.0300
1	0.98486	0.95385	0.0310	1.08994	-0.1051	0.99897	-0.0141	0.99501	-0.0101
5	0.99547	0.90843	0.0870	1.06905	-0.0736	0.99485	0.0006	0.99402	0.0015
10	0.99714	0.85166	0.1455	1.04293	-0.0458	0.98972	0.0074	0.99249	0.0046
15	0.99526	0.79488	0.2004	1.01680	-0.0215	0.98462	0.0106	0.99059	0.0047
20	0.99225	0.73810	0.2541	0.99068	0.0016	0.97955	0.0127	0.98820	0.0040
25	0.99034	0.68132	0.3090	0.96456	0.0258	0.97450	0.0158	0.98522	0.0051
30	0.98788	0.62455	0.3633	0.93844	0.0494	0.96948	0.0184	0.98150	0.0064
35	0.98446	0.56777	0.4167	0.91232	0.0721	0.96448	0.0200	0.97687	0.0076
40	0.98053	0.51099	0.4695	0.88619	0.0943	0.95951	0.0210	0.97110	0.0094
45	0.97424	0.45422	0.5200	0.86007	0.1142	0.95457	0.0197	0.96396	0.0103
50	0.96548	0.39744	0.5680	0.83395	0.1315	0.94965	0.0158	0.95513	0.0103
55	0.95224	0.34066	0.6116	0.80783	0.1444	0.94476	0.0075	0.94427	0.0080
60	0.93086	0.28389	0.6470	0.78171	0.1492	0.93989	-0.0090	0.93097	-0.0001
65	0.89566	0.22711	0.6686	0.75558	0.1401	0.93505	-0.0394	0.91477	-0.0191
70	0.83522	0.17033	0.6649	0.72946	0.1058	0.93023	-0.0950	0.89521	-0.0600
75	0.72814	0.11355	0.6146	0.70334	0.0248	0.92544	-0.1973	0.87178	-0.1436
80	0.00000	0.05678	-0.0568	0.67722	-0.6772	0.92067	-0.9207	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.03		13.04		9.04		2.07
				2 0 2 0					
0	0.96727	0.96727	0.0000	1.09545	-0.1282	1.00000	-0.0327	0.99551	-0.0282
1	0.98567	0.95589	0.0298	1.09026	-0.1046	0.99900	-0.0133	0.99530	-0.0096
5	0.99570	0.91037	0.0853	1.06947	-0.0738	0.99502	0.0007	0.99435	0.0013
10	0.99729	0.85347	0.1438	1.04349	-0.0462	0.99006	0.0072	0.99290	0.0044
15	0.99550	0.79658	0.1989	1.01751	-0.0220	0.98512	0.0104	0.99108	0.0044
20	0.99265	0.73968	0.2530	0.99153	0.0011	0.98021	0.0124	0.98879	0.0039
25	0.99081	0.68278	0.3080	0.96555	0.0253	0.97532	0.0155	0.98593	0.0049
30	0.98846	0.62588	0.3626	0.93957	0.0489	0.97046	0.0180	0.98235	0.0061
35	0.98519	0.56898	0.4162	0.91359	0.0716	0.96562	0.0196	0.97788	0.0073
40	0.98141	0.51208	0.4693	0.88761	0.0938	0.96081	0.0206	0.97231	0.0091
45	0.97536	0.45519	0.5202	0.86163	0.1137	0.95602	0.0193	0.96539	0.0100
50	0.96689	0.39829	0.5686	0.83565	0.1312	0.95126	0.0156	0.95681	0.0101
55	0.95406	0.34139	0.6127	0.80967	0.1444	0.94651	0.0075	0.94622	0.0078
60	0.93327	0.28449	0.6488	0.78369	0.1496	0.94180	-0.0085	0.93323	0.0000
65	0.89875	0.22759	0.6712	0.75771	0.1410	0.93710	-0.0384	0.91736	-0.0186
70	0.83906	0.17069	0.6684	0.73173	0.1073	0.93243	-0.0934	0.89814	-0.0591
75	0.73230	0.11380	0.6185	0.70575	0.0266	0.92778	-0.1955	0.87506	-0.1428
80	0.00000	0.05690	-0.0569	0.67977	-0.6798	0.92316	-0.9232	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			40.99		13.04		8.97		2.03

Cuadro 51
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS
Hipótesis Baja

Edad	Observadas	Uniforme 1	% error	Uniforme 2	% error	Exponencial	% error	Logística	% error
				2025					
0	0.96909	0.96909	0.0000	1.09560	-0.1265	1.00000	-0.0309	0.99567	-0.0266
1	0.98638	0.95769	0.0287	1.09043	-0.1040	0.99902	-0.0126	0.99547	-0.0091
5	0.99536	0.91208	0.0833	1.06976	-0.0744	0.99513	0.0002	0.99456	0.0008
10	0.99746	0.85508	0.1424	1.04392	-0.0465	0.99029	0.0072	0.99315	0.0043
15	0.99572	0.79807	0.1976	1.01808	-0.0224	0.98547	0.0102	0.99140	0.0043
20	0.99299	0.74107	0.2519	0.99224	0.0007	0.98068	0.0123	0.98919	0.0038
25	0.99124	0.68406	0.3072	0.96640	0.0248	0.97590	0.0153	0.98643	0.0048
30	0.98899	0.62706	0.3619	0.94056	0.0484	0.97115	0.0178	0.98297	0.0060
35	0.98584	0.57005	0.4158	0.91473	0.0711	0.96643	0.0194	0.97865	0.0072
40	0.98220	0.51305	0.4692	0.88889	0.0933	0.96172	0.0205	0.97327	0.0089
45	0.97637	0.45604	0.5203	0.86305	0.1133	0.95704	0.0193	0.96658	0.0098
50	0.96818	0.39904	0.5691	0.83721	0.1310	0.95239	0.0158	0.95828	0.0099
55	0.95572	0.34203	0.6137	0.81137	0.1443	0.94775	0.0080	0.94803	0.0077
60	0.93545	0.28503	0.6504	0.78553	0.1499	0.94314	-0.0077	0.93544	0.0000
65	0.90161	0.22802	0.6736	0.75969	0.1419	0.93855	-0.0369	0.92004	-0.0184
70	0.84265	0.17102	0.6716	0.73386	0.1088	0.93398	-0.0913	0.90137	-0.0587
75	0.73625	0.11401	0.6222	0.70802	0.0282	0.92944	-0.1932	0.87891	-0.1427
80	0.00000	0.05701	-0.0570	0.68218	-0.6822	0.92491	-0.9249	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			40.96		13.04		8.91		1.99
				2030					
0	0.97072	0.97072	0.0000	1.09586	-0.1251	1.00000	-0.0293	0.99597	-0.0253
1	0.98703	0.95930	0.0277	1.09072	-0.1037	0.99906	-0.0120	0.99578	-0.0088
5	0.99610	0.91362	0.0825	1.07014	-0.0740	0.99531	0.0008	0.99492	0.0012
10	0.99754	0.85652	0.1410	1.04442	-0.0469	0.99064	0.0069	0.99359	0.0040
15	0.99592	0.79942	0.1965	1.01871	-0.0228	0.98600	0.0099	0.99191	0.0040
20	0.99331	0.74232	0.2510	0.99299	0.0003	0.98137	0.0119	0.98980	0.0035
25	0.99163	0.68521	0.3064	0.96727	0.0244	0.97677	0.0149	0.98714	0.0045
30	0.98946	0.62811	0.3613	0.94155	0.0479	0.97219	0.0173	0.98381	0.0057
35	0.98643	0.57101	0.4154	0.91583	0.0706	0.96763	0.0188	0.97963	0.0068
40	0.98292	0.51391	0.4690	0.89011	0.0928	0.96309	0.0198	0.97440	0.0085
45	0.97728	0.45681	0.5205	0.86439	0.1129	0.95857	0.0187	0.96786	0.0094
50	0.96934	0.39971	0.5696	0.83867	0.1307	0.95408	0.0153	0.95973	0.0096
55	0.95724	0.34261	0.6146	0.81296	0.1443	0.94960	0.0076	0.94965	0.0076
60	0.93746	0.28551	0.6520	0.78724	0.1502	0.94515	-0.0077	0.93721	0.0002
65	0.90425	0.22840	0.6758	0.76152	0.1427	0.94072	-0.0365	0.92195	-0.0177
70	0.84601	0.17130	0.6747	0.73580	0.1102	0.93630	-0.0903	0.90337	-0.0574
75	0.73999	0.11420	0.6258	0.71008	0.0299	0.93191	-0.1919	0.88092	-0.1409
80	0.00000	0.05710	-0.0571	0.68436	-0.6844	0.92754	-0.9275	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			40.94		13.03		8.86		1.94

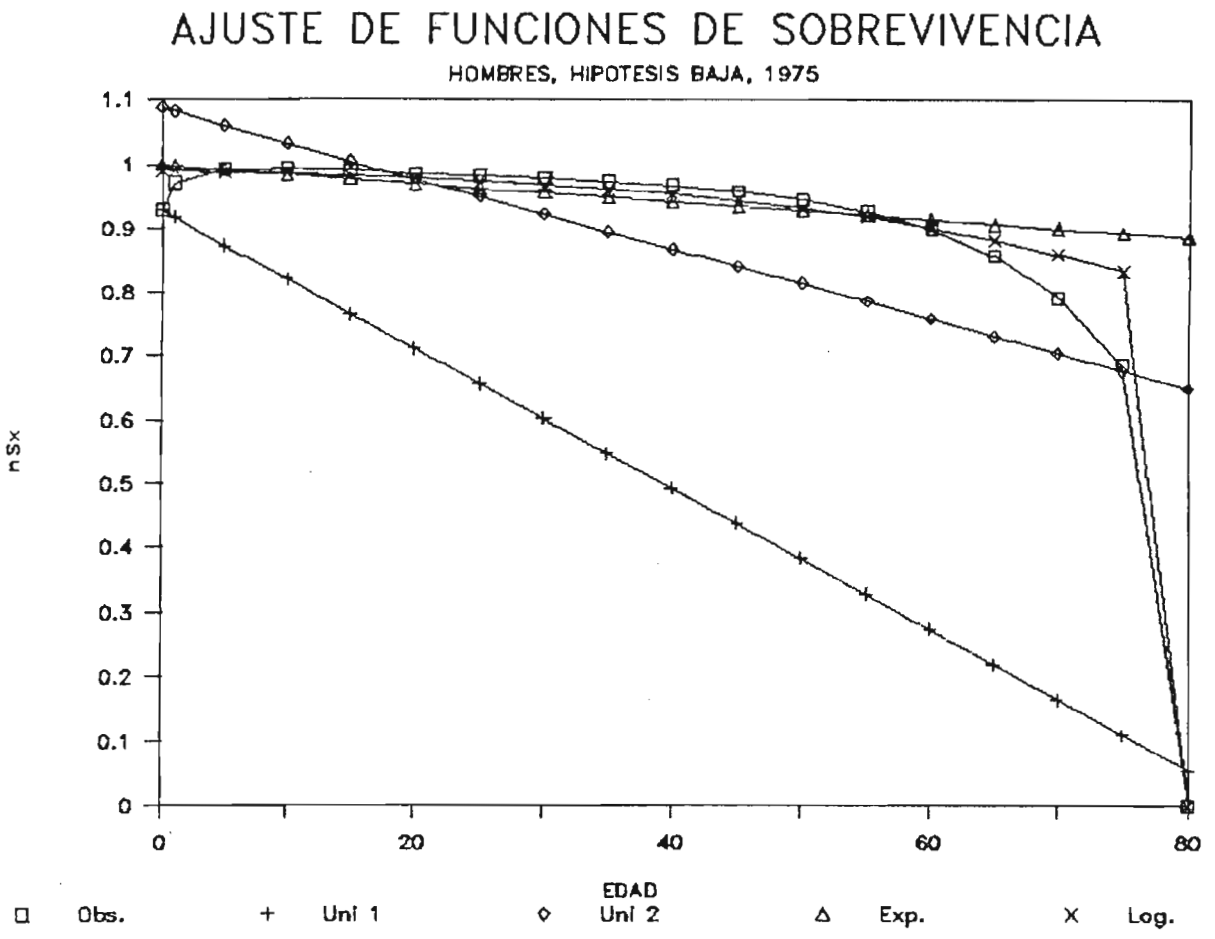
Cuadro 51
(Continuación)

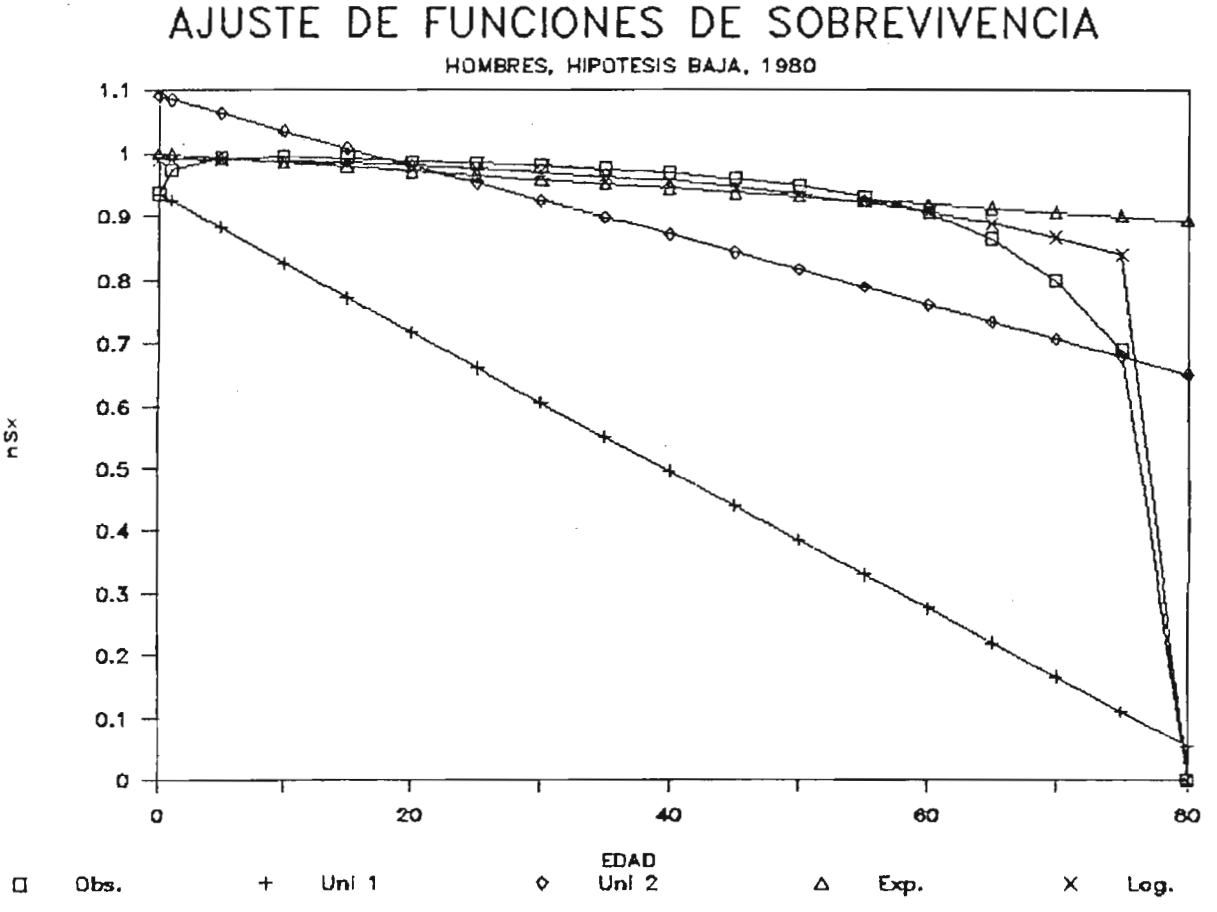
COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS
Hipótesis Baja

Edad	Observadas	Uniforme 1	% error	Uniforme 2	% error	Exponencial	% error	Logistica	% error
				2035					
0	0.97218	0.97218	0.0000	1.09600	-0.1238	1.00000	-0.0278	0.99617	-0.0240
1	0.98761	0.96074	0.0269	1.09088	-0.1033	0.99909	-0.0115	0.99599	-0.0084
5	0.99627	0.91499	0.0813	1.07041	-0.0741	0.99544	0.0008	0.99516	0.0011
10	0.99765	0.85781	0.1398	1.04481	-0.0472	0.99090	0.0068	0.99388	0.0038
15	0.99609	0.80062	0.1955	1.01921	-0.0231	0.98638	0.0097	0.99226	0.0038
20	0.99359	0.74343	0.2502	0.99361	0.0000	0.98188	0.0117	0.99023	0.0034
25	0.99197	0.68624	0.3057	0.96802	0.0240	0.97740	0.0146	0.98766	0.0043
30	0.98989	0.62906	0.3608	0.94242	0.0475	0.97295	0.0169	0.98444	0.0055
35	0.98697	0.57187	0.4151	0.91682	0.0701	0.96851	0.0185	0.98038	0.0066
40	0.98357	0.51468	0.4689	0.89122	0.0923	0.96409	0.0195	0.97530	0.0083
45	0.97812	0.45750	0.5206	0.86563	0.1125	0.95970	0.0184	0.96894	0.0092
50	0.97041	0.40031	0.5701	0.84003	0.1304	0.95532	0.0151	0.96101	0.0094
55	0.95863	0.34312	0.6155	0.81443	0.1442	0.95096	0.0077	0.95116	0.0075
60	0.93931	0.28594	0.6534	0.78883	0.1505	0.94663	-0.0073	0.93898	0.0003
65	0.90671	0.22875	0.6780	0.76324	0.1435	0.94231	-0.0356	0.92400	-0.0173
70	0.84916	0.17156	0.6776	0.73764	0.1115	0.93801	-0.0889	0.90571	-0.0565
75	0.74355	0.11437	0.6292	0.71204	0.0315	0.93373	-0.1902	0.88357	-0.1400
80	0.00000	0.05719	-0.0572	0.68644	-0.6864	0.92947	-0.9295	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			40.92		13.03		8.81		1.90
				2040					
0	0.97349	0.97349	0.0000	1.09611	-0.1226	1.00000	-0.0265	0.99635	-0.0229
1	0.98814	0.96204	0.0261	1.09102	-0.1029	0.99911	-0.0110	0.99617	-0.0080
5	0.99643	0.91623	0.0802	1.07063	-0.0742	0.99556	0.0009	0.99537	0.0011
10	0.99774	0.85896	0.1388	1.04515	-0.0474	0.99114	0.0066	0.99414	0.0036
15	0.99625	0.80170	0.1946	1.01967	-0.0234	0.98674	0.0095	0.99258	0.0037
20	0.99385	0.74443	0.2494	0.99418	-0.0003	0.98236	0.0115	0.99062	0.0032
25	0.99229	0.68717	0.3051	0.96870	0.0236	0.97799	0.0143	0.98814	0.0042
30	0.99028	0.62991	0.3604	0.94322	0.0471	0.97365	0.0166	0.98501	0.0053
35	0.98746	0.57264	0.4148	0.91774	0.0697	0.96933	0.0181	0.98108	0.0064
40	0.98417	0.51538	0.4688	0.89225	0.0919	0.96502	0.0191	0.97613	0.0080
45	0.97888	0.45811	0.5208	0.86677	0.1121	0.96074	0.0181	0.96994	0.0089
50	0.97139	0.40085	0.5705	0.84129	0.1301	0.95647	0.0149	0.96219	0.0092
55	0.95991	0.34358	0.6163	0.81581	0.1441	0.95222	0.0077	0.95256	0.0074
60	0.94102	0.28632	0.6547	0.79033	0.1507	0.94799	-0.0070	0.94061	0.0004
65	0.90900	0.22906	0.6799	0.76484	0.1442	0.94379	-0.0348	0.92590	-0.0169
70	0.85212	0.17179	0.6803	0.73936	0.1128	0.93959	-0.0875	0.90789	-0.0558
75	0.74693	0.11453	0.6324	0.71388	0.0331	0.93542	-0.1885	0.88605	-0.1391
80	0.00000	0.05726	-0.0573	0.68840	-0.6884	0.93127	-0.9313	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			40.90		13.03		8.76		1.87

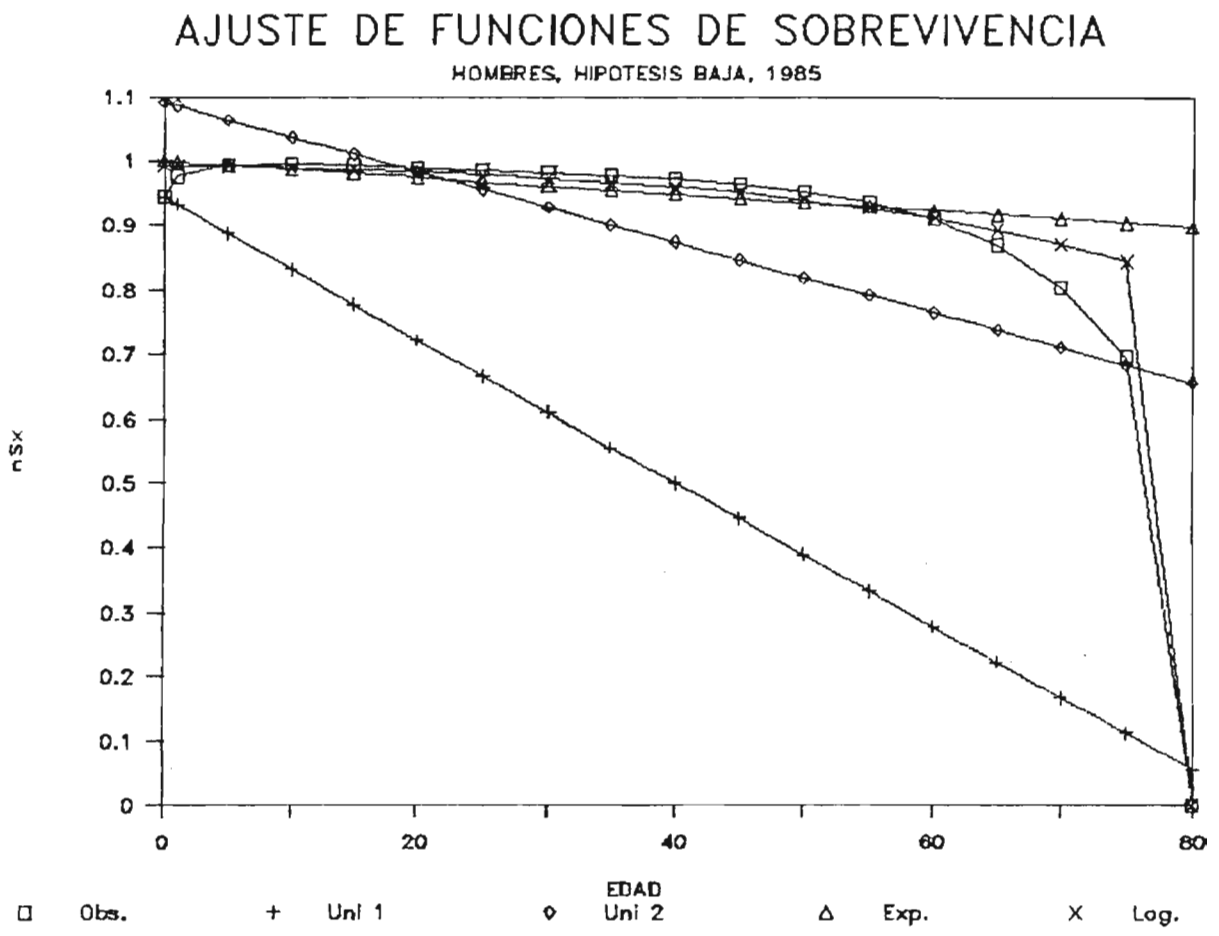
Fuente: Cuadro 50.

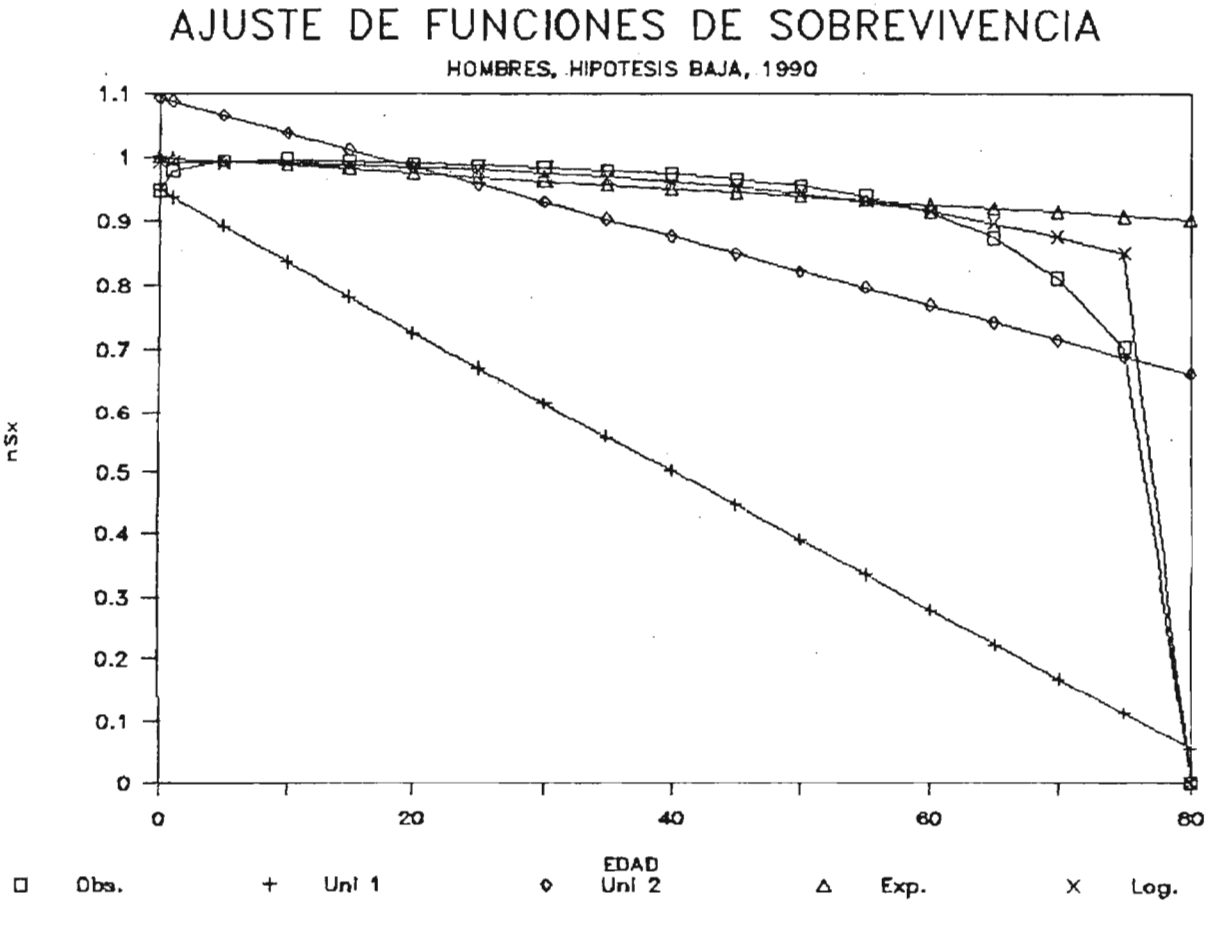
Gráfica 59 y 60



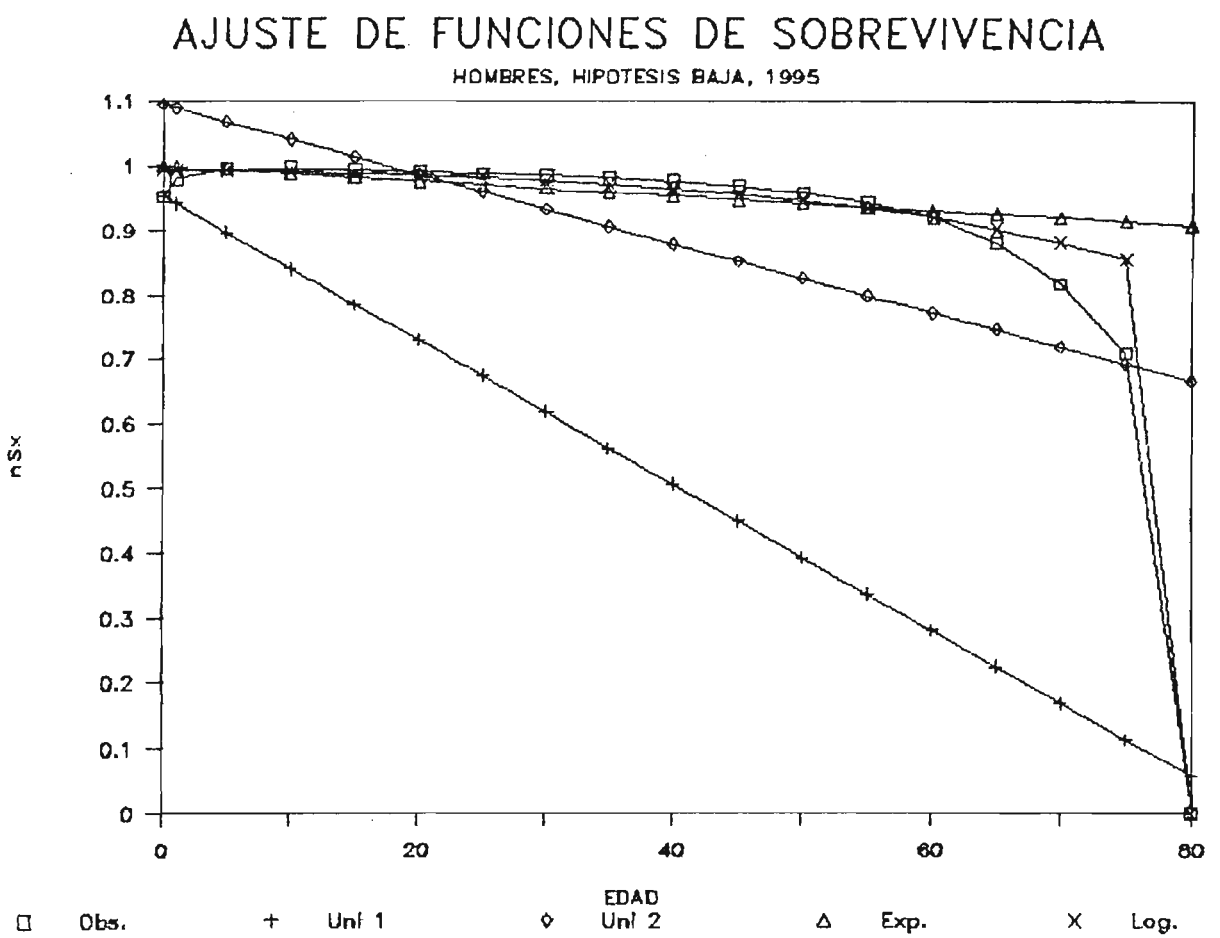


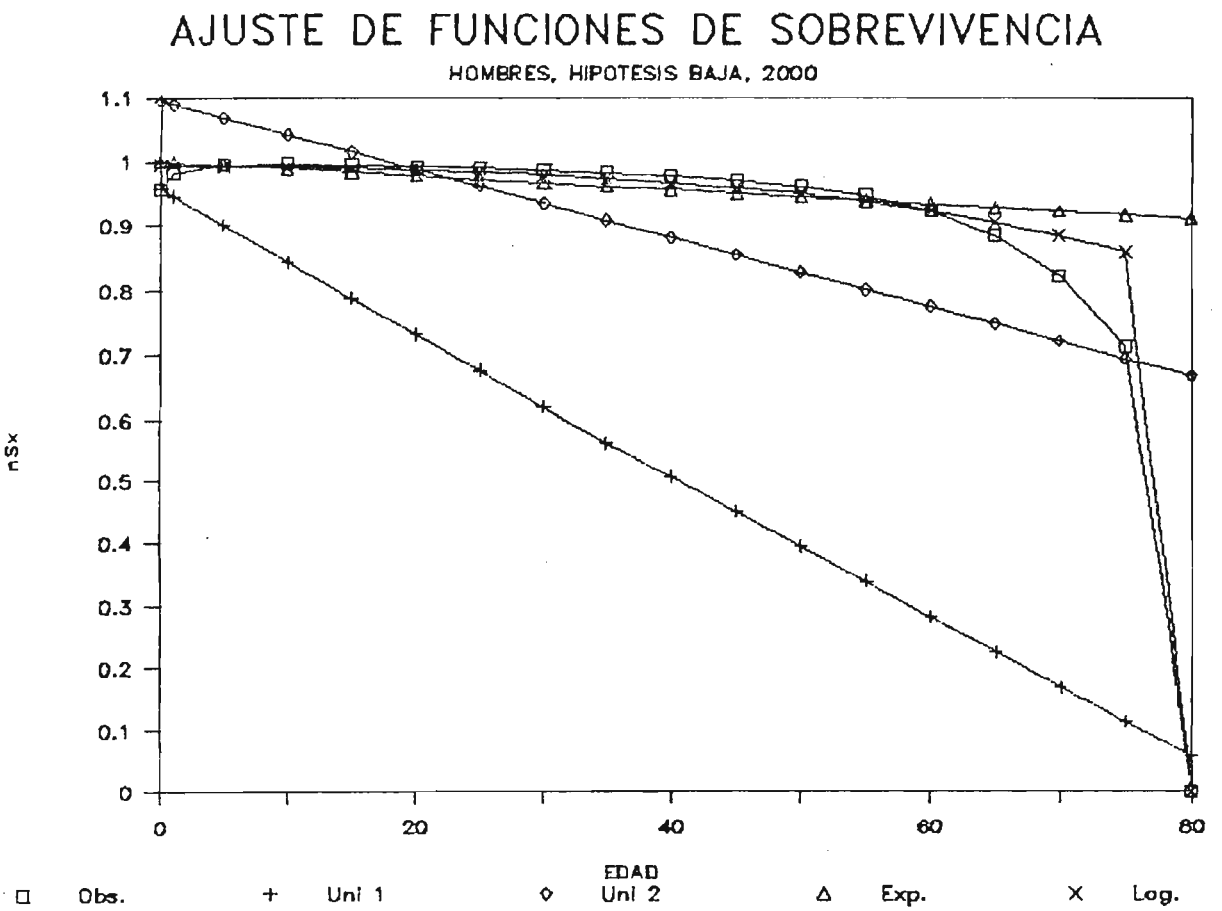
Gráfica 61 y 62



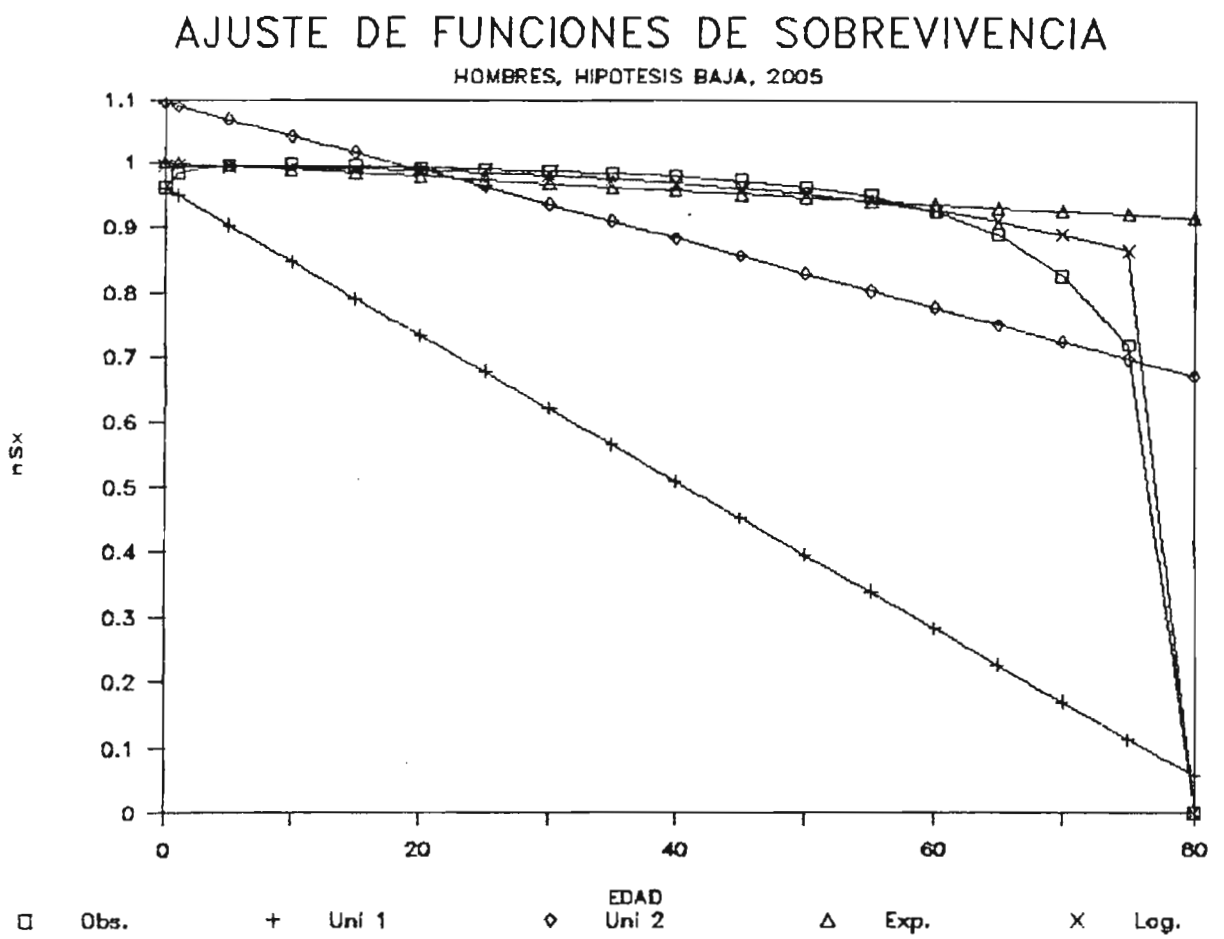


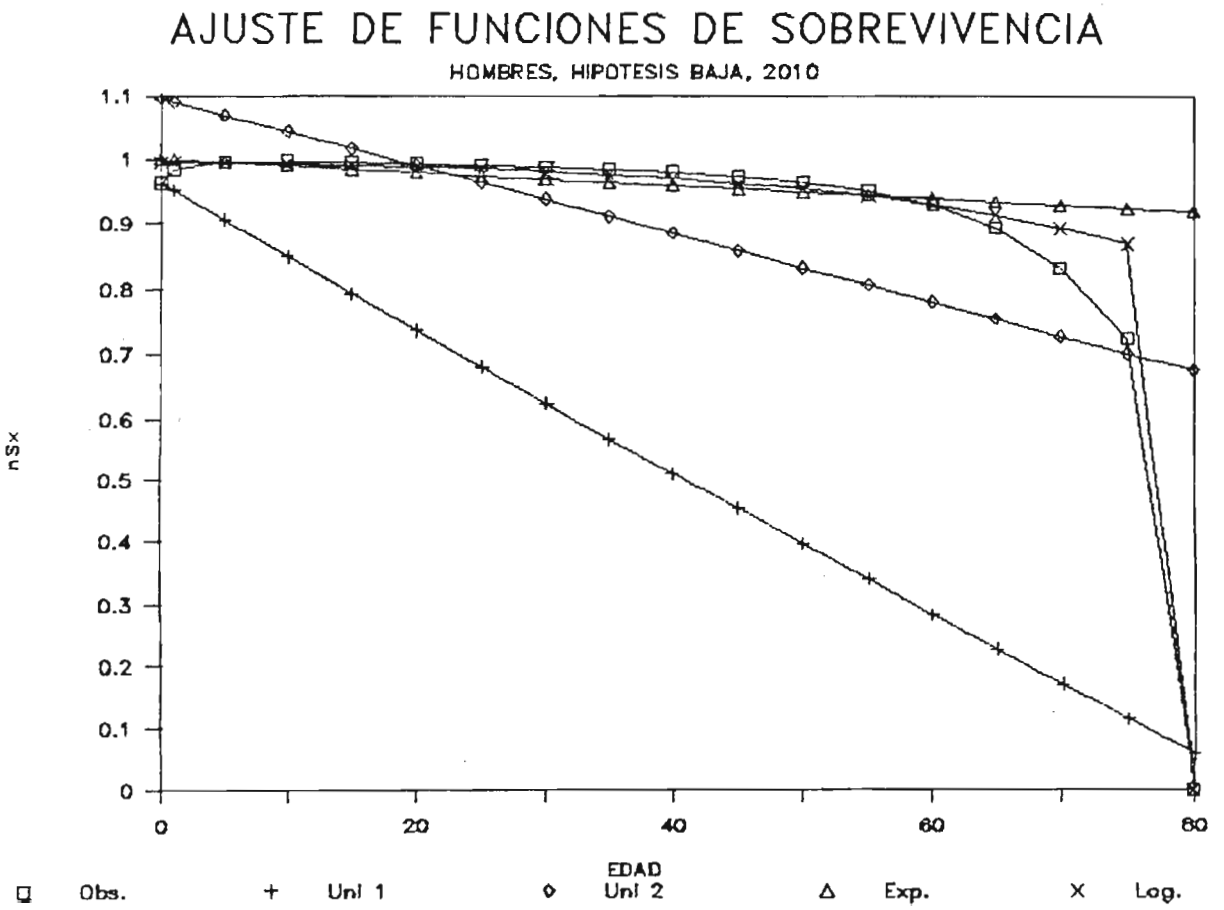
Gráfica 63 y 64



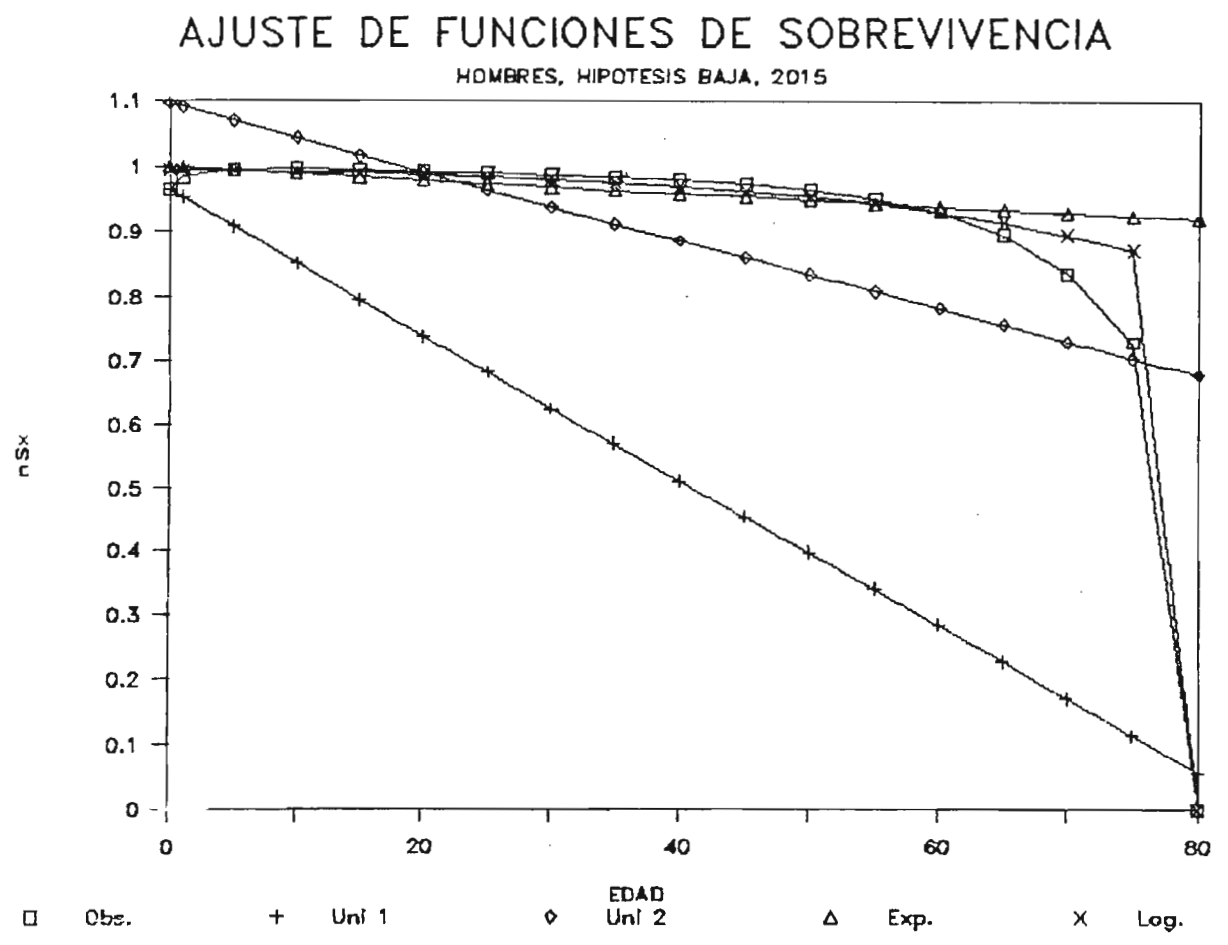


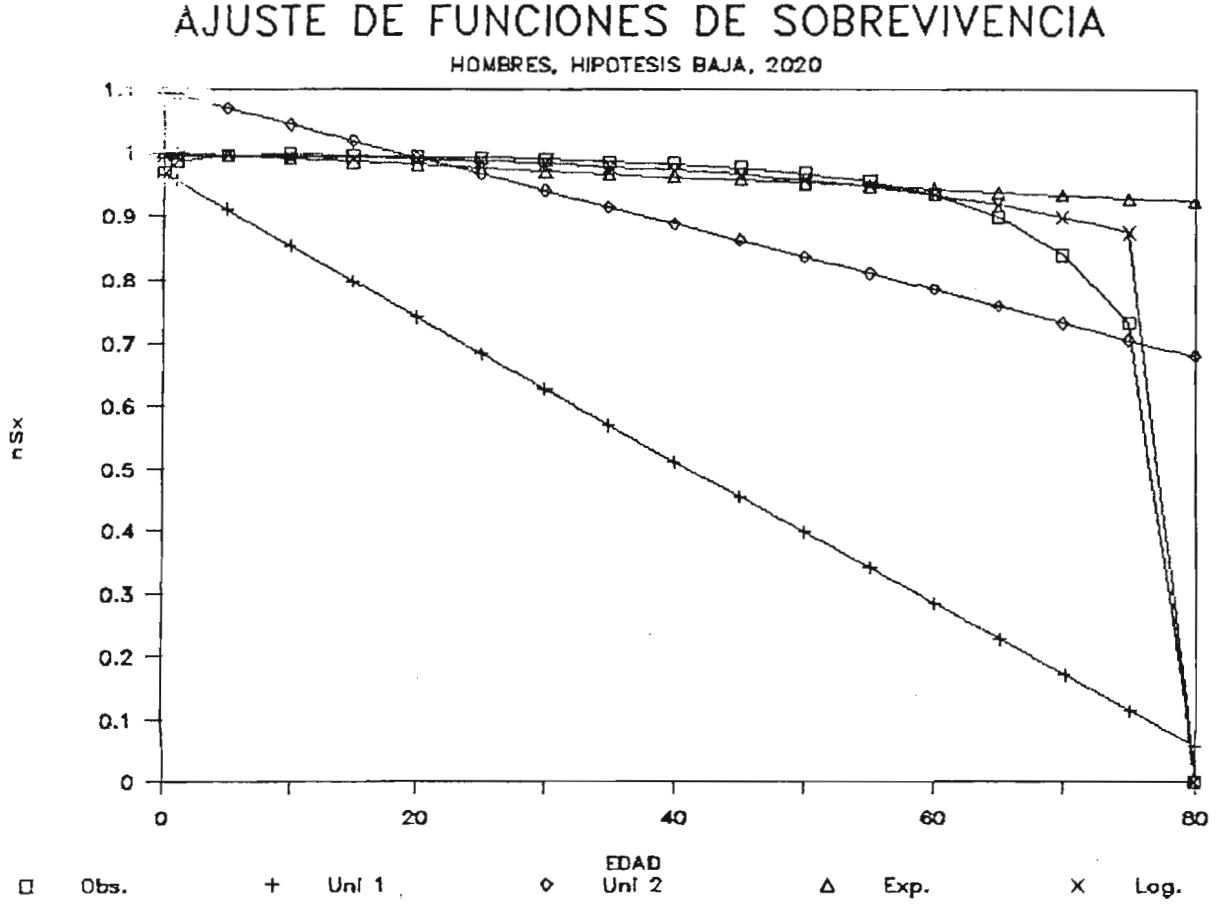
Gráfica 65 y 66



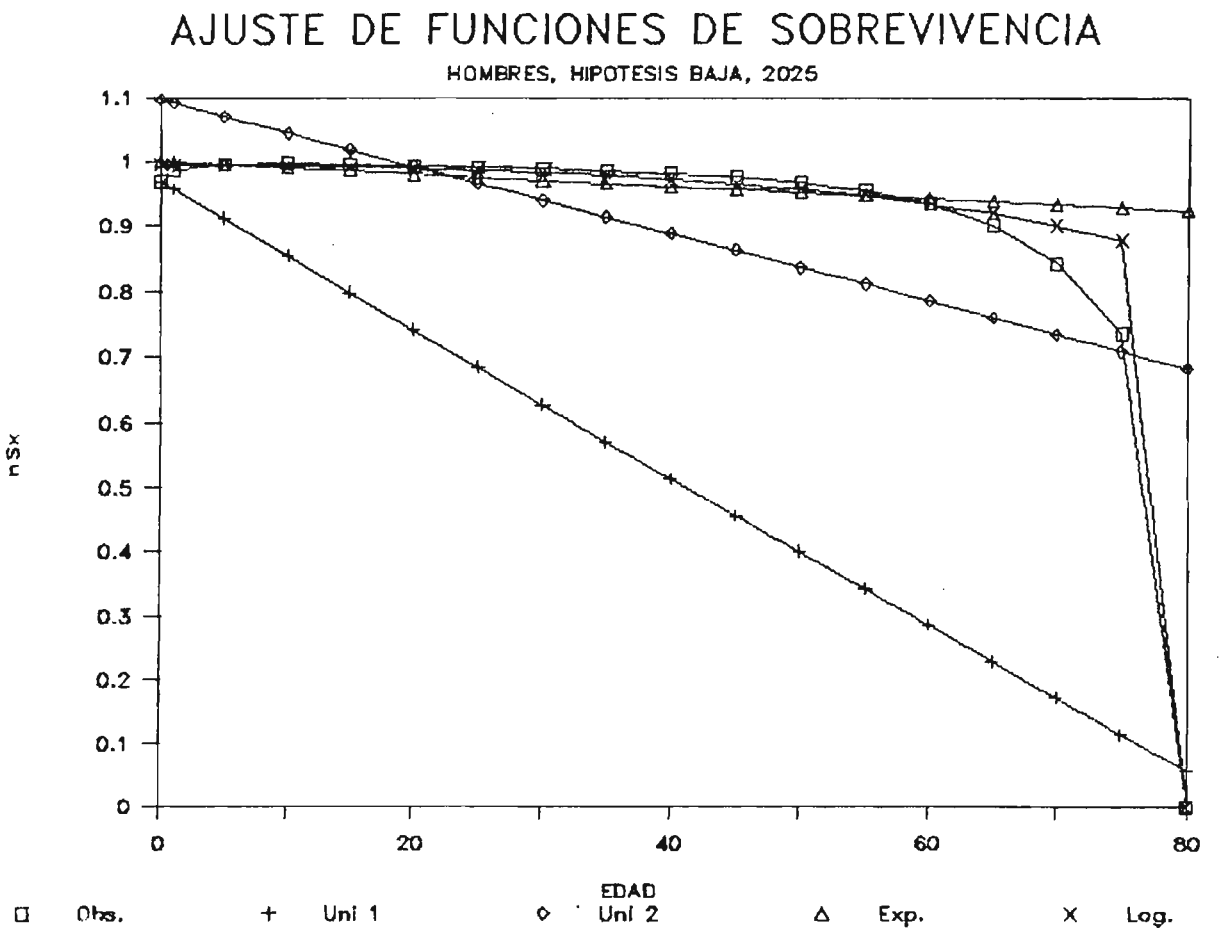


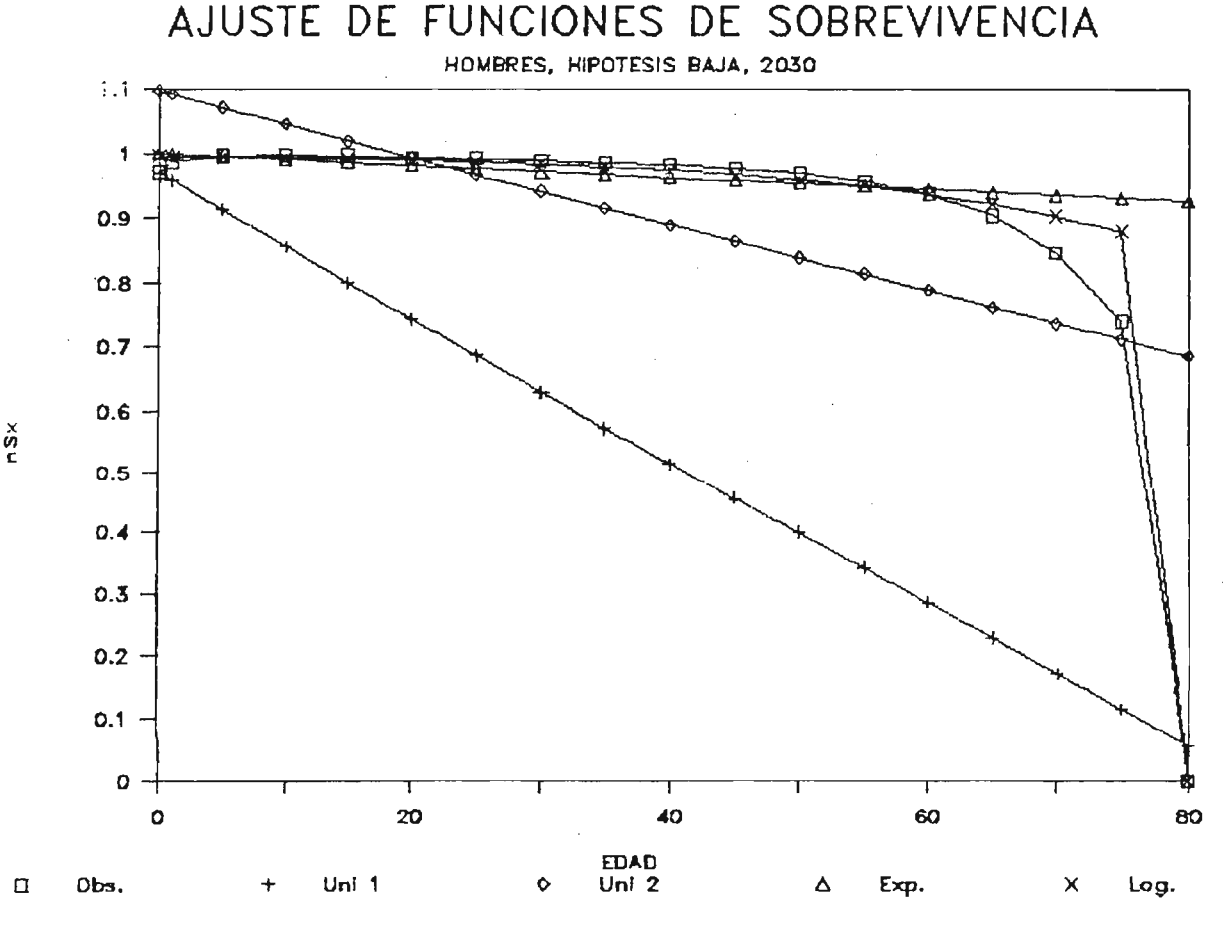
Gráfica 67 y 68



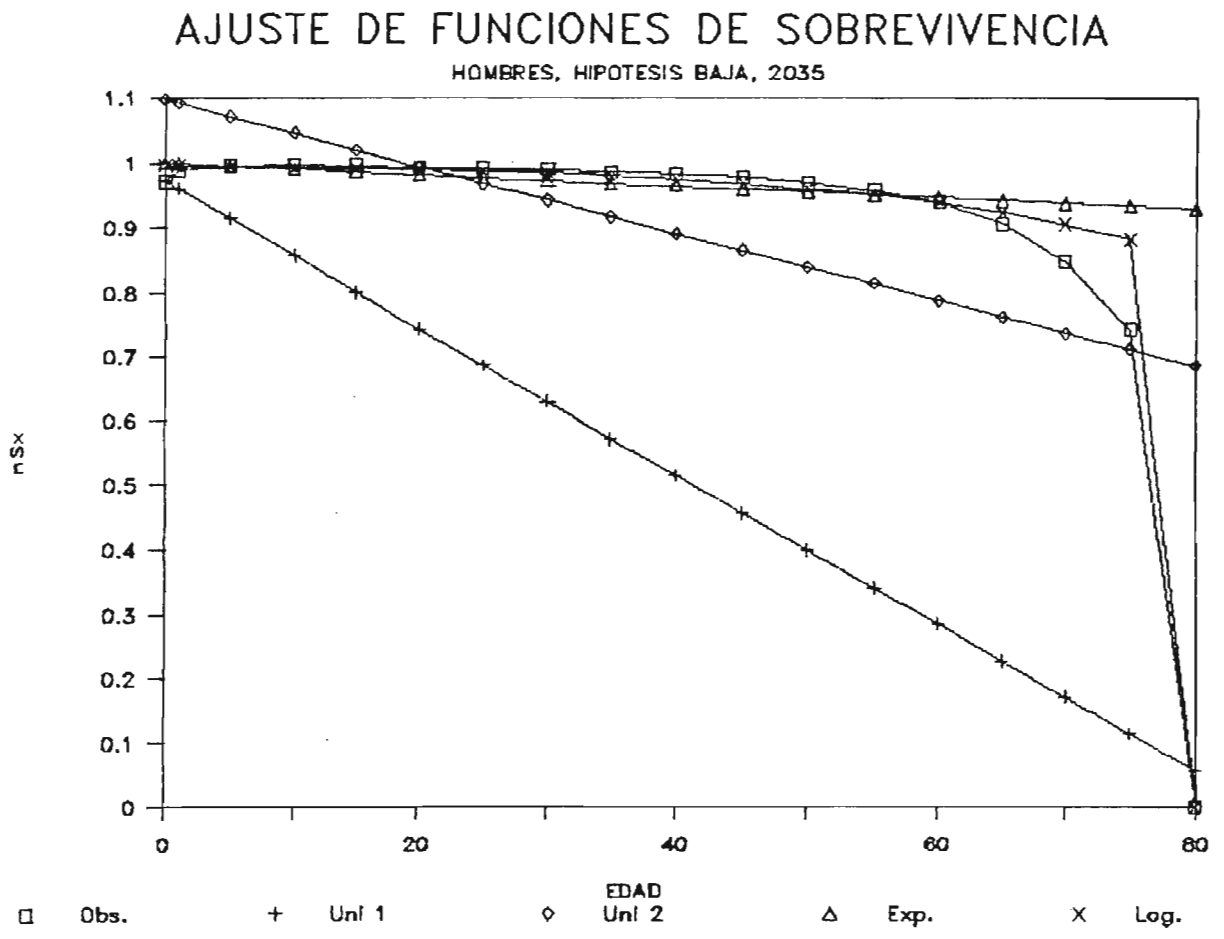


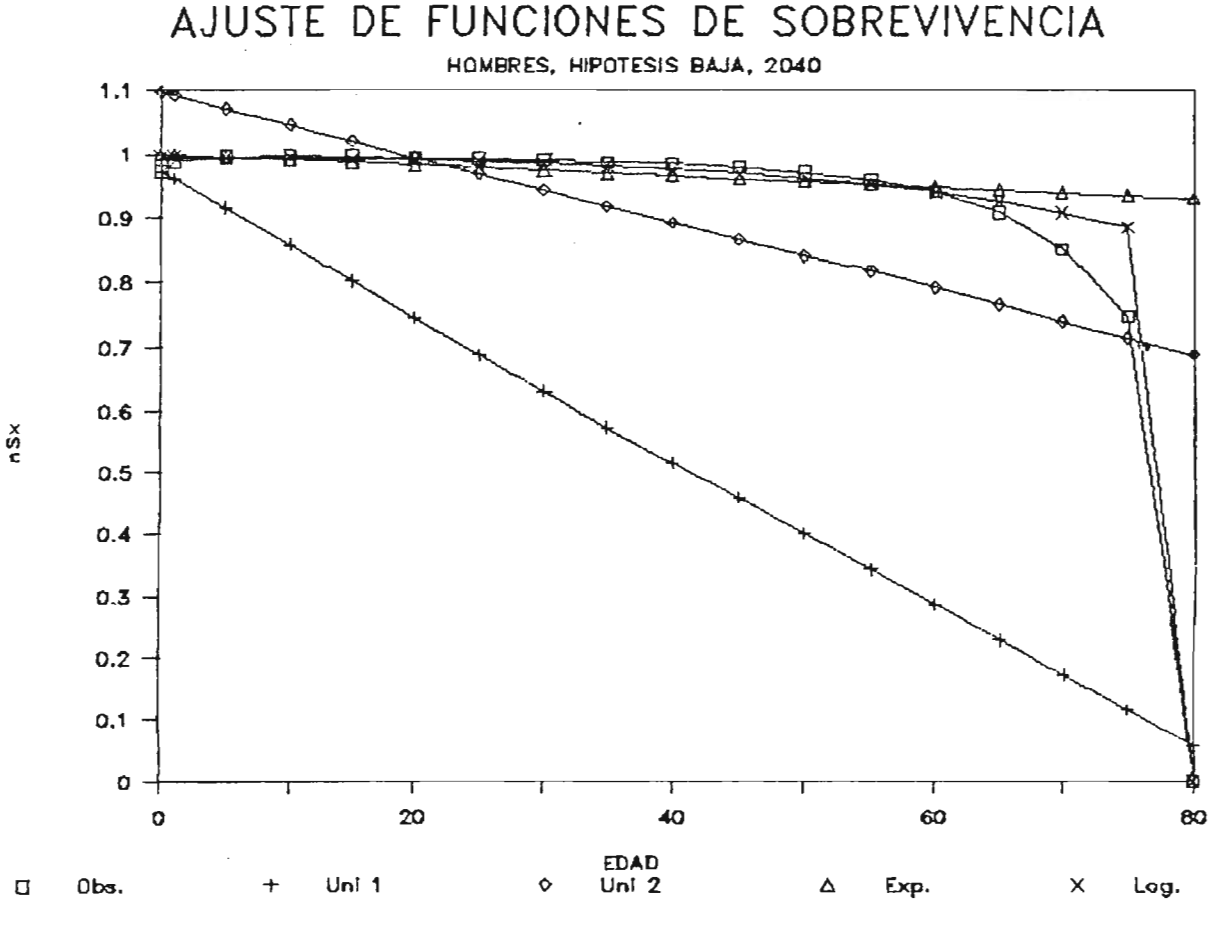
Gráfica 69 y 70





Gráfica 71 y 72





Cuadro 52

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, OBSERVADAS Y ESTIMADAS, 1975 - 2040

Hipótesis Baja

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
PROBABILIDADES OBSERVADAS														
0	0.90261	0.91322	0.92175	0.92875	0.93458	0.93952	0.94374	0.94740	0.95059	0.95310	0.95590	0.95813	0.96013	0.96194
5	0.99157	0.99241	0.99310	0.99366	0.99414	0.99455	0.99490	0.99520	0.99547	0.99570	0.99536	0.99610	0.99627	0.99643
10	0.99471	0.99524	0.99566	0.99602	0.99631	0.99656	0.99678	0.99697	0.99714	0.99729	0.99746	0.99754	0.99765	0.99774
15	0.99131	0.99215	0.99285	0.99342	0.99391	0.99432	0.99468	0.99499	0.99526	0.99550	0.99572	0.99592	0.99609	0.99625
20	0.98595	0.98729	0.98839	0.98931	0.99008	0.99074	0.99131	0.99181	0.99225	0.99265	0.99299	0.99331	0.99359	0.99385
25	0.98272	0.98433	0.98565	0.98676	0.98769	0.98849	0.98919	0.98980	0.99034	0.99081	0.99124	0.99163	0.99197	0.99229
30	0.97868	0.98061	0.98219	0.98353	0.98466	0.98563	0.98648	0.98722	0.98788	0.98846	0.98899	0.98946	0.98989	0.99028
35	0.97319	0.97552	0.97746	0.97909	0.98048	0.98168	0.98272	0.98364	0.98446	0.98519	0.98584	0.98643	0.98697	0.98746
40	0.96715	0.96988	0.97216	0.97409	0.97574	0.97718	0.97844	0.97954	0.98053	0.98141	0.98220	0.98292	0.98357	0.98417
45	0.95769	0.96101	0.96380	0.96618	0.96824	0.97003	0.97160	0.97300	0.97424	0.97536	0.97637	0.97728	0.97812	0.97888
50	0.94508	0.94909	0.95249	0.95541	0.95795	0.96018	0.96215	0.96390	0.96548	0.96689	0.96818	0.96934	0.97041	0.97139
55	0.92695	0.93178	0.93594	0.93955	0.94272	0.94551	0.94800	0.95023	0.95224	0.95406	0.95572	0.95724	0.95863	0.95991
60	0.89932	0.90514	0.91023	0.91471	0.91868	0.92222	0.92541	0.92828	0.93086	0.93327	0.93545	0.93746	0.93931	0.94102
65	0.85700	0.86383	0.86989	0.87532	0.88021	0.88462	0.88864	0.89230	0.89566	0.89875	0.90161	0.90425	0.90671	0.90900
70	0.79066	0.79808	0.80483	0.81099	0.81665	0.82185	0.82665	0.83109	0.83522	0.83906	0.84265	0.84601	0.84916	0.85212
75	0.68424	0.69101	0.69736	0.70331	0.70889	0.71414	0.71909	0.72374	0.72814	0.73230	0.73625	0.73999	0.74355	0.74693
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
PROBABILIDADES ESTIMADAS														
Gompertz														
0	1.01474	1.01076	1.00802	1.00609	1.00463	1.00353	1.00269	1.00203	1.00151	1.00119	1.00089	1.00045	1.00021	1.00001
5	1.01271	1.00921	1.00678	1.00507	1.00379	1.00281	1.00207	1.00149	1.00103	1.00075	1.00050	1.00010	0.99989	0.99972
10	1.01003	1.00711	1.00509	1.00367	1.00260	1.00179	1.00118	1.00070	1.00032	1.00011	0.99992	0.99957	0.99941	0.99927
15	1.00647	1.00428	1.00277	1.00171	1.00092	1.00034	0.99989	0.99955	0.99929	0.99917	0.99905	0.99879	0.99868	0.99860
20	1.00178	1.00047	0.99959	0.99901	0.99858	0.99827	0.99805	0.99790	0.99780	0.99779	0.99778	0.99763	0.99760	0.99759
25	0.99558	0.99535	0.99525	0.99525	0.99528	0.99534	0.99542	0.99551	0.99561	0.99577	0.99589	0.99589	0.99598	0.99607
30	0.98742	0.98847	0.98932	0.99005	0.99065	0.99118	0.99164	0.99205	0.99242	0.99279	0.99311	0.99332	0.99356	0.99378
35	0.97670	0.97926	0.98125	0.98286	0.98418	0.98529	0.98624	0.98706	0.98778	0.98843	0.98900	0.98948	0.98993	0.99034
40	0.96265	0.96694	0.97028	0.97295	0.97514	0.97698	0.97854	0.97988	0.98105	0.98205	0.98295	0.98379	0.98451	0.98517
45	0.94432	0.95055	0.95542	0.95933	0.96256	0.96526	0.96757	0.96955	0.97128	0.97275	0.97407	0.97536	0.97644	0.97742
50	0.92054	0.92885	0.93541	0.94070	0.94512	0.94884	0.95202	0.95478	0.95719	0.95922	0.96107	0.96293	0.96446	0.96585
55	0.88991	0.90032	0.90863	0.91540	0.92110	0.92595	0.93012	0.93376	0.93697	0.93967	0.94215	0.94468	0.94677	0.94866
60	0.85084	0.86317	0.87312	0.88134	0.88832	0.89432	0.89953	0.90412	0.90818	0.91164	0.91483	0.91810	0.92082	0.92330
65	0.80163	0.81540	0.82665	0.83606	0.84414	0.85116	0.85733	0.86281	0.86771	0.87193	0.87584	0.87985	0.88323	0.88634
70	0.74071	0.75503	0.76689	0.77692	0.78565	0.79332	0.80014	0.80625	0.81178	0.81664	0.82116	0.82574	0.82970	0.83336
75	0.66697	0.68052	0.69185	0.70157	0.71012	0.71772	0.72458	0.73079	0.73648	0.74163	0.74644	0.75117	0.75541	0.75939
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Cuadro 52
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS PROYECTADAS, OBSERVADAS Y ESTIMADAS, 1975 - 2040

Hipótesis Baja

EDAD	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
PROBABILIDADES ESTIMADAS														
Gompertz - Makeham														
0	1.05169	1.04796	1.04480	1.04212	1.03976	1.03769	1.03587	1.03426	1.03281	1.03151	1.03055	1.02923	1.02823	1.02733
5	1.04365	1.04045	1.03775	1.03547	1.03347	1.03172	1.03018	1.02881	1.02759	1.02650	1.02571	1.02458	1.02374	1.02298
10	1.03499	1.03243	1.03027	1.02846	1.02686	1.02546	1.02424	1.02315	1.02218	1.02130	1.02069	1.01977	1.01910	1.01850
15	1.02552	1.02373	1.02221	1.02093	1.01980	1.01881	1.01793	1.01715	1.01646	1.01583	1.01542	1.01473	1.01424	1.01380
20	1.01496	1.01410	1.01334	1.01270	1.01210	1.01157	1.01110	1.01068	1.01029	1.00994	1.00975	1.00932	1.00904	1.00879
25	1.00298	1.00322	1.00336	1.00346	1.00350	1.00351	1.00351	1.00349	1.00347	1.00344	1.00350	1.00336	1.00332	1.00328
30	0.98913	0.99067	0.99187	0.99285	0.99363	0.99428	0.99482	0.99529	0.99569	0.99603	0.99639	0.99659	0.99682	0.99703
35	0.97286	0.97590	0.97834	0.98033	0.98199	0.98338	0.98458	0.98560	0.98650	0.98729	0.98799	0.98861	0.98916	0.98966
40	0.95344	0.95820	0.96205	0.96523	0.96790	0.97016	0.97211	0.97381	0.97529	0.97661	0.97772	0.97882	0.97977	0.98062
45	0.93000	0.93665	0.94209	0.94660	0.95042	0.95370	0.95653	0.95900	0.96117	0.96311	0.96471	0.96639	0.96780	0.96907
50	0.90145	0.91011	0.91725	0.92323	0.92834	0.93274	0.93656	0.93992	0.94290	0.94555	0.94774	0.95009	0.95205	0.95383
55	0.86653	0.87718	0.88607	0.89356	0.90003	0.90564	0.91055	0.91489	0.91876	0.92222	0.92508	0.92820	0.93080	0.93316
60	0.82380	0.83624	0.84674	0.85568	0.86347	0.87029	0.87631	0.88166	0.88646	0.89079	0.89438	0.89833	0.90162	0.90464
65	0.77176	0.78551	0.79724	0.80735	0.81625	0.82411	0.83112	0.83741	0.84308	0.84824	0.85258	0.85731	0.86131	0.86500
70	0.70908	0.72325	0.73551	0.74621	0.75573	0.76423	0.77189	0.77882	0.78514	0.79094	0.79591	0.80124	0.80583	0.81009
75	0.63487	0.64820	0.65988	0.67021	0.67951	0.68792	0.69558	0.70260	0.70905	0.71505	0.72037	0.72584	0.73071	0.73528
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Fuente : Cuadros 24, 35 y 39.

Cuadro 53

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS
OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Baja

Edad	Observadas	Gompertz	% error	Gompertz Makeham	% error
			1 9 7 5		
0	0.90261	1.01474	-0.1121	1.05169	-0.1491
5	0.99157	1.01271	-0.0211	1.04365	-0.0521
10	0.99471	1.01003	-0.0153	1.03499	-0.0403
15	0.99131	1.00647	-0.0152	1.02552	-0.0342
20	0.98595	1.00178	-0.0158	1.01496	-0.0290
25	0.98272	0.99558	-0.0129	1.00298	-0.0203
30	0.97868	0.98742	-0.0087	0.98913	-0.0105
35	0.97319	0.97670	-0.0035	0.97286	0.0003
40	0.96715	0.96265	0.0045	0.95344	0.0137
45	0.95769	0.94432	0.0134	0.93000	0.0277
50	0.94508	0.92054	0.0245	0.90145	0.0436
55	0.92695	0.88991	0.0370	0.86653	0.0604
60	0.89932	0.85084	0.0485	0.82380	0.0755
65	0.85700	0.80163	0.0554	0.77176	0.0852
70	0.79066	0.74071	0.0499	0.70908	0.0816
75	0.68424	0.66697	0.0173	0.63487	0.0494
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			3.07		5.21
			1 9 8 0		
0	0.91322	1.01076	-0.0975	1.04796	-0.1347
5	0.99241	1.00921	-0.0168	1.04045	-0.0480
10	0.99524	1.00711	-0.0119	1.03243	-0.0372
15	0.99215	1.00428	-0.0121	1.02373	-0.0316
20	0.98729	1.00047	-0.0132	1.01410	-0.0268
25	0.98433	0.99535	-0.0110	1.00322	-0.0189
30	0.98061	0.98847	-0.0079	0.99067	-0.0101
35	0.97552	0.97926	-0.0037	0.97590	-0.0004
40	0.96988	0.96694	0.0029	0.95820	0.0117
45	0.96101	0.95055	0.0105	0.93665	0.0244
50	0.94909	0.92885	0.0202	0.91011	0.0390
55	0.93178	0.90032	0.0315	0.87718	0.0546
60	0.90514	0.86317	0.0420	0.83624	0.0689
65	0.86383	0.81540	0.0484	0.78551	0.0783
70	0.79808	0.75503	0.0430	0.72325	0.0748
75	0.69101	0.68052	0.0105	0.64820	0.0428
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			2.57		4.72

Cuadro 53
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS
OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Baja

Edad	Observadas	Gompertz	% error	Gompertz Makeham	% error
			1 9 8 5		
0	0.92175	1.00802	-0.0863	1.04480	-0.1230
5	0.99310	1.00678	-0.0137	1.03775	-0.0446
10	0.99566	1.00509	-0.0094	1.03027	-0.0346
15	0.99285	1.00277	-0.0099	1.02221	-0.0294
20	0.98839	0.99959	-0.0112	1.01334	-0.0250
25	0.98565	0.99525	-0.0096	1.00336	-0.0177
30	0.98219	0.98932	-0.0071	0.99187	-0.0097
35	0.97746	0.98125	-0.0038	0.97834	-0.0009
40	0.97216	0.97028	0.0019	0.96205	0.0101
45	0.96380	0.95542	0.0084	0.94209	0.0217
50	0.95249	0.93541	0.0171	0.91725	0.0352
55	0.93594	0.90863	0.0273	0.88607	0.0499
60	0.91023	0.87312	0.0371	0.84674	0.0635
65	0.86989	0.82665	0.0432	0.79724	0.0727
70	0.80483	0.76689	0.0379	0.73551	0.0693
75	0.69736	0.69185	0.0055	0.65988	0.0375
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			2.20		4.31
			1 9 9 0		
0	0.92875	1.00609	-0.0773	1.04212	-0.1134
5	0.99366	1.00507	-0.0114	1.03547	-0.0418
10	0.99602	1.00367	-0.0076	1.02846	-0.0324
15	0.99342	1.00171	-0.0083	1.02093	-0.0275
20	0.98931	0.99901	-0.0097	1.01270	-0.0234
25	0.98676	0.99525	-0.0085	1.00346	-0.0167
30	0.98353	0.99005	-0.0065	0.99285	-0.0093
35	0.97909	0.98286	-0.0038	0.98033	-0.0012
40	0.97409	0.97295	0.0011	0.96523	0.0089
45	0.96618	0.95933	0.0069	0.94660	0.0196
50	0.95541	0.94070	0.0147	0.92323	0.0322
55	0.93955	0.91540	0.0241	0.89356	0.0460
60	0.91471	0.88134	0.0334	0.85568	0.0590
65	0.87532	0.83606	0.0393	0.80735	0.0680
70	0.81099	0.77692	0.0341	0.74621	0.0648
75	0.70331	0.70157	0.0017	0.67021	0.0331
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.92		3.98

Cuadro 53
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS
OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Baja

Edad	Observadas	Gompertz	% error	Gompertz Makeham	% error
			1995		
0	0.93458	1.00463	-0.0701	1.03976	-0.1052
5	0.99414	1.00379	-0.0096	1.03347	-0.0393
10	0.99631	1.00260	-0.0063	1.02686	-0.0305
15	0.99391	1.00092	-0.0070	1.01980	-0.0259
20	0.99008	0.99858	-0.0085	1.01210	-0.0220
25	0.98769	0.99528	-0.0076	1.00350	-0.0158
30	0.98466	0.99065	-0.0060	0.99363	-0.0090
35	0.98048	0.98418	-0.0037	0.98199	-0.0015
40	0.97574	0.97514	0.0006	0.96790	0.0078
45	0.96824	0.96256	0.0057	0.95042	0.0178
50	0.95795	0.94512	0.0128	0.92834	0.0296
55	0.94272	0.92110	0.0216	0.90003	0.0427
60	0.91868	0.88832	0.0304	0.86347	0.0552
65	0.88021	0.84414	0.0361	0.81625	0.0640
70	0.81665	0.78565	0.0310	0.75573	0.0609
75	0.70889	0.71012	-0.0012	0.67951	0.0294
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.72		3.70
			2000		
0	0.93952	1.00353	-0.0640	1.03769	-0.0982
5	0.99455	1.00281	-0.0083	1.03172	-0.0372
10	0.99656	1.00179	-0.0052	1.02546	-0.0289
15	0.99432	1.00034	-0.0060	1.01881	-0.0245
20	0.99074	0.99827	-0.0075	1.01157	-0.0208
25	0.98849	0.99534	-0.0068	1.00351	-0.0150
30	0.98563	0.99118	-0.0055	0.99428	-0.0086
35	0.98168	0.98529	-0.0036	0.98338	-0.0017
40	0.97718	0.97698	0.0002	0.97016	0.0070
45	0.97003	0.96526	0.0048	0.95370	0.0163
50	0.96018	0.94884	0.0113	0.93274	0.0274
55	0.94551	0.92595	0.0196	0.90564	0.0399
60	0.92222	0.89432	0.0279	0.87029	0.0519
65	0.88462	0.85116	0.0335	0.82411	0.0605
70	0.82185	0.79332	0.0285	0.76423	0.0576
75	0.71414	0.71772	-0.0036	0.68792	0.0262
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.57		3.46

Cuadro 53
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS
OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Baja

Edad	Observadas	Gompertz	% error	Gompertz Makeham	% error
			2015		
0	0.95059	1.00151	-0.0509	1.03281	-0.0822
5	0.99547	1.00103	-0.0056	1.02759	-0.0321
10	0.99714	1.00032	-0.0032	1.02218	-0.0250
15	0.99526	0.99929	-0.0040	1.01646	-0.0212
20	0.99225	0.99780	-0.0055	1.01029	-0.0180
25	0.99034	0.99561	-0.0053	1.00347	-0.0131
30	0.98788	0.99242	-0.0045	0.99569	-0.0078
35	0.98446	0.98778	-0.0033	0.98650	-0.0020
40	0.98053	0.98105	-0.0005	0.97529	0.0052
45	0.97424	0.97128	0.0030	0.96117	0.0131
50	0.96548	0.95719	0.0083	0.94290	0.0226
55	0.95224	0.93697	0.0153	0.91876	0.0335
60	0.93086	0.90818	0.0227	0.88646	0.0444
65	0.89566	0.86771	0.0280	0.84308	0.0526
70	0.83522	0.81178	0.0234	0.78514	0.0501
75	0.72814	0.73648	-0.0083	0.70905	0.0191
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.27		2.92
			2020		
0	0.95310	1.00119	-0.0481	1.03151	-0.0784
5	0.99570	1.00075	-0.0051	1.02650	-0.0308
10	0.99729	1.00011	-0.0028	1.02130	-0.0240
15	0.99550	0.99917	-0.0037	1.01583	-0.0203
20	0.99265	0.99779	-0.0051	1.00994	-0.0173
25	0.99081	0.99577	-0.0050	1.00344	-0.0126
30	0.98846	0.99279	-0.0043	0.99603	-0.0076
35	0.98519	0.98843	-0.0032	0.98729	-0.0021
40	0.98141	0.98205	-0.0006	0.97661	0.0048
45	0.97536	0.97275	0.0026	0.96311	0.0123
50	0.96689	0.95922	0.0077	0.94555	0.0213
55	0.95406	0.93967	0.0144	0.92222	0.0318
60	0.93327	0.91164	0.0216	0.89079	0.0425
65	0.89875	0.87193	0.0268	0.84824	0.0505
70	0.83906	0.81664	0.0224	0.79094	0.0481
75	0.73230	0.74163	-0.0093	0.71505	0.0172
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.20		2.78

Cuadro 53
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS
OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Baja

Edad	Observadas	Gompertz	% error	Gompertz Makeham	% error
			2025		
0	0.95590	1.00089	-0.0450	1.03055	-0.0747
5	0.99536	1.00050	-0.0051	1.02571	-0.0303
10	0.99746	0.99992	-0.0025	1.02069	-0.0232
15	0.99572	0.99905	-0.0033	1.01542	-0.0197
20	0.99299	0.99778	-0.0048	1.00975	-0.0168
25	0.99124	0.99589	-0.0047	1.00350	-0.0123
30	0.98899	0.99311	-0.0041	0.99639	-0.0074
35	0.98584	0.98900	-0.0032	0.98799	-0.0022
40	0.98220	0.98295	-0.0008	0.97772	0.0045
45	0.97637	0.97407	0.0023	0.96471	0.0117
50	0.96818	0.96107	0.0071	0.94774	0.0204
55	0.95572	0.94215	0.0136	0.92508	0.0306
60	0.93545	0.91483	0.0206	0.89438	0.0411
65	0.90161	0.87584	0.0258	0.85258	0.0490
70	0.84265	0.82116	0.0215	0.79591	0.0467
75	0.73625	0.74644	-0.0102	0.72037	0.0159
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.15		2.67
			2030		
0	0.95813	1.00045	-0.0423	1.02923	-0.0711
5	0.99610	1.00010	-0.0040	1.02458	-0.0285
10	0.99754	0.99957	-0.0020	1.01977	-0.0222
15	0.99592	0.99879	-0.0029	1.01473	-0.0188
20	0.99331	0.99763	-0.0043	1.00932	-0.0160
25	0.99163	0.99589	-0.0043	1.00336	-0.0117
30	0.98946	0.99332	-0.0039	0.99659	-0.0071
35	0.98643	0.98948	-0.0030	0.98861	-0.0022
40	0.98292	0.98379	-0.0009	0.97882	0.0041
45	0.97728	0.97536	0.0019	0.96639	0.0109
50	0.96934	0.96293	0.0064	0.95009	0.0192
55	0.95724	0.94468	0.0126	0.92820	0.0290
60	0.93746	0.91810	0.0194	0.89833	0.0391
65	0.90425	0.87985	0.0244	0.85731	0.0469
70	0.84601	0.82574	0.0203	0.80124	0.0448
75	0.73999	0.75117	-0.0112	0.72584	0.0141
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.08		2.54

Cuadro 53
(Continuación)

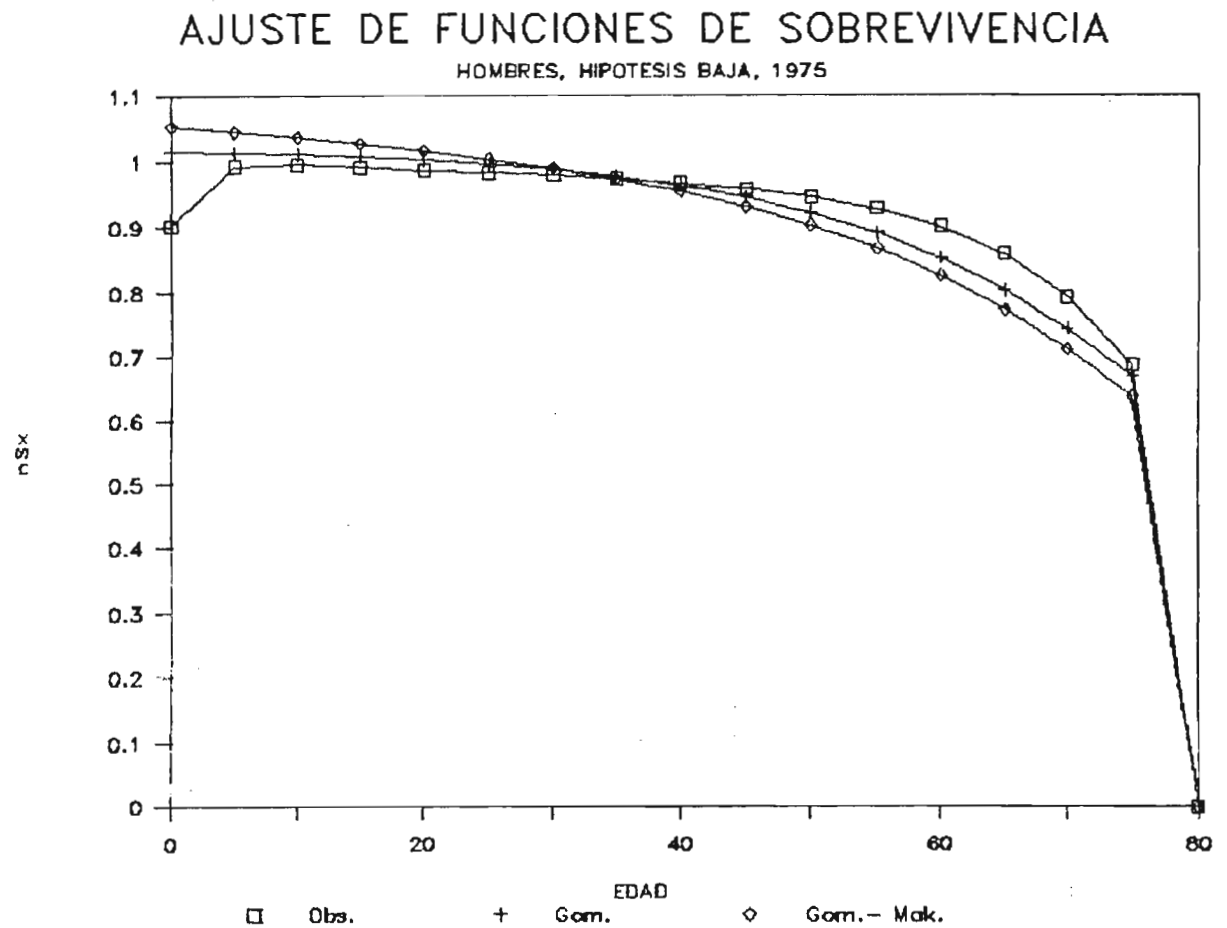
COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA MASCULINAS
OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

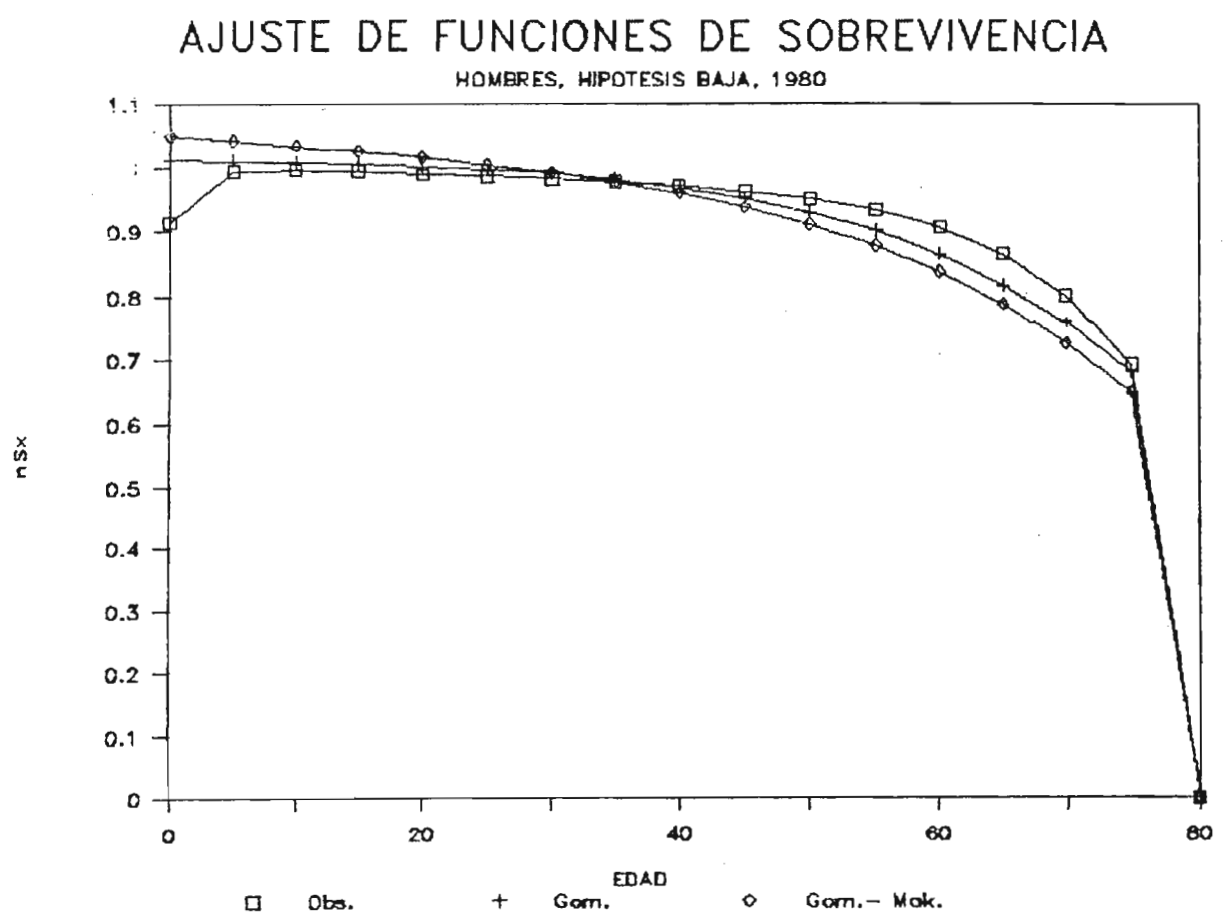
Hipótesis Baja

Edad	Observadas	Gompertz	% error	Gompertz Makeham	% error
			2035		
0	0.96013	1.00021	-0.0401	1.02823	-0.0681
5	0.99627	0.99989	-0.0036	1.02374	-0.0275
10	0.99765	0.99941	-0.0018	1.01910	-0.0215
15	0.99609	0.99868	-0.0026	1.01424	-0.0182
20	0.99359	0.99760	-0.0040	1.00904	-0.0154
25	0.99197	0.99598	-0.0040	1.00332	-0.0114
30	0.98989	0.99356	-0.0037	0.99682	-0.0069
35	0.98697	0.98993	-0.0030	0.98916	-0.0022
40	0.98357	0.98451	-0.0009	0.97977	0.0038
45	0.97812	0.97644	0.0017	0.96780	0.0103
50	0.97041	0.96446	0.0059	0.95205	0.0184
55	0.95863	0.94677	0.0119	0.93080	0.0278
60	0.93931	0.92082	0.0185	0.90162	0.0377
65	0.90671	0.88323	0.0235	0.86131	0.0454
70	0.84916	0.82970	0.0195	0.80583	0.0433
75	0.74355	0.75541	-0.0119	0.73071	0.0128
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.03		2.43
			2040		
0	0.96194	1.00001	-0.0381	1.02733	-0.0654
5	0.99643	0.99972	-0.0033	1.02298	-0.0266
10	0.99774	0.99927	-0.0015	1.01850	-0.0208
15	0.99625	0.99860	-0.0024	1.01380	-0.0176
20	0.99385	0.99759	-0.0037	1.00879	-0.0149
25	0.99229	0.99607	-0.0038	1.00328	-0.0110
30	0.99028	0.99378	-0.0035	0.99703	-0.0068
35	0.98746	0.99034	-0.0029	0.98966	-0.0022
40	0.98417	0.98517	-0.0010	0.98062	0.0036
45	0.97888	0.97742	0.0015	0.96907	0.0098
50	0.97139	0.96585	0.0055	0.95383	0.0176
55	0.95991	0.94866	0.0113	0.93316	0.0268
60	0.94102	0.92330	0.0177	0.90464	0.0364
65	0.90900	0.88634	0.0227	0.86500	0.0440
70	0.85212	0.83336	0.0188	0.81009	0.0420
75	0.74693	0.75939	-0.0125	0.73528	0.0117
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			0.98		2.34

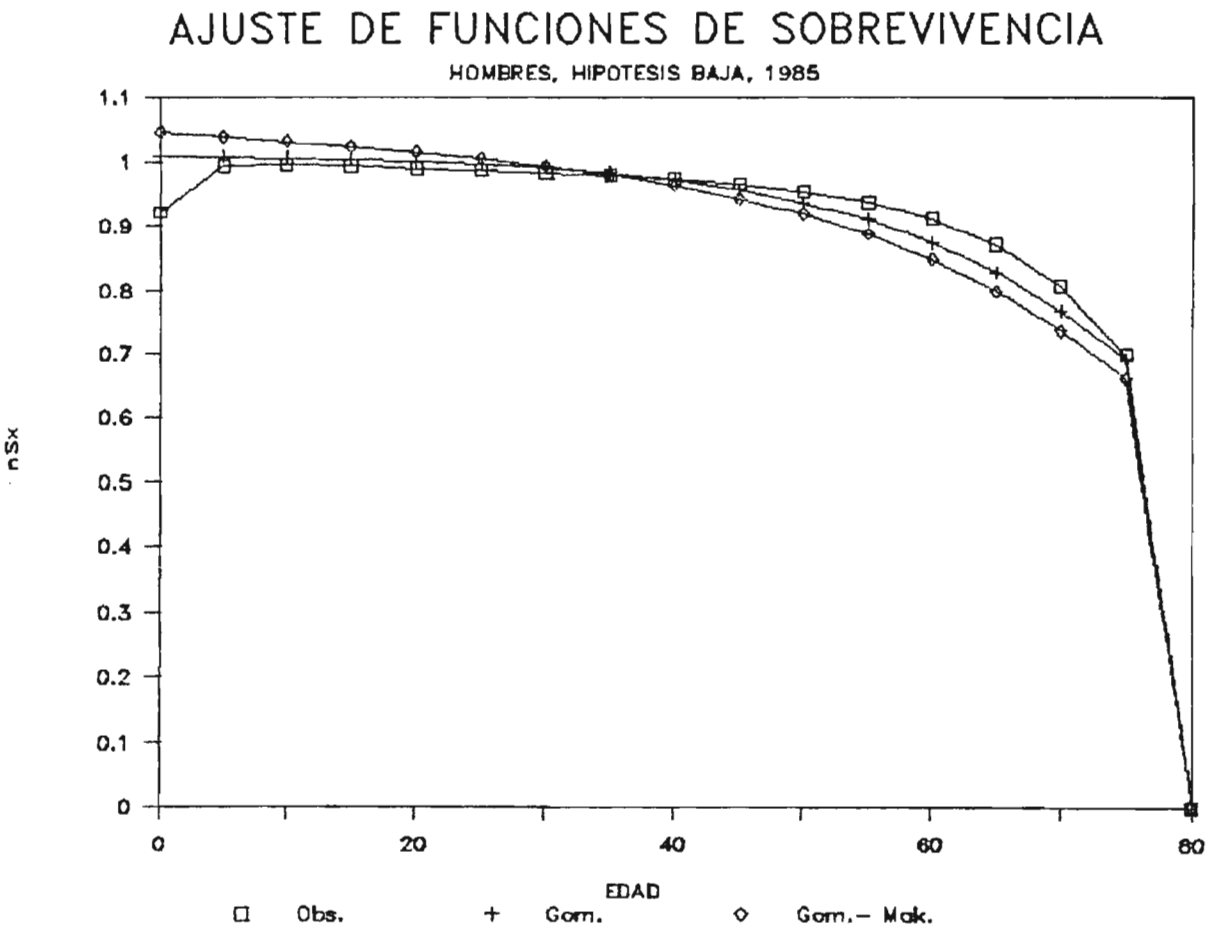
Fuente: Cuadro 52.

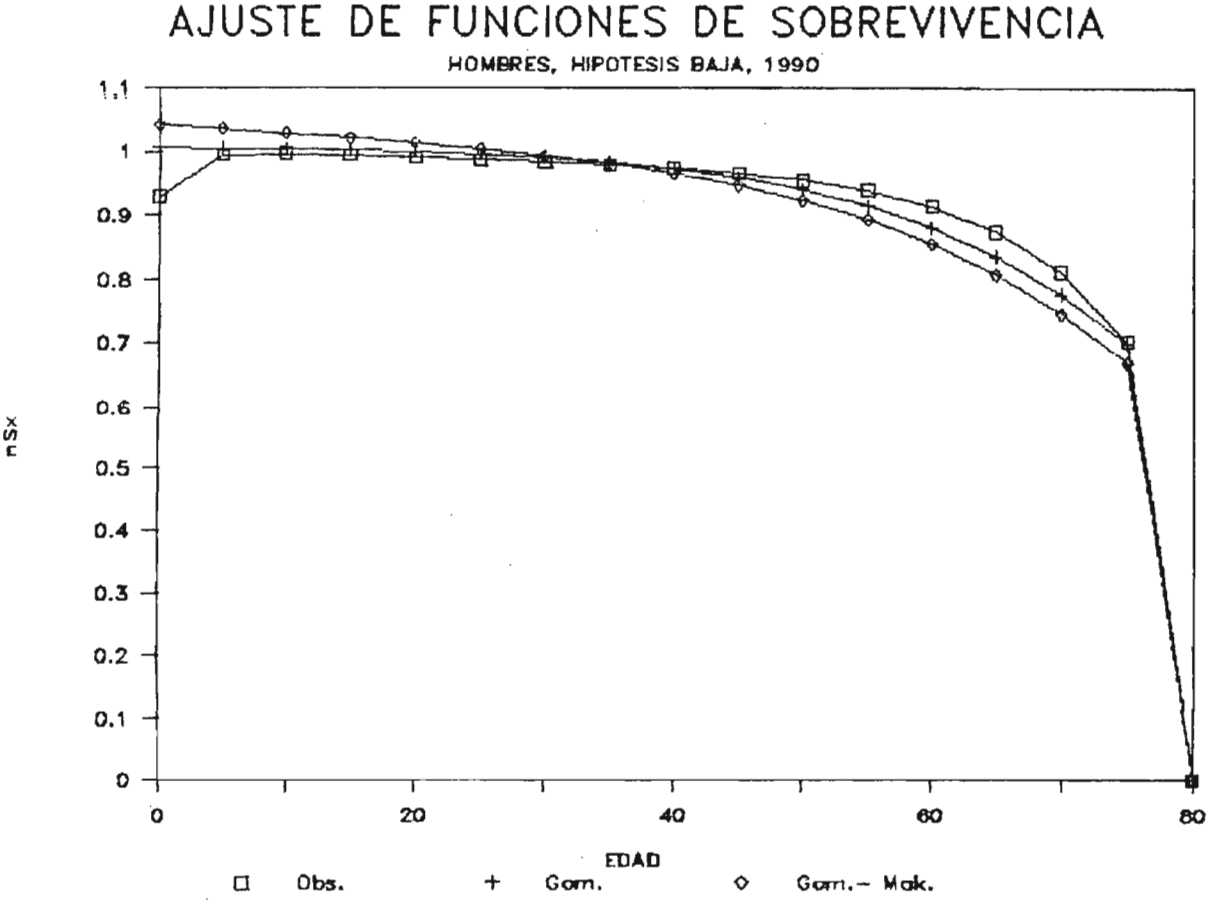
Gráfica 73 y 74



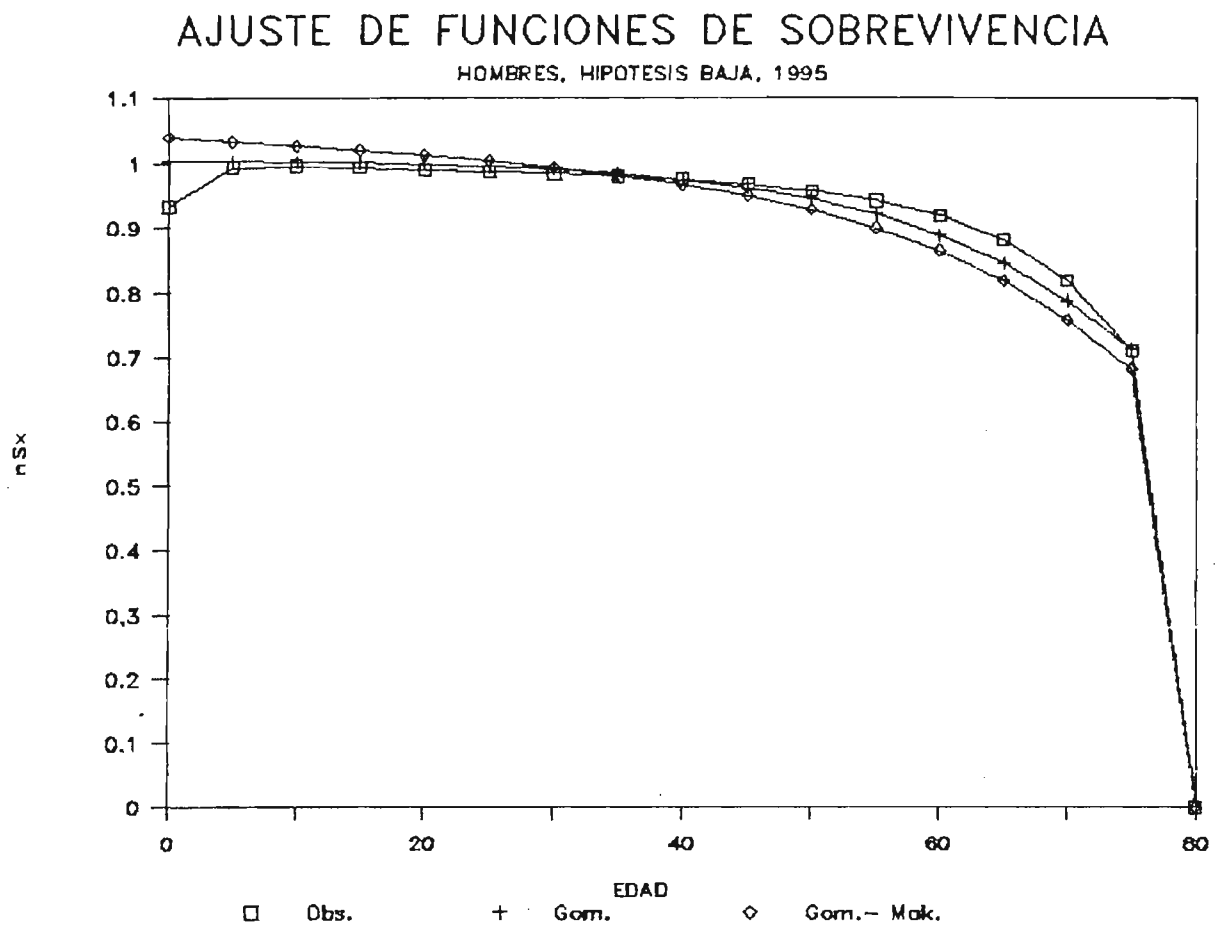


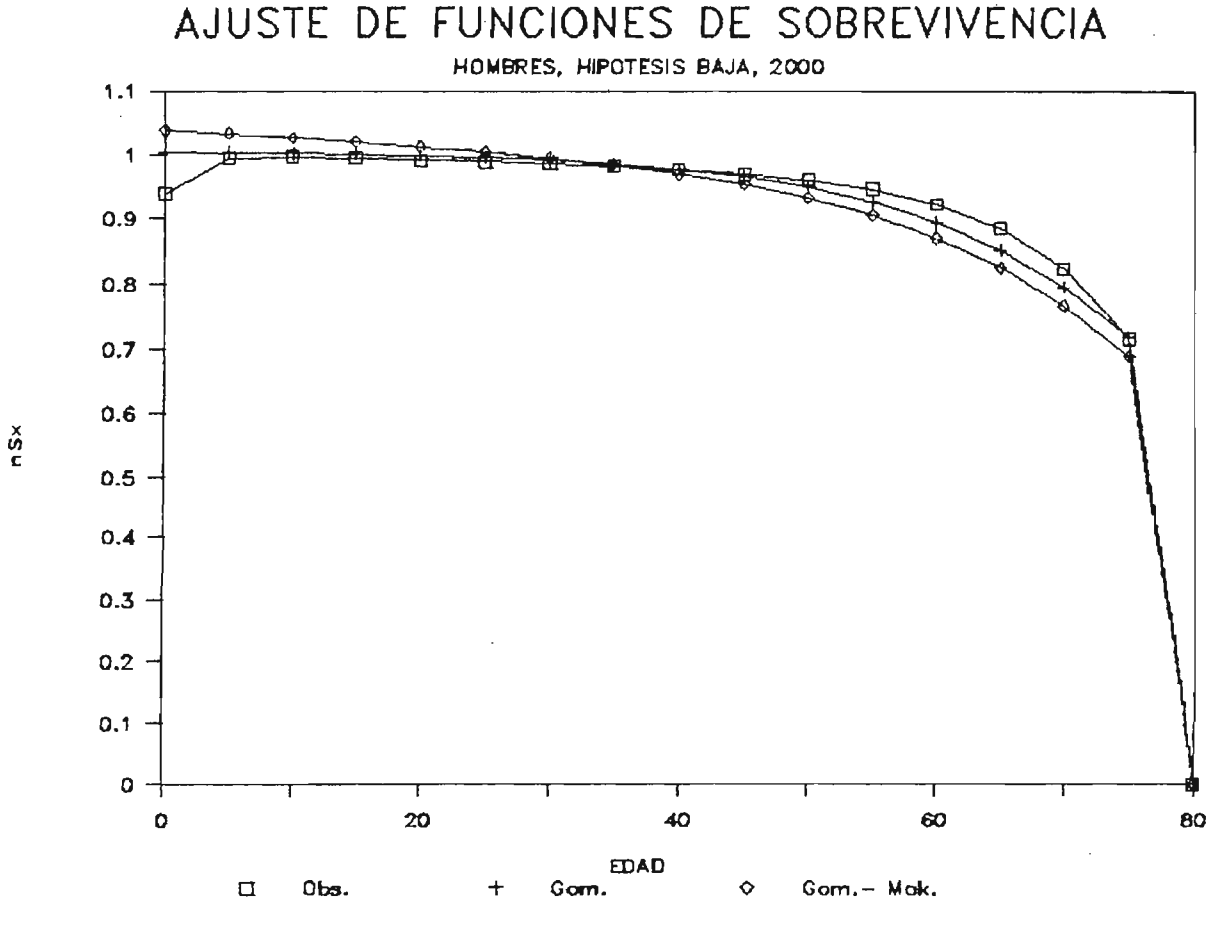
Gráfica 75 y 76



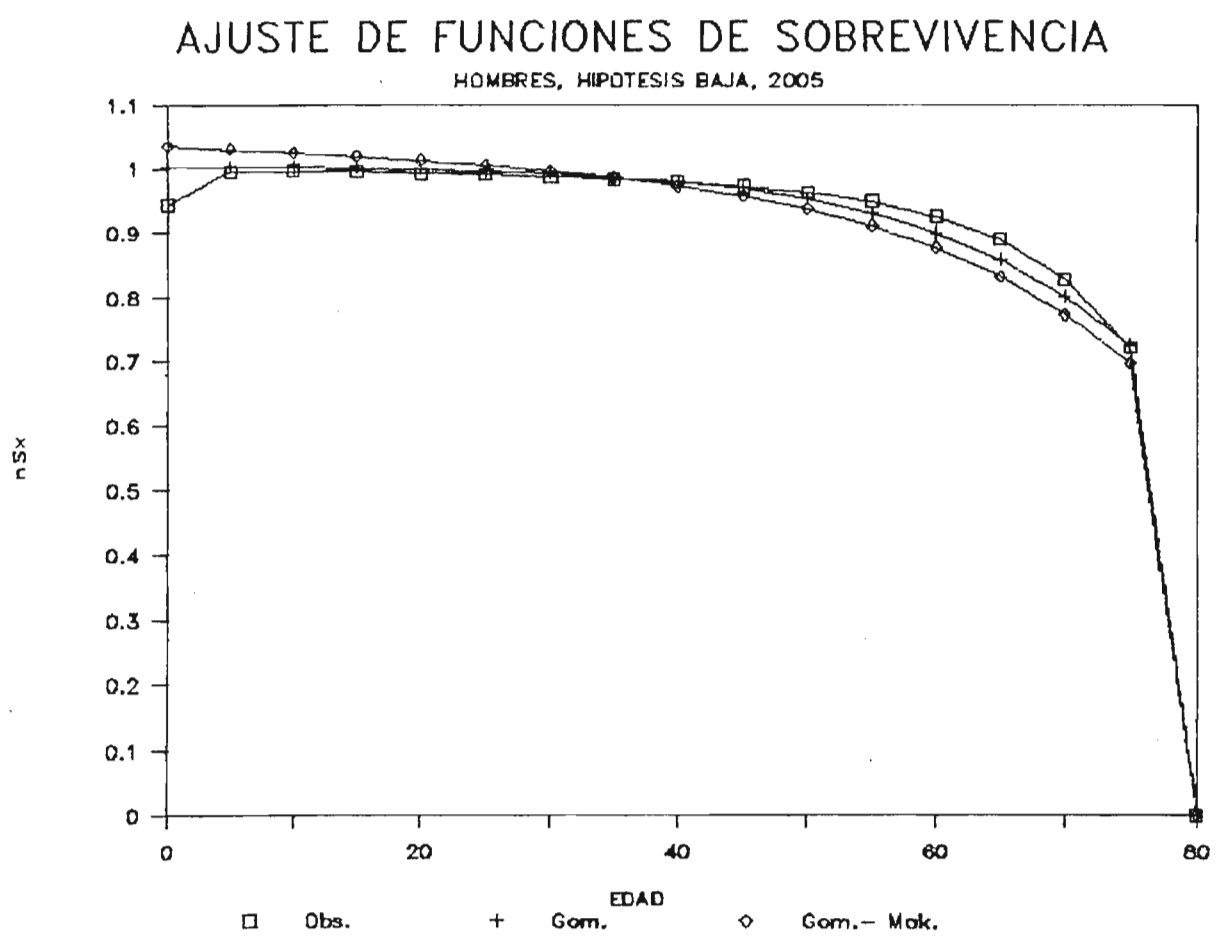


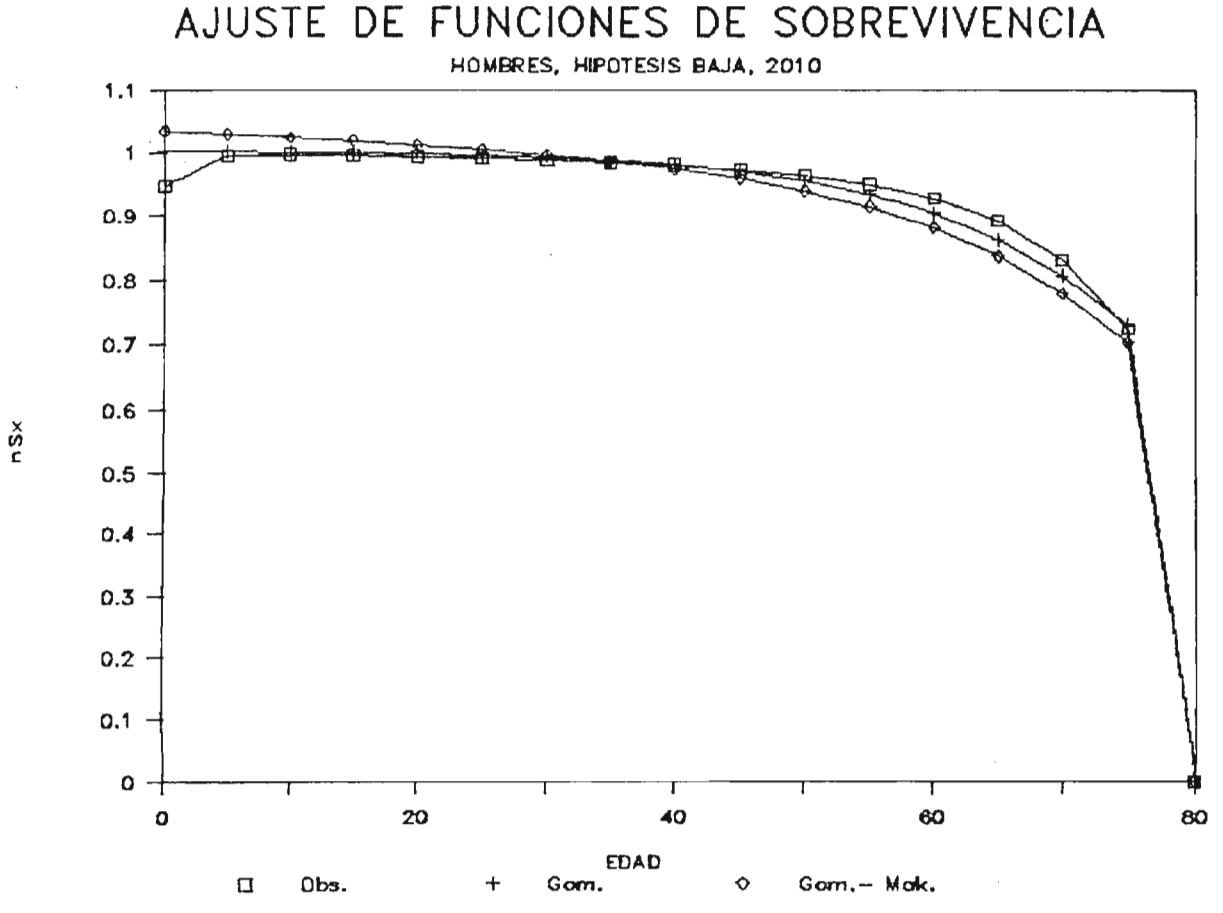
Gráfica 77 y 78



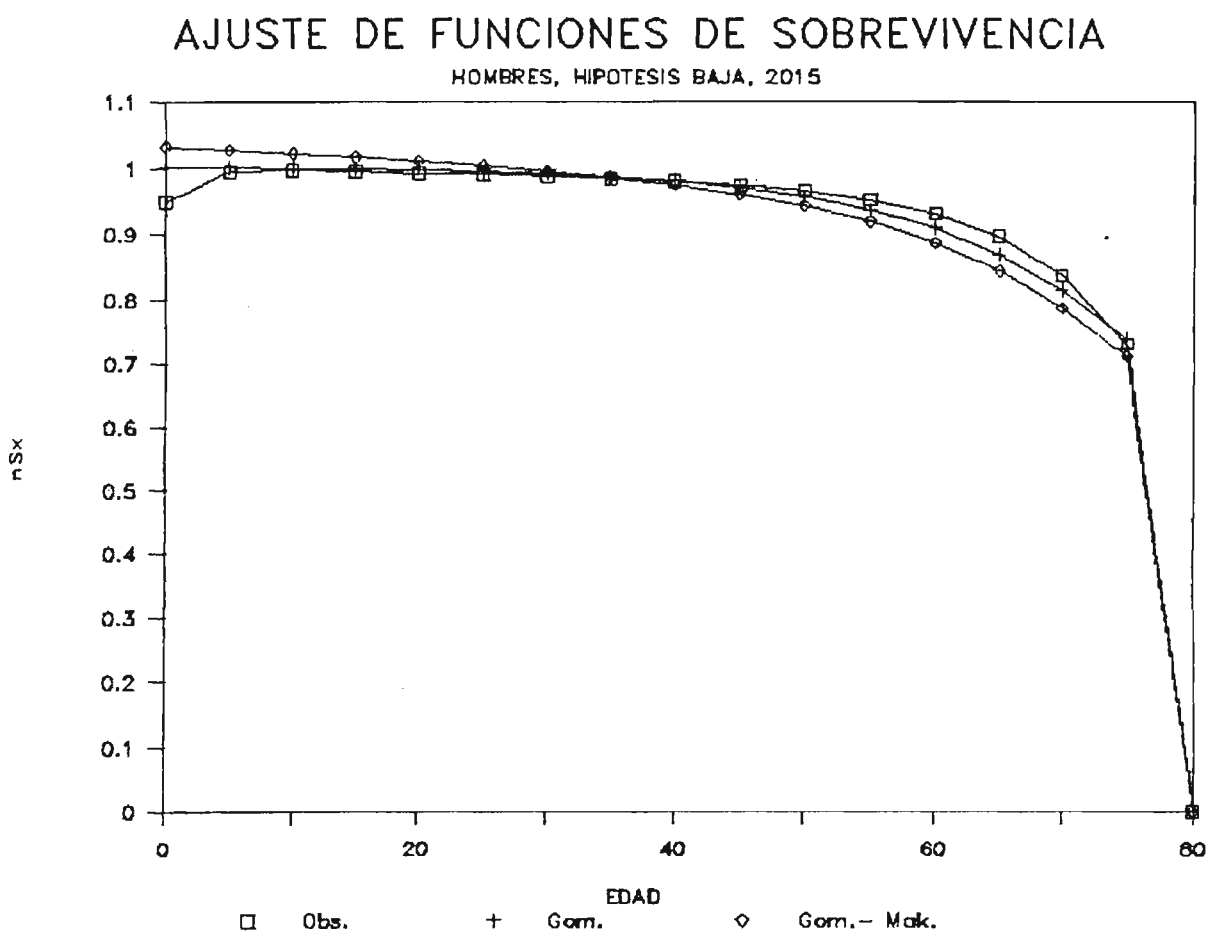


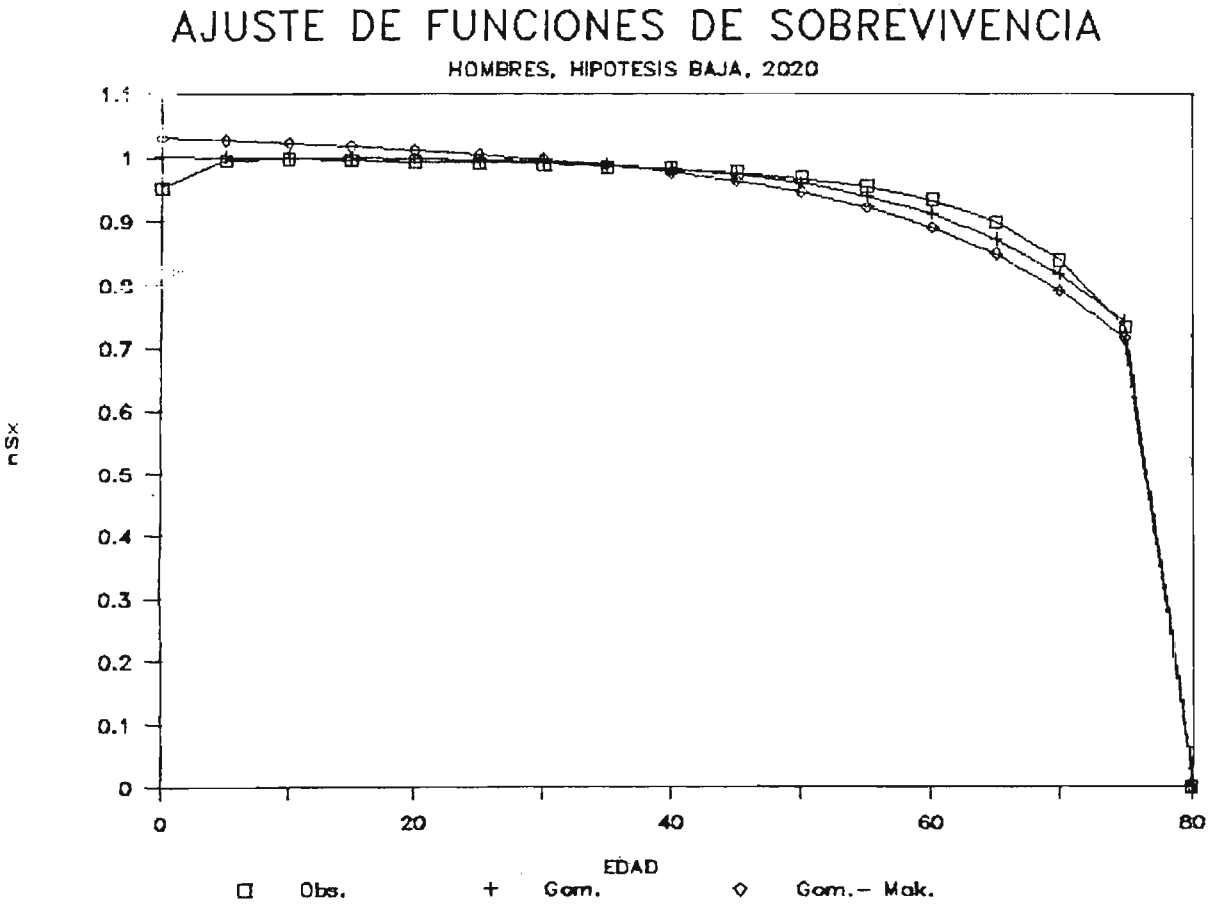
Gráfica 79 y 80



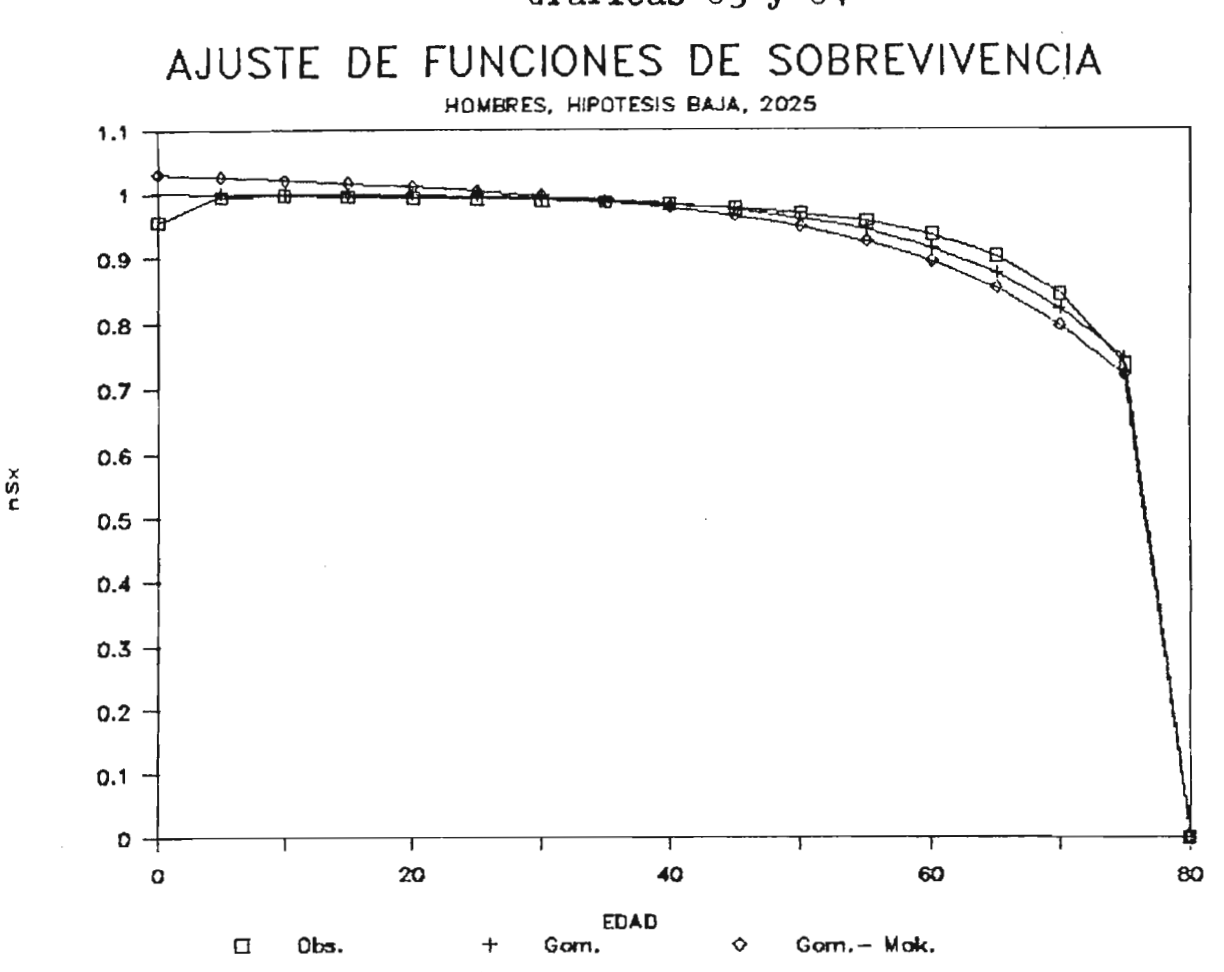


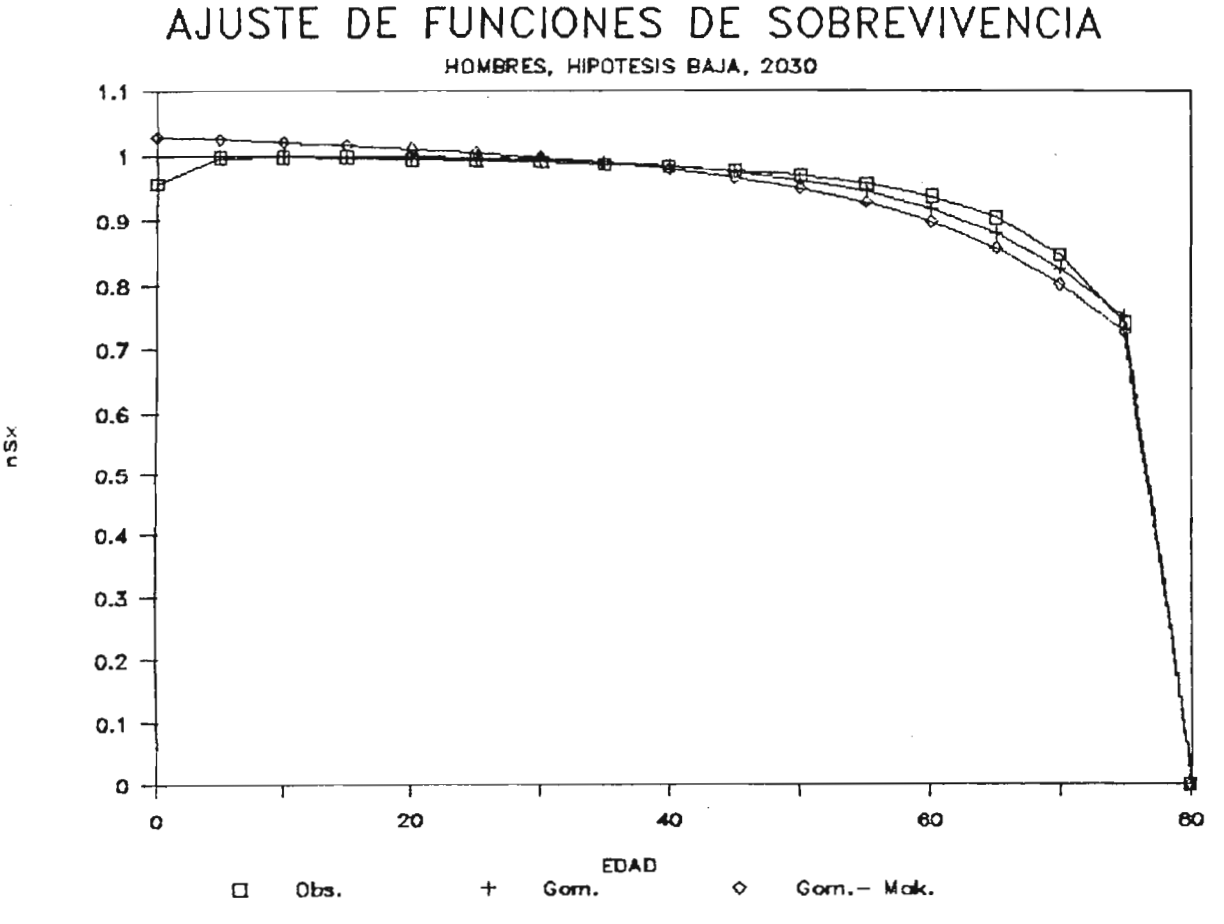
Gráficas 81 y 82



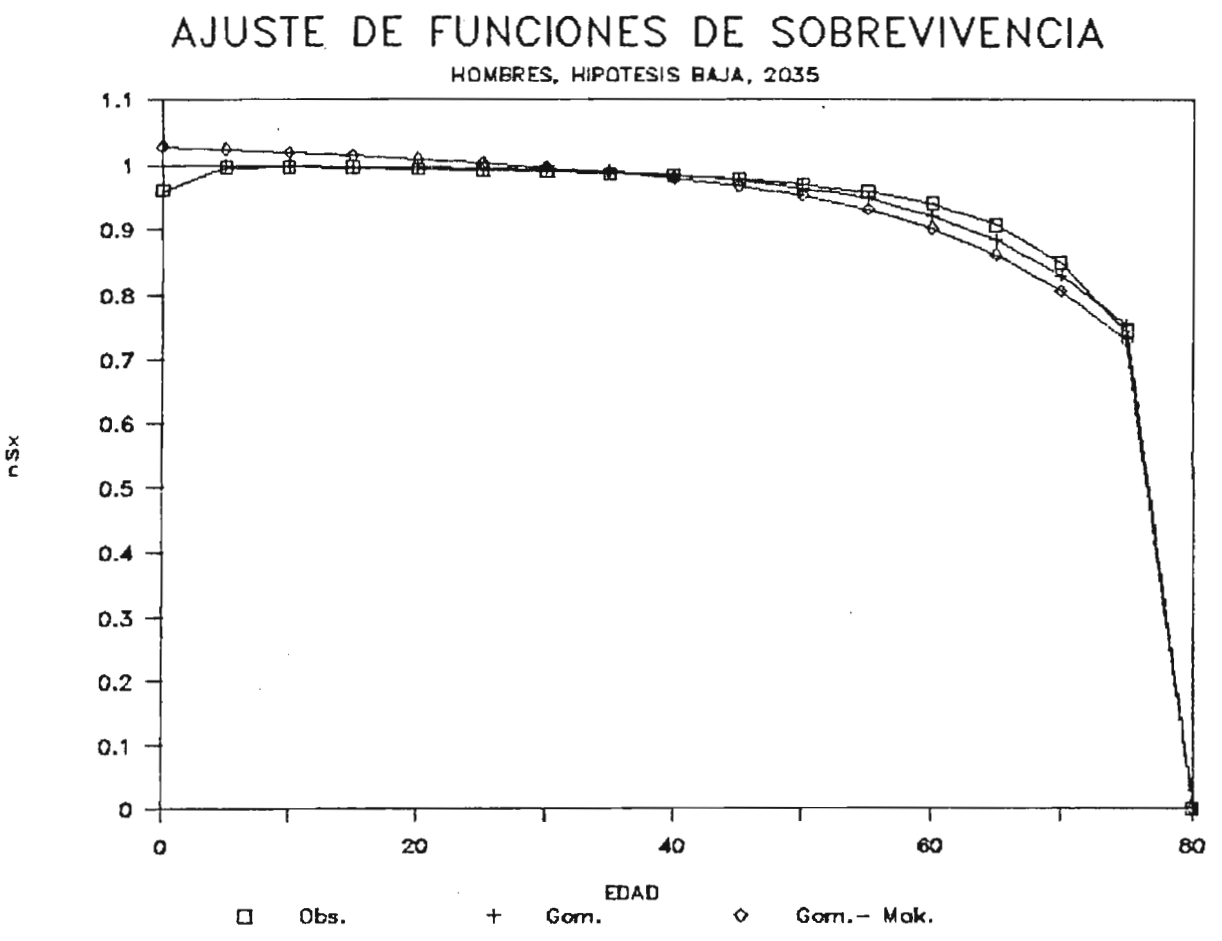


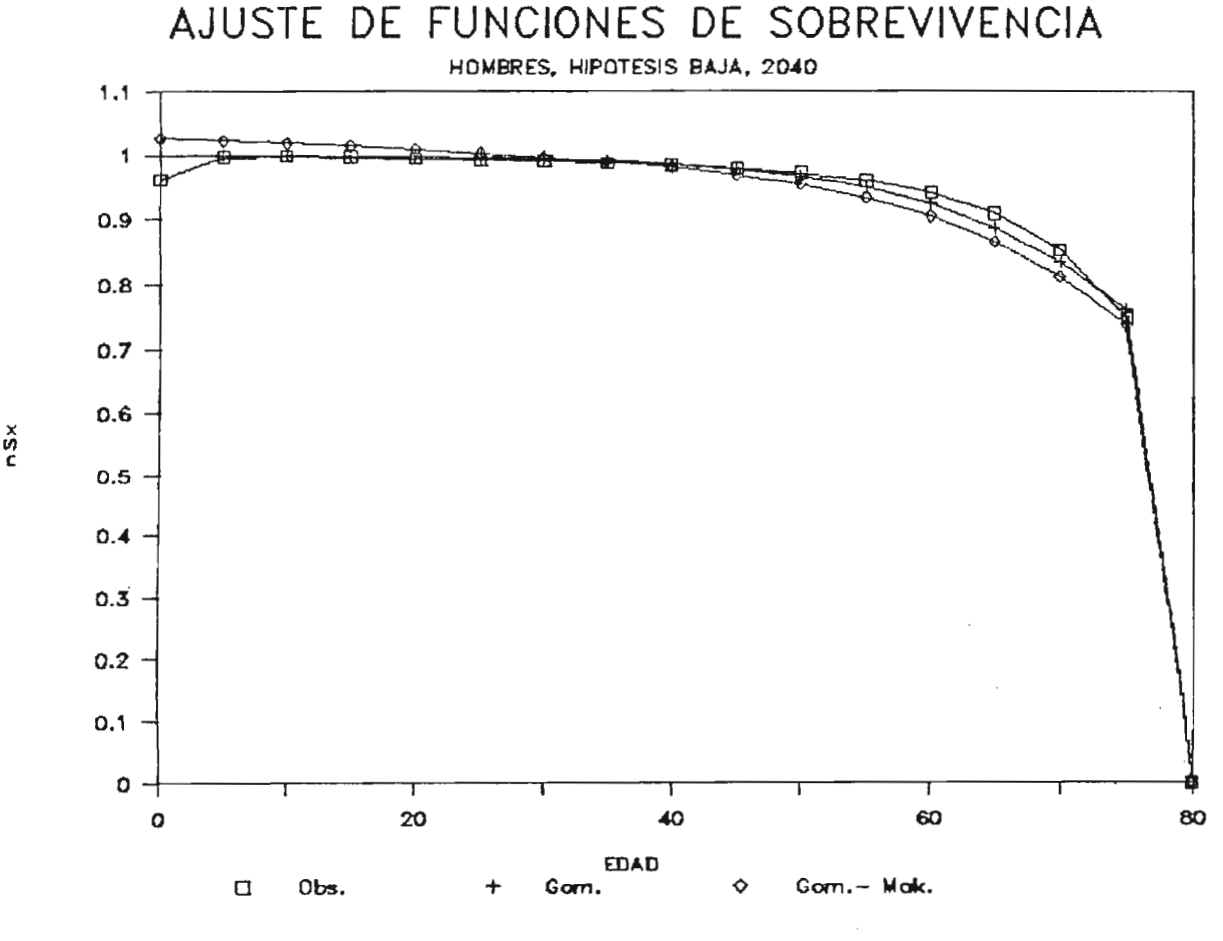
Gráficas 83 y 84





Gráficas 85 y 86





Cuadro 54

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS PROYECTADAS, OBSERVADAS Y ESTIMADAS, 1980 - 2040

Hipótesis Alta

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
						PROBABILIDADES OBSERVADAS							
0	0.95126	0.95671	0.96098	0.96437	0.96709	0.96931	0.97115	0.97267	0.97395	0.97503	0.97596	0.97675	0.97744
1	0.97420	0.97677	0.97881	0.98044	0.98176	0.98284	0.98373	0.98448	0.98510	0.98563	0.98607	0.98646	0.98679
5	0.99312	0.99379	0.99432	0.99474	0.99509	0.99537	0.99560	0.99580	0.99596	0.99610	0.99621	0.99631	0.99640
10	0.99628	0.99664	0.99693	0.99715	0.99734	0.99749	0.99762	0.99772	0.99781	0.99788	0.99794	0.99800	0.99804
15	0.99478	0.99528	0.99568	0.99599	0.99625	0.99646	0.99664	0.99678	0.99691	0.99701	0.99710	0.99717	0.99723
20	0.99195	0.99271	0.99332	0.99380	0.99419	0.99452	0.99479	0.99501	0.99519	0.99535	0.99548	0.99560	0.99570
25	0.98956	0.99053	0.99130	0.99192	0.99242	0.99284	0.99318	0.99347	0.99370	0.99391	0.99408	0.99422	0.99435
30	0.98672	0.98792	0.98888	0.98966	0.99029	0.99081	0.99124	0.99160	0.99190	0.99215	0.99236	0.99255	0.99270
35	0.98337	0.98484	0.98601	0.98696	0.98774	0.98838	0.98891	0.98935	0.98972	0.99003	0.99030	0.99052	0.99071
40	0.97983	0.98185	0.98294	0.98406	0.98499	0.98574	0.98637	0.98690	0.98734	0.98771	0.98802	0.98829	0.98852
45	0.97363	0.97580	0.97755	0.97897	0.98014	0.98111	0.98191	0.98258	0.98314	0.98361	0.98401	0.98435	0.98464
50	0.96346	0.96630	0.96862	0.97051	0.97207	0.97336	0.97444	0.97533	0.97609	0.97672	0.97725	0.97771	0.97810
55	0.94890	0.95260	0.95563	0.95813	0.96020	0.96192	0.96335	0.96455	0.96556	0.96640	0.96712	0.96772	0.96823
60	0.92597	0.93080	0.93481	0.93815	0.94092	0.94324	0.94517	0.94680	0.94816	0.94931	0.95027	0.95109	0.95177
65	0.88877	0.89501	0.90026	0.90467	0.90837	0.91148	0.91409	0.91628	0.91812	0.91966	0.92096	0.92205	0.92296
70	0.82649	0.83412	0.84065	0.84623	0.85096	0.85496	0.85834	0.86118	0.86356	0.86555	0.86721	0.86859	0.86973
75	0.71913	0.72719	0.73425	0.74038	0.74565	0.75014	0.75394	0.75712	0.75978	0.76197	0.76376	0.76521	0.76635
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
						PROBABILIDADES ESTIMADAS							
						Uniforme 1							
0	0.95126	0.95671	0.96098	0.96437	0.96709	0.96931	0.97115	0.97267	0.97395	0.97503	0.97596	0.97675	0.97744
1	0.94007	0.94545	0.94967	0.95302	0.95571	0.95791	0.95972	0.96123	0.96249	0.96356	0.96448	0.96526	0.96594
5	0.89530	0.90043	0.90445	0.90764	0.91020	0.91229	0.91402	0.91545	0.91666	0.91768	0.91855	0.91929	0.91994
10	0.83935	0.84416	0.84792	0.85091	0.85331	0.85527	0.85690	0.85824	0.85937	0.86032	0.86114	0.86184	0.86245
15	0.78339	0.78788	0.79140	0.79419	0.79643	0.79826	0.79977	0.80102	0.80208	0.80297	0.80373	0.80438	0.80495
20	0.72743	0.73160	0.73487	0.73746	0.73954	0.74124	0.74264	0.74381	0.74479	0.74561	0.74632	0.74693	0.74745
25	0.67148	0.67532	0.67834	0.68073	0.68265	0.68422	0.68552	0.68659	0.68749	0.68826	0.68891	0.68947	0.68996
30	0.61552	0.61905	0.62181	0.62400	0.62576	0.62720	0.62839	0.62937	0.63020	0.63090	0.63150	0.63201	0.63246
35	0.55956	0.56277	0.56528	0.56728	0.56888	0.57018	0.57126	0.57216	0.57291	0.57355	0.57409	0.57456	0.57496
40	0.50361	0.50649	0.50875	0.51055	0.51199	0.51316	0.51414	0.51494	0.51562	0.51619	0.51668	0.51710	0.51747
45	0.44765	0.45022	0.45223	0.45382	0.45510	0.45615	0.45701	0.45773	0.45833	0.45884	0.45928	0.45965	0.45997
50	0.39170	0.39394	0.39570	0.39709	0.39821	0.39913	0.39989	0.40051	0.40104	0.40148	0.40187	0.40219	0.40248
55	0.33574	0.33766	0.33917	0.34037	0.34133	0.34211	0.34276	0.34330	0.34375	0.34413	0.34446	0.34474	0.34498
60	0.27978	0.28139	0.28264	0.28364	0.28444	0.28509	0.28563	0.28608	0.28646	0.28677	0.28705	0.28728	0.28748
65	0.22383	0.22511	0.22611	0.22691	0.22755	0.22807	0.22851	0.22886	0.22916	0.22942	0.22964	0.22982	0.22999
70	0.16787	0.16883	0.16958	0.17018	0.17066	0.17105	0.17138	0.17165	0.17187	0.17206	0.17223	0.17237	0.17249
75	0.11191	0.11255	0.11306	0.11346	0.11378	0.11404	0.11425	0.11443	0.11458	0.11471	0.11482	0.11491	0.11499
80	0.05596	0.05628	0.05653	0.05673	0.05689	0.05702	0.05713	0.05722	0.05729	0.05735	0.05741	0.05746	0.05750

Cuadro 54

(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS PROYECTADAS, OBSERVADAS Y ESTIMADAS, 1980 - 2040

Hipótesis Alta

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
						PROBABILIDADES ESTIMADAS							
						Uniforme 2							
0	1.09120	1.09225	1.09298	1.09351	1.09390	1.09420	1.09444	1.09463	1.09480	1.09494	1.09507	1.09519	1.09530
1	1.08598	1.08708	1.08785	1.08841	1.08884	1.08917	1.08943	1.08965	1.08983	1.08999	1.09012	1.09025	1.09037
5	1.06511	1.06640	1.06733	1.06805	1.06861	1.06905	1.06941	1.06970	1.06995	1.07016	1.07035	1.07051	1.07066
10	1.03901	1.04054	1.04169	1.04260	1.04332	1.04390	1.04437	1.04477	1.04510	1.04538	1.04562	1.04584	1.04602
15	1.01292	1.01468	1.01605	1.01714	1.01802	1.01875	1.01934	1.01984	1.02025	1.02060	1.02090	1.02116	1.02139
20	0.98682	0.98883	0.99040	0.99169	0.99273	0.99359	0.99431	0.99490	0.99540	0.99582	0.99618	0.99649	0.99675
25	0.96072	0.96297	0.96476	0.96623	0.96744	0.96844	0.96928	0.96997	0.97055	0.97105	0.97146	0.97181	0.97211
30	0.93463	0.93711	0.93912	0.94078	0.94215	0.94329	0.94424	0.94504	0.94571	0.94627	0.94674	0.94714	0.94747
35	0.90853	0.91126	0.91347	0.91532	0.91686	0.91814	0.91921	0.92011	0.92086	0.92149	0.92201	0.92246	0.92283
40	0.88244	0.88540	0.88783	0.88987	0.89157	0.89299	0.89418	0.89517	0.89601	0.89671	0.89729	0.89778	0.89819
45	0.85634	0.85954	0.86219	0.86441	0.86627	0.86784	0.86915	0.87024	0.87116	0.87193	0.87257	0.87311	0.87355
50	0.83025	0.83368	0.83654	0.83896	0.84098	0.84269	0.84411	0.84531	0.84631	0.84715	0.84785	0.84843	0.84892
55	0.80415	0.80783	0.81090	0.81350	0.81569	0.81753	0.81908	0.82038	0.82146	0.82237	0.82313	0.82376	0.82428
60	0.77805	0.78197	0.78525	0.78805	0.79040	0.79238	0.79405	0.79544	0.79662	0.79759	0.79841	0.79908	0.79964
65	0.75196	0.75611	0.75961	0.76259	0.76511	0.76723	0.76902	0.77051	0.77177	0.77281	0.77368	0.77441	0.77500
70	0.72586	0.73026	0.73397	0.73714	0.73982	0.74208	0.74398	0.74558	0.74692	0.74803	0.74896	0.74973	0.75036
75	0.69977	0.70440	0.70832	0.71168	0.71452	0.71693	0.71895	0.72065	0.72207	0.72325	0.72424	0.72506	0.72572
80	0.67367	0.67854	0.68268	0.68623	0.68923	0.69178	0.69392	0.69571	0.69722	0.69847	0.69952	0.70038	0.70109
						Exponencial							
0	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000
1	0.99888	0.99895	0.99901	0.99905	0.99909	0.99913	0.99915	0.99918	0.99920	0.99921	0.99922	0.99924	0.99925
5	0.99439	0.99475	0.99504	0.99527	0.99547	0.99564	0.99577	0.99589	0.99598	0.99606	0.99613	0.99619	0.99623
10	0.98882	0.98952	0.99010	0.99057	0.99096	0.99129	0.99156	0.99179	0.99198	0.99214	0.99228	0.99239	0.99248
15	0.98327	0.98433	0.98518	0.98589	0.98648	0.98697	0.98737	0.98771	0.98800	0.98824	0.98844	0.98861	0.98875
20	0.97776	0.97916	0.98029	0.98123	0.98201	0.98266	0.98320	0.98365	0.98403	0.98435	0.98461	0.98484	0.98502
25	0.97228	0.97402	0.97542	0.97659	0.97756	0.97837	0.97904	0.97961	0.98008	0.98047	0.98080	0.98108	0.98131
30	0.96683	0.96890	0.97058	0.97197	0.97314	0.97410	0.97491	0.97558	0.97614	0.97661	0.97701	0.97734	0.97762
35	0.96141	0.96381	0.96576	0.96738	0.96873	0.96985	0.97079	0.97157	0.97222	0.97277	0.97323	0.97361	0.97394
40	0.95602	0.95875	0.96097	0.96281	0.96434	0.96562	0.96668	0.96757	0.96832	0.96894	0.96946	0.96990	0.97027
45	0.95066	0.95371	0.95619	0.95825	0.95998	0.96140	0.96260	0.96359	0.96443	0.96513	0.96571	0.96621	0.96662
50	0.94533	0.94871	0.95145	0.95373	0.95563	0.95721	0.95853	0.95963	0.96056	0.96133	0.96197	0.96252	0.96298
55	0.94003	0.94372	0.94672	0.94922	0.95130	0.95303	0.95448	0.95569	0.95670	0.95755	0.95825	0.95885	0.95935
60	0.93476	0.93877	0.94202	0.94473	0.94699	0.94887	0.95044	0.95176	0.95286	0.95378	0.95454	0.95520	0.95574
65	0.92952	0.93384	0.93735	0.94027	0.94270	0.94473	0.94643	0.94784	0.94903	0.95002	0.95085	0.95155	0.95214
70	0.92431	0.92893	0.93269	0.93582	0.93844	0.94061	0.94243	0.94395	0.94522	0.94628	0.94717	0.94793	0.94856
75	0.91912	0.92405	0.92806	0.93140	0.93419	0.93650	0.93844	0.94006	0.94142	0.94256	0.94351	0.94431	0.94498
80	0.91397	0.91920	0.92345	0.92699	0.92996	0.93242	0.93448	0.93620	0.93764	0.93885	0.93985	0.94071	0.94143

Cuadro 54
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS PROYECTADAS, OBSERVADAS Y ESTIMADAS, 1980 - 2040

Hipótesis Alta

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
						PROBABILIDADES ESTIMADAS							
						Logística							
0	0.99357	0.99428	0.99482	0.99525	0.99560	0.99589	0.99612	0.99632	0.99648	0.99661	0.99673	0.99683	0.99691
1	0.99330	0.99403	0.99460	0.99505	0.99541	0.99570	0.99595	0.99615	0.99632	0.99646	0.99658	0.99668	0.99677
5	0.99212	0.99295	0.99360	0.99412	0.99454	0.99488	0.99516	0.99539	0.99559	0.99575	0.99589	0.99601	0.99611
10	0.99033	0.99132	0.99210	0.99271	0.99321	0.99362	0.99396	0.99424	0.99447	0.99467	0.99484	0.99498	0.99511
15	0.98815	0.98932	0.99024	0.99097	0.99157	0.99206	0.99246	0.99280	0.99308	0.99332	0.99352	0.99369	0.99384
20	0.98548	0.98686	0.98794	0.98881	0.98953	0.99011	0.99060	0.99100	0.99134	0.99162	0.99186	0.99207	0.99225
25	0.98222	0.98385	0.98512	0.98615	0.98700	0.98770	0.98828	0.98876	0.98916	0.98950	0.98979	0.99004	0.99025
30	0.97825	0.98015	0.98165	0.98287	0.98388	0.98470	0.98539	0.98597	0.98645	0.98685	0.98720	0.98749	0.98774
35	0.97341	0.97563	0.97739	0.97883	0.98002	0.98100	0.98181	0.98249	0.98307	0.98355	0.98395	0.98430	0.98460
40	0.96754	0.97012	0.97217	0.97386	0.97526	0.97641	0.97738	0.97818	0.97886	0.97943	0.97991	0.98032	0.98067
45	0.96041	0.96340	0.96578	0.96776	0.96939	0.97075	0.97189	0.97283	0.97363	0.97430	0.97486	0.97535	0.97576
50	0.95181	0.95525	0.95800	0.96029	0.96220	0.96379	0.96511	0.96622	0.96716	0.96794	0.96860	0.96916	0.96964
55	0.94144	0.94538	0.94853	0.95118	0.95339	0.95524	0.95678	0.95807	0.95916	0.96007	0.96083	0.96149	0.96203
60	0.92901	0.93348	0.93707	0.94012	0.94266	0.94479	0.94657	0.94806	0.94931	0.95036	0.95125	0.95199	0.95262
65	0.91418	0.91922	0.92327	0.92674	0.92964	0.93207	0.93411	0.93582	0.93725	0.93845	0.93946	0.94030	0.94101
70	0.89660	0.90222	0.90674	0.91065	0.91392	0.91668	0.91899	0.92093	0.92255	0.92391	0.92505	0.92599	0.92678
75	0.87591	0.88209	0.88708	0.89144	0.89510	0.89819	0.90077	0.90295	0.90476	0.90627	0.90754	0.90858	0.90944
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Fuente : Cuadros 25, 28, 28', 32 y 44.

Cuadro 55

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Alta

Edad	Observadas	Uniforme 1	% error	Uniforme 2	% error	Exponencial	% error	Logistica	% error
				1980					
0	0.95126	0.95126	0.0000	1.09120	-0.1399	1.00000	-0.0487	0.99357	-0.0423
1	0.97420	0.94007	0.0341	1.08598	-0.1118	0.99888	-0.0247	0.99330	-0.0191
5	0.99312	0.89530	0.0978	1.06511	-0.0720	0.99439	-0.0013	0.99212	0.0010
10	0.99628	0.83935	0.1569	1.03901	-0.0427	0.98882	0.0075	0.99033	0.0059
15	0.99478	0.78339	0.2114	1.01292	-0.0181	0.98327	0.0115	0.98815	0.0066
20	0.99195	0.72743	0.2645	0.98682	0.0051	0.97776	0.0142	0.98548	0.0065
25	0.98956	0.67148	0.3181	0.96072	0.0288	0.97228	0.0173	0.98222	0.0073
30	0.98672	0.61552	0.3712	0.93463	0.0521	0.96683	0.0199	0.97825	0.0085
35	0.98337	0.55956	0.4238	0.90853	0.0748	0.96141	0.0220	0.97341	0.0100
40	0.97983	0.50361	0.4762	0.88244	0.0974	0.95602	0.0238	0.96754	0.0123
45	0.97363	0.44765	0.5260	0.85634	0.1173	0.95066	0.0230	0.96041	0.0132
50	0.96346	0.39170	0.5718	0.83025	0.1332	0.94533	0.0181	0.95181	0.0117
55	0.94890	0.33574	0.6132	0.80415	0.1447	0.94003	0.0089	0.94144	0.0075
60	0.92597	0.27978	0.6462	0.77805	0.1479	0.93476	-0.0088	0.92901	-0.0030
65	0.88877	0.22383	0.6649	0.75196	0.1368	0.92952	-0.0407	0.91418	-0.0254
70	0.82649	0.16787	0.6586	0.72586	0.1006	0.92431	-0.0978	0.89660	-0.0701
75	0.71913	0.11191	0.6072	0.69977	0.0194	0.91912	-0.2000	0.87591	-0.1568
80	0.00000	0.05596	-0.0560	0.67367	-0.6737	0.91397	-0.9140	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.63		13.16		9.34		2.53
				1985					
0	0.95671	0.95671	0.0000	1.09225	-0.1355	1.00000	-0.0433	0.99428	-0.0376
1	0.97677	0.94545	0.0313	1.08708	-0.1103	0.99895	-0.0222	0.99403	-0.0173
5	0.99379	0.90043	0.0934	1.06640	-0.0726	0.99475	-0.0010	0.99295	0.0008
10	0.99664	0.84416	0.1525	1.04054	-0.0439	0.98952	0.0071	0.99132	0.0053
15	0.99528	0.78788	0.2074	1.01468	-0.0194	0.98433	0.0110	0.98932	0.0060
20	0.99271	0.73160	0.2611	0.98883	0.0039	0.97916	0.0136	0.98686	0.0058
25	0.99053	0.67532	0.3152	0.96297	0.0276	0.97402	0.0165	0.98385	0.0067
30	0.98792	0.61905	0.3689	0.93711	0.0508	0.96890	0.0190	0.98015	0.0078
35	0.98484	0.56277	0.4221	0.91126	0.0736	0.96381	0.0210	0.97563	0.0092
40	0.98185	0.50649	0.4754	0.88540	0.0965	0.95875	0.0231	0.97012	0.0117
45	0.97580	0.45022	0.5256	0.85954	0.1163	0.95371	0.0221	0.96340	0.0124
50	0.96630	0.39394	0.5724	0.83368	0.1326	0.94871	0.0176	0.95525	0.0111
55	0.95260	0.33766	0.6149	0.80783	0.1448	0.94372	0.0089	0.94538	0.0072
60	0.93080	0.28139	0.6494	0.78197	0.1488	0.93877	-0.0080	0.93348	-0.0027
65	0.89501	0.22511	0.6699	0.75611	0.1389	0.93384	-0.0388	0.91922	-0.0242
70	0.83412	0.16883	0.6653	0.73026	0.1039	0.92893	-0.0948	0.90222	-0.0681
75	0.72719	0.11255	0.6146	0.70440	0.0228	0.92405	-0.1969	0.88209	-0.1549
80	0.00000	0.05628	-0.0563	0.67854	-0.6785	0.91920	-0.9192	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.49		13.14		9.19		2.41

Cuadro 55
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Alta

Edad	Observadas	Uniforme 1	% error	Uniforme 2	% error	Exponencial	% error	Logística	% error
				1990					
0	0.96098	0.96098	0.0000	1.09298	-0.1320	1.00000	-0.0390	0.99482	-0.0338
1	0.97881	0.94967	0.0291	1.08785	-0.1090	0.99901	-0.0202	0.99460	-0.0158
5	0.99432	0.90445	0.0899	1.06733	-0.0730	0.99504	-0.0007	0.99360	0.0007
10	0.99693	0.84792	0.1490	1.04169	-0.0448	0.99010	0.0068	0.99210	0.0048
15	0.99568	0.79140	0.2043	1.01605	-0.0204	0.98518	0.0105	0.99024	0.0054
20	0.99332	0.73487	0.2585	0.99040	0.0029	0.98029	0.0130	0.98794	0.0054
25	0.99130	0.67834	0.3130	0.96476	0.0265	0.97542	0.0159	0.98512	0.0062
30	0.98888	0.62181	0.3671	0.93912	0.0498	0.97058	0.0183	0.98165	0.0072
35	0.98601	0.56528	0.4207	0.91347	0.0725	0.96576	0.0202	0.97739	0.0086
40	0.98294	0.50875	0.4742	0.88783	0.0951	0.96097	0.0220	0.97217	0.0108
45	0.97755	0.45223	0.5253	0.86219	0.1154	0.95619	0.0214	0.96578	0.0118
50	0.96862	0.39570	0.5729	0.83654	0.1321	0.95145	0.0172	0.95800	0.0106
55	0.95563	0.33917	0.6165	0.81090	0.1447	0.94672	0.0089	0.94853	0.0071
60	0.93481	0.28264	0.6522	0.78525	0.1496	0.94202	-0.0072	0.93707	-0.0023
65	0.90026	0.22611	0.6741	0.75961	0.1406	0.93735	-0.0371	0.92327	-0.0230
70	0.84065	0.16958	0.6711	0.73397	0.1067	0.93269	-0.0920	0.90674	-0.0661
75	0.73425	0.11306	0.6212	0.70832	0.0259	0.92806	-0.1938	0.88708	-0.1528
80	0.00000	0.05653	-0.0565	0.68268	-0.6827	0.92345	-0.9235	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.38		13.12		9.07		2.30
				1995					
0	0.96437	0.96437	0.0000	1.09351	-0.1291	1.00000	-0.0356	0.99525	-0.0309
1	0.98044	0.95302	0.0274	1.08841	-0.1080	0.99905	-0.0186	0.99505	-0.0146
5	0.99474	0.90764	0.0871	1.06805	-0.0733	0.99527	-0.0005	0.99412	0.0006
10	0.99715	0.85091	0.1462	1.04260	-0.0454	0.99057	0.0066	0.99271	0.0044
15	0.99599	0.79419	0.2018	1.01714	-0.0212	0.98589	0.0101	0.99097	0.0050
20	0.99380	0.73746	0.2563	0.99169	0.0021	0.98123	0.0126	0.98881	0.0050
25	0.99192	0.68073	0.3112	0.96623	0.0257	0.97659	0.0153	0.98615	0.0058
30	0.98966	0.62400	0.3657	0.94078	0.0489	0.97197	0.0177	0.98287	0.0068
35	0.98696	0.56728	0.4197	0.91532	0.0716	0.96738	0.0196	0.97883	0.0081
40	0.98406	0.51055	0.4735	0.88987	0.0942	0.96281	0.0213	0.97386	0.0102
45	0.97897	0.45382	0.5251	0.86441	0.1146	0.95825	0.0207	0.96776	0.0112
50	0.97051	0.39709	0.5734	0.83896	0.1316	0.95373	0.0168	0.96029	0.0102
55	0.95813	0.34037	0.6178	0.81350	0.1446	0.94922	0.0089	0.95118	0.0069
60	0.93815	0.28364	0.6545	0.78805	0.1501	0.94473	-0.0066	0.94012	-0.0021
65	0.90467	0.22691	0.6778	0.76259	0.1421	0.94027	-0.0356	0.92674	-0.0251
70	0.84623	0.17018	0.6760	0.73714	0.1091	0.93582	-0.0896	0.91065	-0.0644
75	0.74038	0.11346	0.6269	0.71168	0.0287	0.93140	-0.1910	0.89144	-0.1511
80	0.00000	0.05673	-0.0567	0.68623	-0.6862	0.92699	-0.9270	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.30		13.11		8.97		2.22

Cuadro 55
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Alta

Edad	Observadas	Uniforme 1	% error	Uniforme 2	% error	Exponencial	% error	Logistica	% error
				2 0 0 0					
0	0.96709	0.96709	0.0000	1.09390	-0.1268	1.00000	-0.0329	0.99560	-0.0285
1	0.98176	0.95571	0.0260	1.08884	-0.1071	0.99909	-0.0173	0.99541	-0.0136
5	0.99509	0.91020	0.0849	1.06861	-0.0735	0.99547	-0.0004	0.99454	0.0006
10	0.99734	0.85331	0.1440	1.04332	-0.0460	0.99096	0.0064	0.99321	0.0041
15	0.99625	0.79643	0.1998	1.01802	-0.0218	0.98648	0.0098	0.99157	0.0047
20	0.99419	0.73954	0.2547	0.99273	0.0015	0.98201	0.0122	0.98953	0.0047
25	0.99242	0.68265	0.3098	0.96744	0.0250	0.97756	0.0149	0.98700	0.0054
30	0.99029	0.62578	0.3645	0.94215	0.0481	0.97314	0.0172	0.98388	0.0064
35	0.98774	0.56888	0.4189	0.91686	0.0709	0.96873	0.0190	0.98002	0.0077
40	0.98499	0.51199	0.4730	0.89157	0.0934	0.96434	0.0206	0.97526	0.0097
45	0.98014	0.45510	0.5250	0.86627	0.1139	0.95998	0.0202	0.96939	0.0107
50	0.97207	0.39821	0.5739	0.84098	0.1311	0.95563	0.0164	0.96220	0.0099
55	0.96020	0.34133	0.6189	0.81569	0.1445	0.95130	0.0089	0.95339	0.0068
60	0.94092	0.28444	0.6565	0.79040	0.1505	0.94699	-0.0061	0.94266	-0.0017
65	0.90837	0.22755	0.6808	0.76511	0.1433	0.94270	-0.0343	0.92964	-0.0213
70	0.85096	0.17066	0.6803	0.73982	0.1111	0.93844	-0.0875	0.91392	-0.0630
75	0.74565	0.11378	0.6319	0.71452	0.0311	0.93419	-0.1885	0.89510	-0.1494
80	0.00000	0.05689	-0.0569	0.68923	-0.6892	0.92996	-0.9300	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.24		13.10		8.88		2.14
				2 0 0 5					
0	0.96931	0.96931	0.0000	1.09420	-0.1249	1.00000	-0.0307	0.99589	-0.0266
1	0.98284	0.95791	0.0249	1.08917	-0.1063	0.99913	-0.0163	0.99570	-0.0129
5	0.99537	0.91229	0.0831	1.06905	-0.0737	0.99564	-0.0003	0.99488	0.0005
10	0.99749	0.85527	0.1422	1.04390	-0.0464	0.99129	0.0062	0.99362	0.0039
15	0.99646	0.79826	0.1982	1.01875	-0.0223	0.98697	0.0095	0.99206	0.0044
20	0.99452	0.74124	0.2533	0.99359	0.0009	0.98266	0.0119	0.99011	0.0044
25	0.99284	0.68422	0.3086	0.96844	0.0244	0.97837	0.0145	0.98770	0.0051
30	0.99081	0.62720	0.3636	0.94329	0.0475	0.97410	0.0167	0.98470	0.0061
35	0.98838	0.57018	0.4182	0.91814	0.0702	0.96985	0.0185	0.98100	0.0074
40	0.98574	0.51316	0.4726	0.89299	0.0928	0.96562	0.0201	0.97641	0.0093
45	0.98111	0.45615	0.5250	0.86784	0.1133	0.96140	0.0197	0.97075	0.0104
50	0.97336	0.39913	0.5742	0.84269	0.1307	0.95721	0.0162	0.96379	0.0096
55	0.96192	0.34211	0.6198	0.81753	0.1444	0.95303	0.0089	0.95524	0.0067
60	0.94324	0.28509	0.6581	0.79238	0.1509	0.94887	-0.0056	0.94479	-0.0015
65	0.91148	0.22807	0.6834	0.76723	0.1442	0.94473	-0.0333	0.93207	-0.0206
70	0.85496	0.17105	0.6839	0.74208	0.1129	0.94061	-0.0856	0.91668	-0.0617
75	0.75014	0.11404	0.6361	0.71693	0.0332	0.93650	-0.1864	0.89819	-0.1481
80	0.00000	0.05702	-0.0570	0.69178	-0.6918	0.93242	-0.9324	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.19		13.10		8.81		2.08

Cuadro 55
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Alta

Edad	Observadas	Uniforme 1	% error	Uniforme 2	% error	Exponencial	% error	Logística	% error
				2 0 1 0					
0	0.97115	0.97115	0.0000	1.09444	-0.1233	1.00000	-0.0289	0.99612	-0.0250
1	0.98373	0.95972	0.0240	1.08943	-0.1057	0.99915	-0.0154	0.99595	-0.0122
5	0.99560	0.91402	0.0816	1.06941	-0.0738	0.99577	-0.0002	0.99516	0.0004
10	0.99762	0.85690	0.1407	1.04437	-0.0468	0.99156	0.0061	0.99396	0.0037
15	0.99664	0.79977	0.1969	1.01934	-0.0227	0.98737	0.0093	0.99246	0.0042
20	0.99479	0.74264	0.2521	0.99431	0.0005	0.98320	0.0116	0.99060	0.0042
25	0.99318	0.68552	0.3077	0.96928	0.0239	0.97904	0.0141	0.98828	0.0049
30	0.99124	0.62839	0.3628	0.94424	0.0470	0.97491	0.0163	0.98539	0.0058
35	0.98891	0.57126	0.4176	0.91921	0.0697	0.97079	0.0181	0.98181	0.0071
40	0.98637	0.51414	0.4722	0.89418	0.0922	0.96668	0.0197	0.97738	0.0090
45	0.98191	0.45701	0.5249	0.86915	0.1128	0.96260	0.0193	0.97189	0.0100
50	0.97444	0.39989	0.5746	0.84411	0.1303	0.95853	0.0159	0.96511	0.0093
55	0.96335	0.34276	0.6206	0.81908	0.1443	0.95448	0.0089	0.95678	0.0066
60	0.94517	0.28563	0.6595	0.79405	0.1511	0.95044	-0.0053	0.94657	-0.0014
65	0.91409	0.22851	0.6856	0.76902	0.1451	0.94643	-0.0323	0.93411	-0.0200
70	0.85834	0.17138	0.6870	0.74398	0.1144	0.94243	-0.0841	0.91899	-0.0607
75	0.75394	0.11425	0.6397	0.71895	0.0350	0.93844	-0.1845	0.90077	-0.1468
80	0.00000	0.05713	-0.0571	0.69392	-0.6939	0.93448	-0.9345	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.16		13.09		8.74		2.03
				2 0 1 5					
0	0.97267	0.97267	0.0000	1.09463	-0.1220	1.00000	-0.0273	0.99632	-0.0236
1	0.98448	0.96123	0.0233	1.08965	-0.1052	0.99918	-0.0147	0.99615	-0.0117
5	0.99580	0.91545	0.0803	1.06970	-0.0739	0.99589	-0.0001	0.99539	0.0004
10	0.99772	0.85824	0.1395	1.04477	-0.0470	0.99179	0.0059	0.99424	0.0035
15	0.99678	0.80102	0.1958	1.01984	-0.0231	0.98771	0.0091	0.99280	0.0040
20	0.99501	0.74381	0.2512	0.99490	0.0001	0.98365	0.0114	0.99100	0.0040
25	0.99347	0.68659	0.3069	0.96997	0.0235	0.97961	0.0139	0.98876	0.0047
30	0.99160	0.62937	0.3622	0.94504	0.0466	0.97558	0.0160	0.98597	0.0056
35	0.98935	0.57216	0.4172	0.92011	0.0692	0.97157	0.0178	0.98249	0.0069
40	0.98690	0.51494	0.4720	0.89517	0.0917	0.96757	0.0193	0.97818	0.0087
45	0.98258	0.45773	0.5249	0.87024	0.1123	0.96359	0.0190	0.97283	0.0097
50	0.97533	0.40051	0.5748	0.84531	0.1300	0.95963	0.0157	0.96622	0.0091
55	0.96455	0.34330	0.6213	0.82038	0.1442	0.95569	0.0089	0.95807	0.0065
60	0.94680	0.28608	0.6607	0.79544	0.1514	0.95176	-0.0050	0.94806	-0.0013
65	0.91628	0.22886	0.6874	0.77051	0.1458	0.94784	-0.0316	0.93582	-0.0195
70	0.86118	0.17165	0.6895	0.74558	0.1156	0.94395	-0.0828	0.92093	-0.0597
75	0.75712	0.11443	0.6427	0.72065	0.0365	0.94006	-0.1829	0.90295	-0.1458
80	0.00000	0.05722	-0.0572	0.69571	-0.6957	0.93620	-0.9362	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.13		13.08		8.69		1.99

Cuadro 55
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Alta

Edad	Observadas	Uniforme 1	% error	Uniforme 2	% error	Exponencial	% error	Logística	% error
				2020					
0	0.97395	0.97395	0.0000	1.09480	-0.1208	1.00000	-0.0261	0.99648	-0.0225
1	0.98510	0.96249	0.0226	1.08983	-0.1047	0.99920	-0.0141	0.99632	-0.0112
5	0.99596	0.91666	0.0793	1.06995	-0.0740	0.99598	0.0000	0.99559	0.0004
10	0.99781	0.85937	0.1384	1.04510	-0.0473	0.99198	0.0058	0.99447	0.0033
15	0.99691	0.80208	0.1948	1.02025	-0.0233	0.98800	0.0089	0.99308	0.0038
20	0.99519	0.74479	0.2504	0.99540	-0.0002	0.98403	0.0112	0.99134	0.0039
25	0.99370	0.68749	0.3062	0.97055	0.0231	0.98008	0.0136	0.98916	0.0045
30	0.99190	0.63020	0.3617	0.94571	0.0462	0.97614	0.0158	0.98645	0.0055
35	0.98972	0.57291	0.4168	0.92086	0.0689	0.97222	0.0175	0.98307	0.0067
40	0.98734	0.51562	0.4717	0.89601	0.0913	0.96832	0.0190	0.97886	0.0085
45	0.98314	0.45833	0.5248	0.87116	0.1120	0.96443	0.0187	0.97363	0.0095
50	0.97609	0.40104	0.5751	0.84631	0.1298	0.96056	0.0155	0.96716	0.0089
55	0.96556	0.34375	0.6218	0.82146	0.1441	0.95670	0.0089	0.95916	0.0064
60	0.94816	0.28646	0.6617	0.79662	0.1515	0.95286	-0.0047	0.94931	-0.0012
65	0.91812	0.22916	0.6890	0.77177	0.1464	0.94903	-0.0309	0.93725	-0.0191
70	0.86356	0.17187	0.6917	0.74692	0.1166	0.94522	-0.0817	0.92255	-0.0590
75	0.75978	0.11458	0.6452	0.72207	0.0377	0.94142	-0.1816	0.90476	-0.1450
80	0.00000	0.05729	-0.0573	0.69722	-0.6972	0.93764	-0.9376	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.10		13.08		8.65		1.96
				2025					
0	0.97503	0.97503	0.0000	1.09494	-0.1199	1.00000	-0.0250	0.99661	-0.0216
1	0.98563	0.96356	0.0221	1.08999	-0.1044	0.99921	-0.0136	0.99646	-0.0108
5	0.99610	0.91768	0.0784	1.07016	-0.0741	0.99606	0.0000	0.99575	0.0003
10	0.99788	0.86032	0.1376	1.04538	-0.0475	0.99214	0.0057	0.99467	0.0032
15	0.99701	0.80297	0.1940	1.02060	-0.0236	0.98824	0.0088	0.99332	0.0037
20	0.99535	0.74561	0.2497	0.99582	-0.0005	0.98435	0.0110	0.99162	0.0037
25	0.99391	0.68826	0.3057	0.97105	0.0229	0.98047	0.0134	0.98950	0.0044
30	0.99215	0.63090	0.3612	0.94627	0.0459	0.97661	0.0155	0.98685	0.0053
35	0.99003	0.57355	0.4165	0.92149	0.0685	0.97277	0.0173	0.98355	0.0065
40	0.98771	0.51619	0.4715	0.89671	0.0910	0.96894	0.0188	0.97943	0.0083
45	0.98361	0.45884	0.5248	0.87193	0.1117	0.96513	0.0185	0.97430	0.0093
50	0.97672	0.40148	0.5752	0.84715	0.1296	0.96133	0.0154	0.96794	0.0088
55	0.96640	0.34413	0.6223	0.82237	0.1440	0.95755	0.0089	0.96007	0.0063
60	0.94931	0.28677	0.6625	0.79759	0.1517	0.95378	-0.0045	0.95036	-0.0011
65	0.91966	0.22942	0.6902	0.77281	0.1468	0.95002	-0.0304	0.93845	-0.0188
70	0.86555	0.17206	0.6935	0.74803	0.1175	0.94628	-0.0807	0.92391	-0.0584
75	0.76197	0.11471	0.6473	0.72325	0.0387	0.94256	-0.1806	0.90627	-0.1443
80	0.00000	0.05735	-0.0574	0.69847	-0.6985	0.93885	-0.9388	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.08		13.08		8.61		1.93

Cuadro 55
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Alta

Edad	Observadas	Uniforme 1	% error	Uniforme 2	% error	Exponencial	% error	Logística	% error
				2030					
0	0.97596	0.97596	0.0000	1.09507	-0.1191	1.00000	-0.0240	0.99673	-0.0208
1	0.98607	0.96448	0.0216	1.09012	-0.1041	0.99922	-0.0132	0.99658	-0.0105
5	0.99621	0.91855	0.0777	1.07035	-0.0741	0.99613	0.0001	0.99589	0.0003
10	0.99794	0.86114	0.1368	1.04562	-0.0477	0.99228	0.0057	0.99484	0.0031
15	0.99710	0.80373	0.1934	1.02090	-0.0238	0.98844	0.0087	0.99352	0.0036
20	0.99548	0.74632	0.2492	0.99618	-0.0007	0.98461	0.0109	0.99186	0.0036
25	0.99408	0.68891	0.3052	0.97146	0.0226	0.98080	0.0133	0.98979	0.0043
30	0.99236	0.63150	0.3609	0.94674	0.0456	0.97701	0.0154	0.98720	0.0052
35	0.99030	0.57409	0.4162	0.92201	0.0683	0.97323	0.0171	0.98395	0.0063
40	0.98802	0.51668	0.4713	0.89729	0.0907	0.96946	0.0186	0.97991	0.0081
45	0.98401	0.45928	0.5247	0.87257	0.1114	0.96571	0.0183	0.97486	0.0091
50	0.97725	0.40187	0.5754	0.84785	0.1294	0.96197	0.0153	0.96860	0.0087
55	0.96712	0.34446	0.6227	0.82313	0.1440	0.95825	0.0089	0.96083	0.0063
60	0.95027	0.28705	0.6632	0.79841	0.1519	0.95454	-0.0043	0.95125	-0.0010
65	0.92096	0.22964	0.6913	0.77368	0.1473	0.95085	-0.0299	0.93946	-0.0185
70	0.86721	0.17223	0.6950	0.74896	0.1182	0.94717	-0.0800	0.92505	-0.0578
75	0.76376	0.11482	0.6489	0.72424	0.0395	0.94351	-0.1797	0.90754	-0.1438
80	0.00000	0.05741	-0.0574	0.69952	-0.6995	0.93985	-0.9399	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.06		13.08		8.58		1.90
				2035					
0	0.97675	0.97675	0.0000	1.09519	-0.1184	1.00000	-0.0232	0.99683	-0.0201
1	0.98646	0.96526	0.0212	1.09025	-0.1038	0.99924	-0.0128	0.99668	-0.0102
5	0.99631	0.91929	0.0770	1.07051	-0.0742	0.99619	0.0001	0.99601	0.0003
10	0.99800	0.86184	0.1362	1.04584	-0.0478	0.99239	0.0056	0.99498	0.0030
15	0.99717	0.80438	0.1928	1.02116	-0.0240	0.98861	0.0086	0.99369	0.0035
20	0.99560	0.74693	0.2487	0.99649	-0.0009	0.98484	0.0108	0.99207	0.0035
25	0.99422	0.68947	0.3047	0.97181	0.0224	0.98108	0.0131	0.99004	0.0042
30	0.99255	0.63201	0.3605	0.94714	0.0454	0.97734	0.0152	0.98749	0.0051
35	0.99052	0.57456	0.4160	0.92246	0.0681	0.97361	0.0169	0.98430	0.0062
40	0.98829	0.51710	0.4712	0.89778	0.0905	0.96990	0.0184	0.98032	0.0080
45	0.98435	0.45965	0.5247	0.87311	0.1112	0.96621	0.0181	0.97535	0.0090
50	0.97771	0.40219	0.5755	0.84843	0.1293	0.96252	0.0152	0.96916	0.0085
55	0.96772	0.34474	0.6230	0.82376	0.1440	0.95885	0.0089	0.96149	0.0062
60	0.95109	0.28728	0.6638	0.79908	0.1520	0.95520	-0.0041	0.95199	-0.0009
65	0.92205	0.22982	0.6922	0.77441	0.1476	0.95155	-0.0295	0.94030	-0.0183
70	0.86859	0.17237	0.6962	0.74973	0.1189	0.94793	-0.0793	0.92599	-0.0574
75	0.76521	0.11491	0.6503	0.72506	0.0402	0.94431	-0.1791	0.90858	-0.1434
80	0.00000	0.05746	-0.0575	0.70038	-0.7004	0.94071	-0.9407	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.04		13.08		8.56		1.88

Cuadro 55
(Continuación)

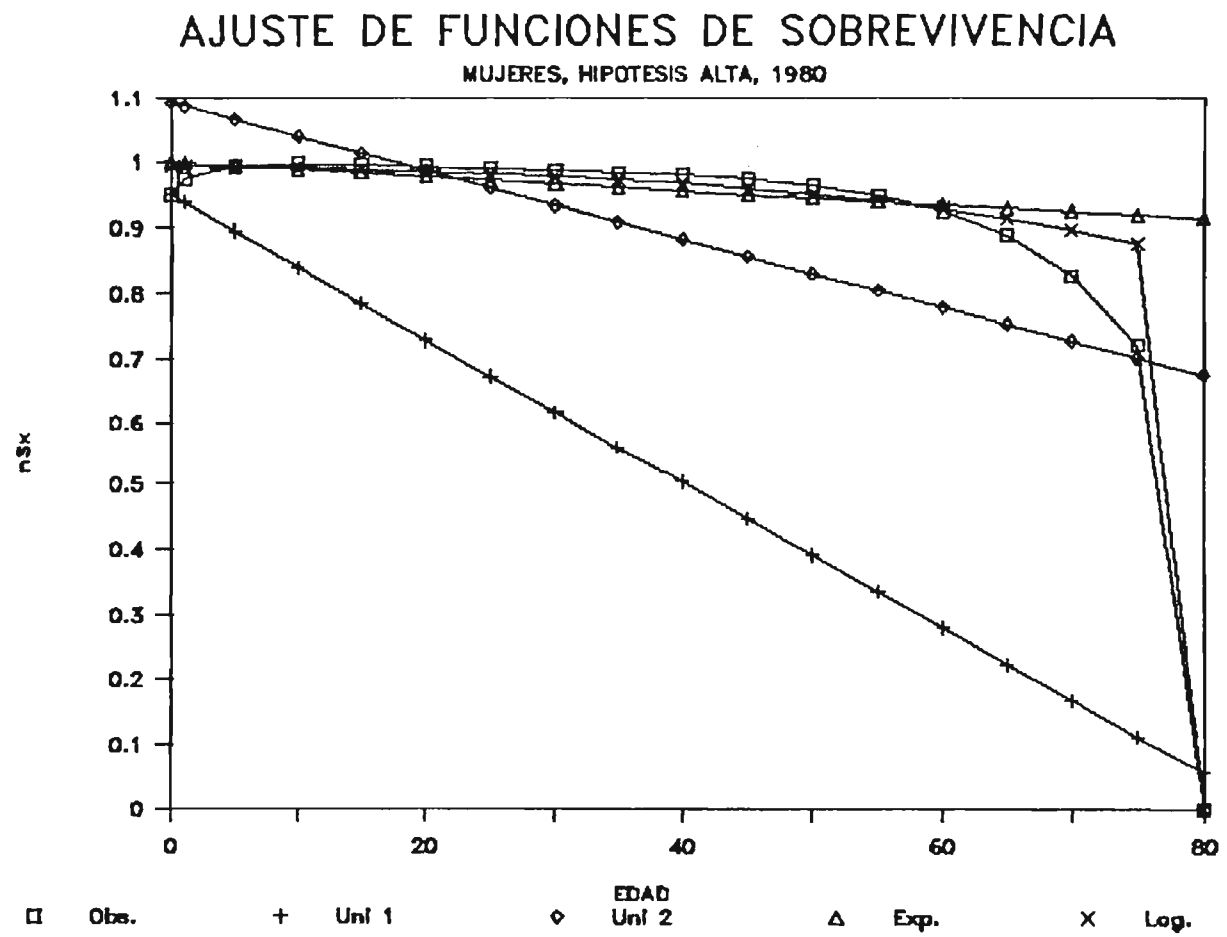
COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

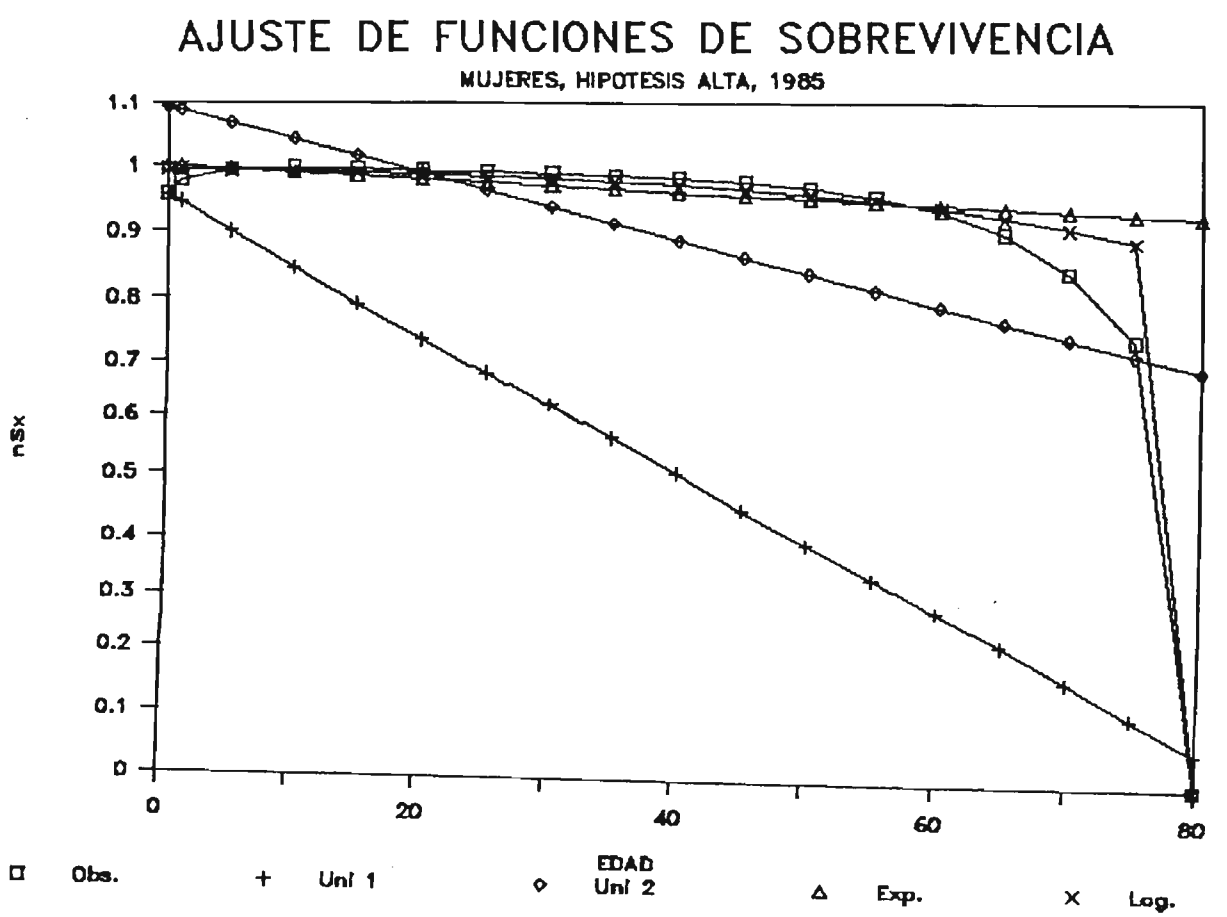
Hipótesis Alta

Edad	Observadas	Uniforme 1	% error	Uniforme 2	% error	Exponencial	% error	Logística	% error
				2040					
0	0.97744	0.97744	0.0000	1.09530	-0.1179	1.00000	-0.0226	0.99691	-0.0195
1	0.98679	0.96594	0.0208	1.09037	-0.1036	0.99925	-0.0125	0.99677	-0.0100
5	0.99640	0.91994	0.0765	1.07066	-0.0743	0.99623	0.0002	0.99611	0.0003
10	0.99804	0.86245	0.1356	1.04602	-0.0480	0.99248	0.0056	0.99511	0.0029
15	0.99723	0.80495	0.1923	1.02139	-0.0242	0.98875	0.0085	0.99384	0.0034
20	0.99570	0.74745	0.2482	0.99675	-0.0010	0.98502	0.0107	0.99225	0.0035
25	0.99435	0.68996	0.3044	0.97211	0.0222	0.98131	0.0130	0.99025	0.0041
30	0.99270	0.63246	0.3602	0.94747	0.0452	0.97762	0.0151	0.98774	0.0050
35	0.99071	0.57496	0.4157	0.92283	0.0679	0.97394	0.0168	0.98460	0.0061
40	0.98852	0.51747	0.4711	0.89819	0.0903	0.97027	0.0182	0.98067	0.0079
45	0.98464	0.45997	0.5247	0.87355	0.1111	0.96662	0.0180	0.97576	0.0089
50	0.97810	0.40248	0.5756	0.84892	0.1292	0.96298	0.0151	0.96964	0.0085
55	0.96823	0.34498	0.6233	0.82428	0.1440	0.95935	0.0089	0.96203	0.0062
60	0.95177	0.28748	0.6643	0.79964	0.1521	0.95574	-0.0040	0.95262	-0.0008
65	0.92296	0.22999	0.6930	0.77500	0.1480	0.95214	-0.0292	0.94101	-0.0181
70	0.86973	0.17249	0.6972	0.75036	0.1194	0.94856	-0.0788	0.92678	-0.0570
75	0.76635	0.11499	0.6514	0.72572	0.0406	0.94498	-0.1786	0.90944	-0.1431
80	0.00000	0.05750	-0.0575	0.70109	-0.7011	0.94143	-0.9414	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.03		13.08		8.54		1.87

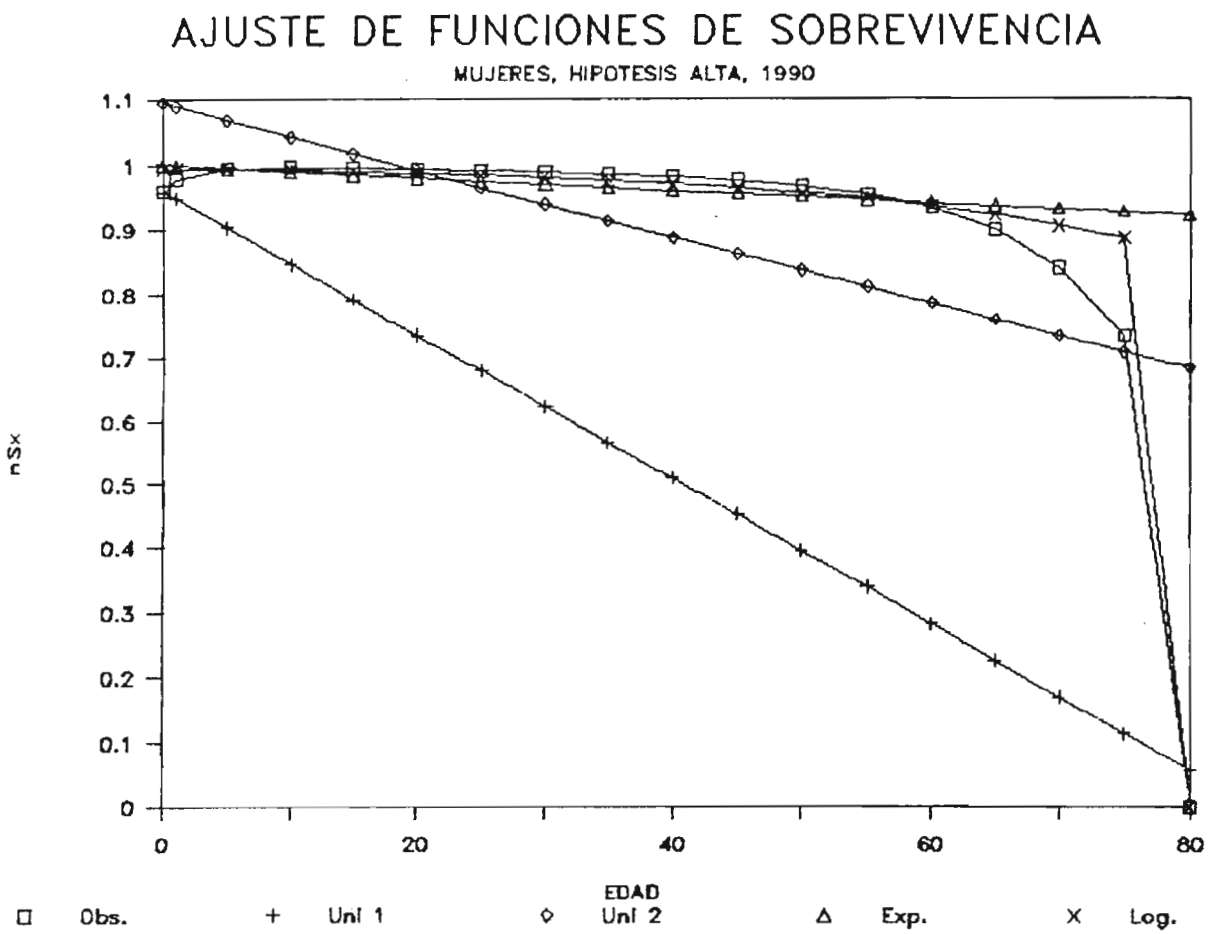
Fuente: Cuadro 54.

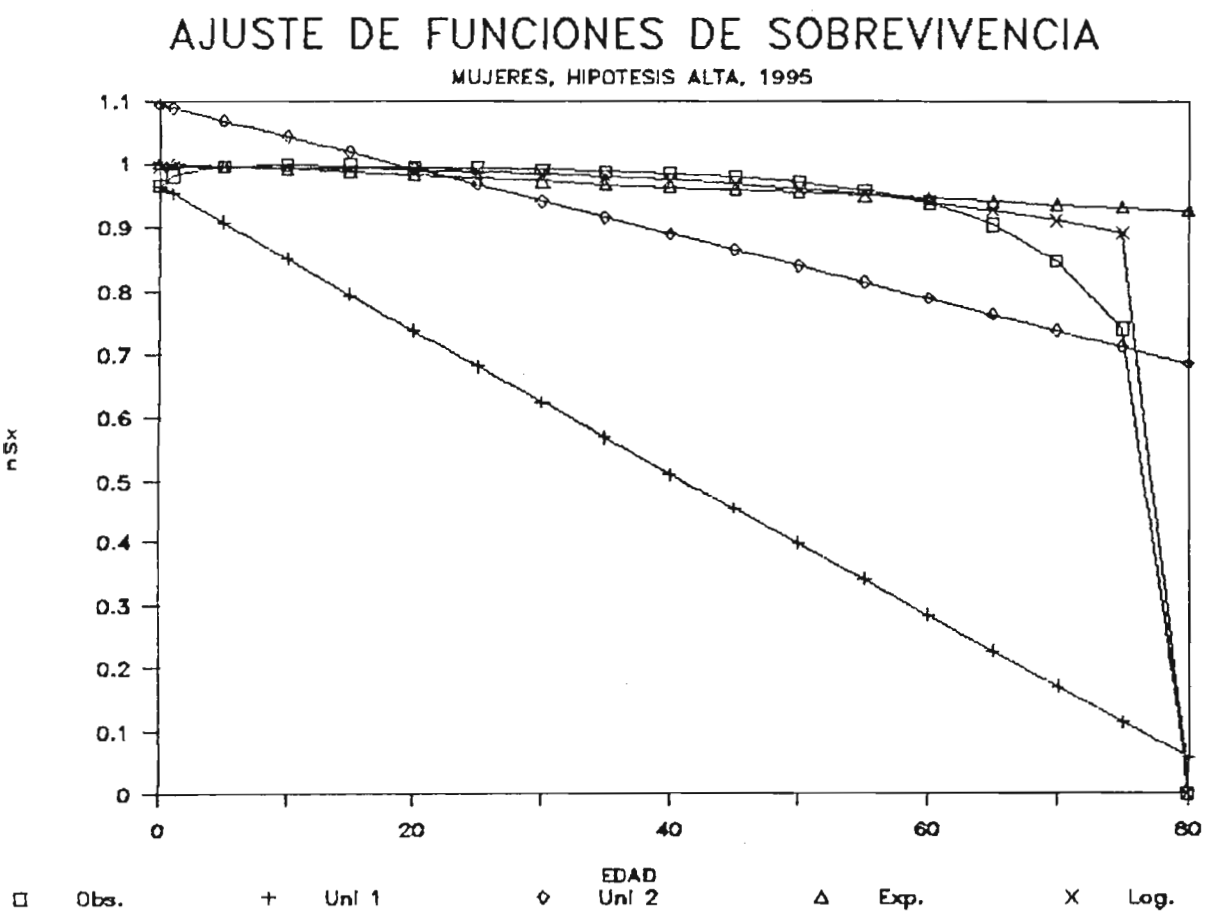
Gráficas 87 y 88



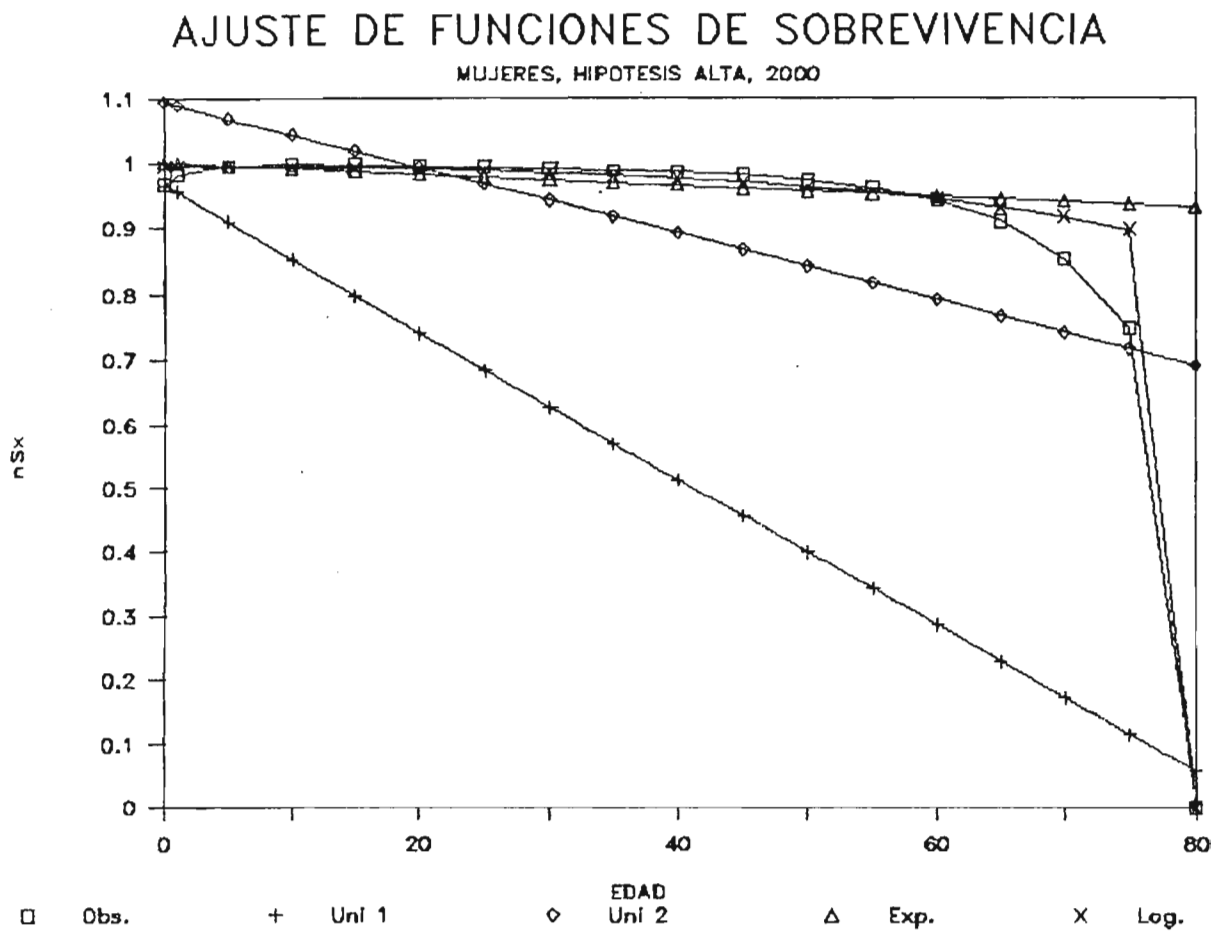


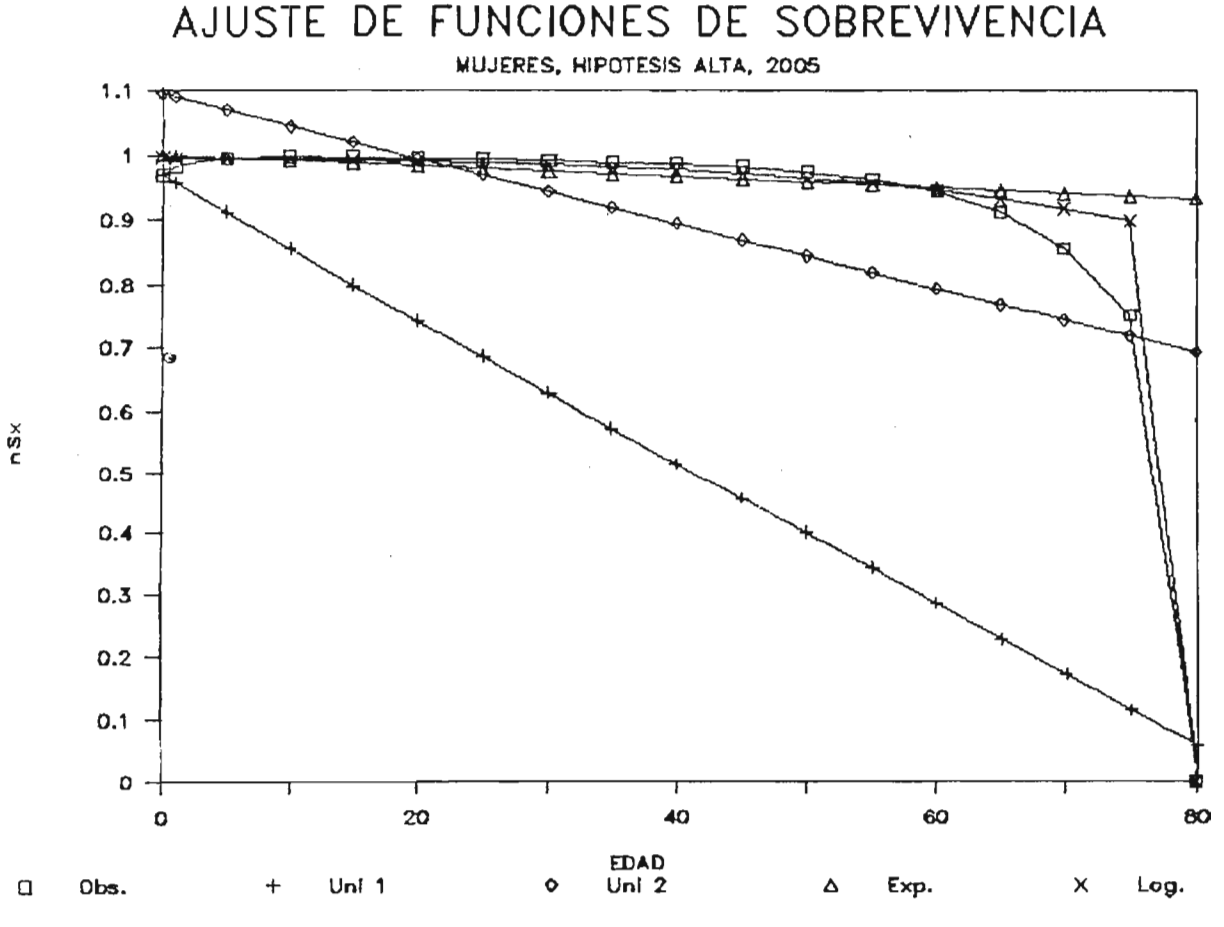
Gráficas 89 y 90



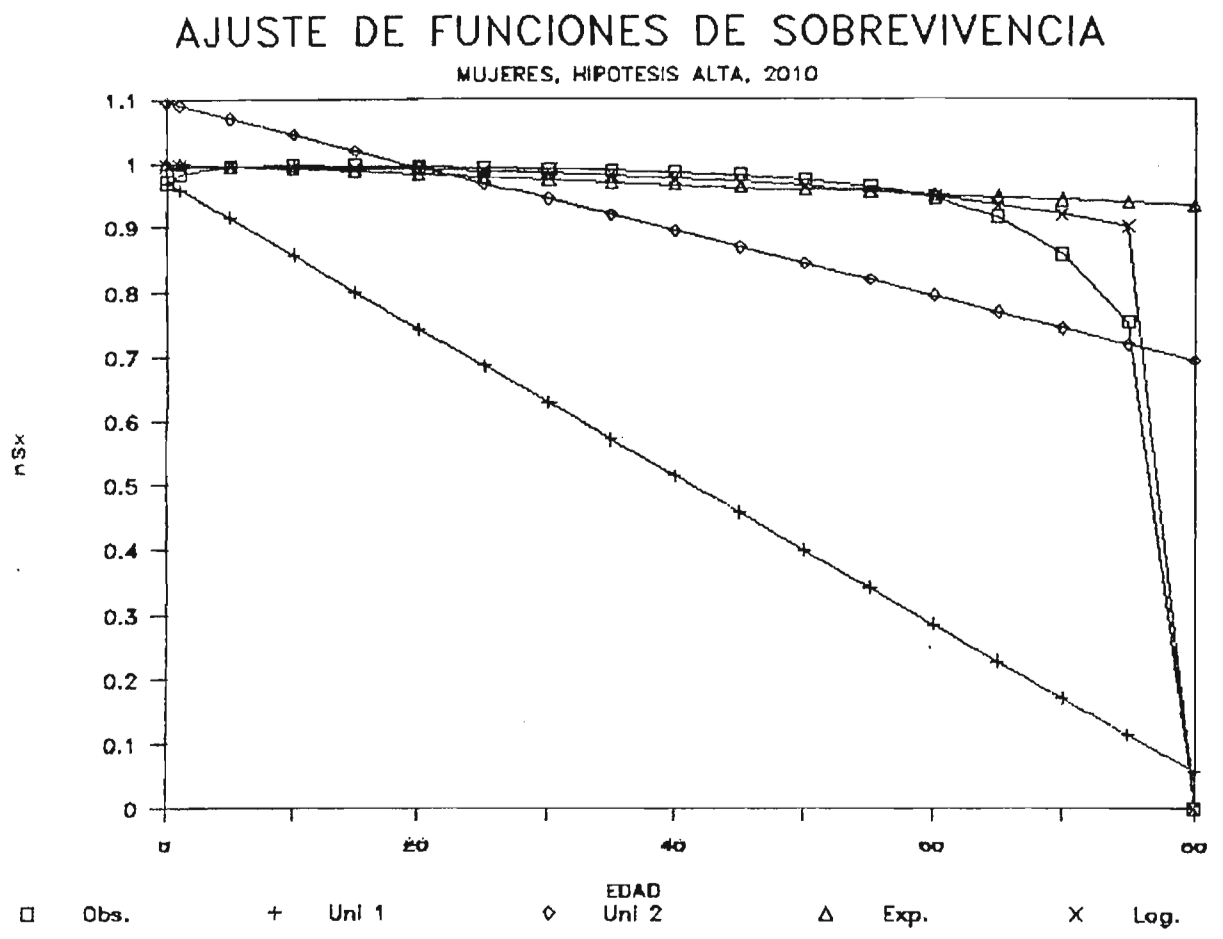


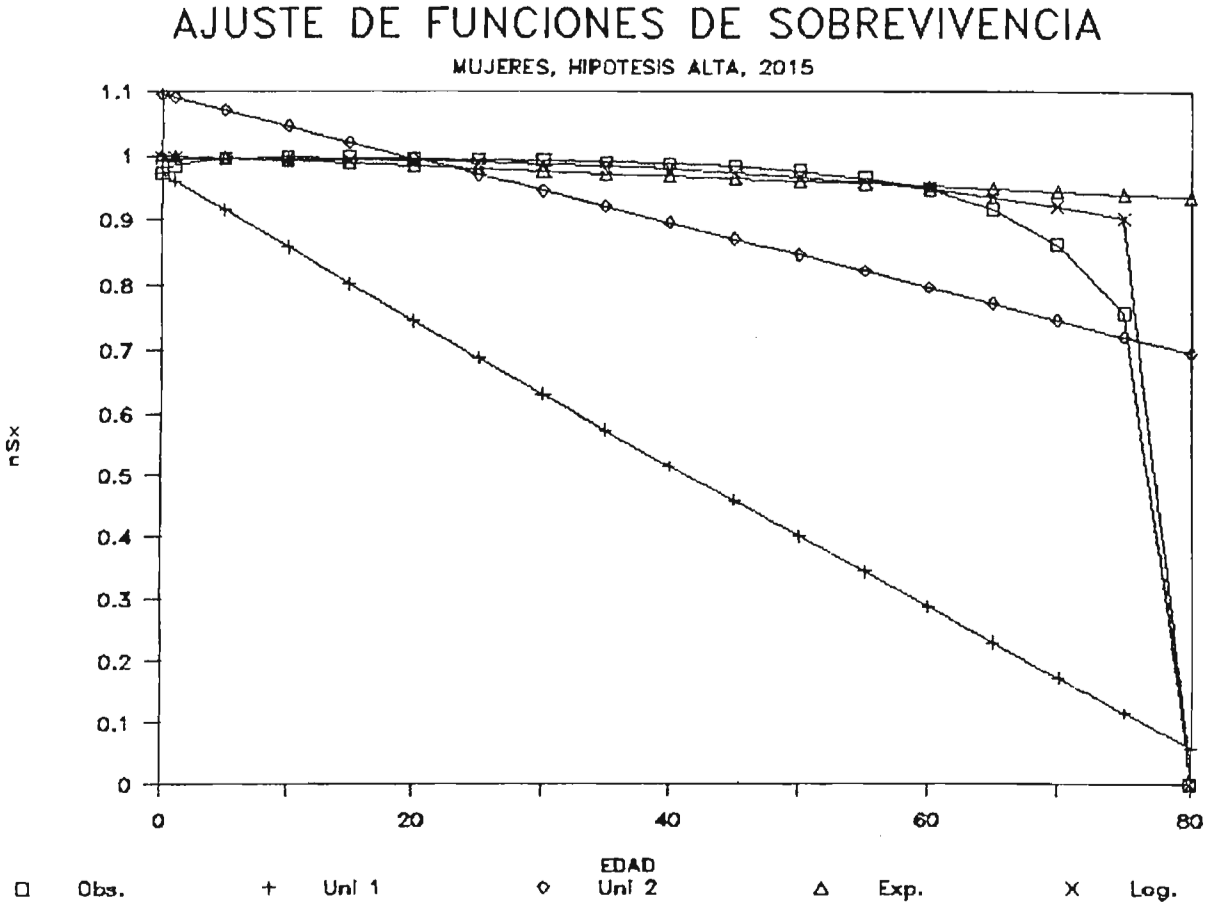
Gráficas 91 y 92



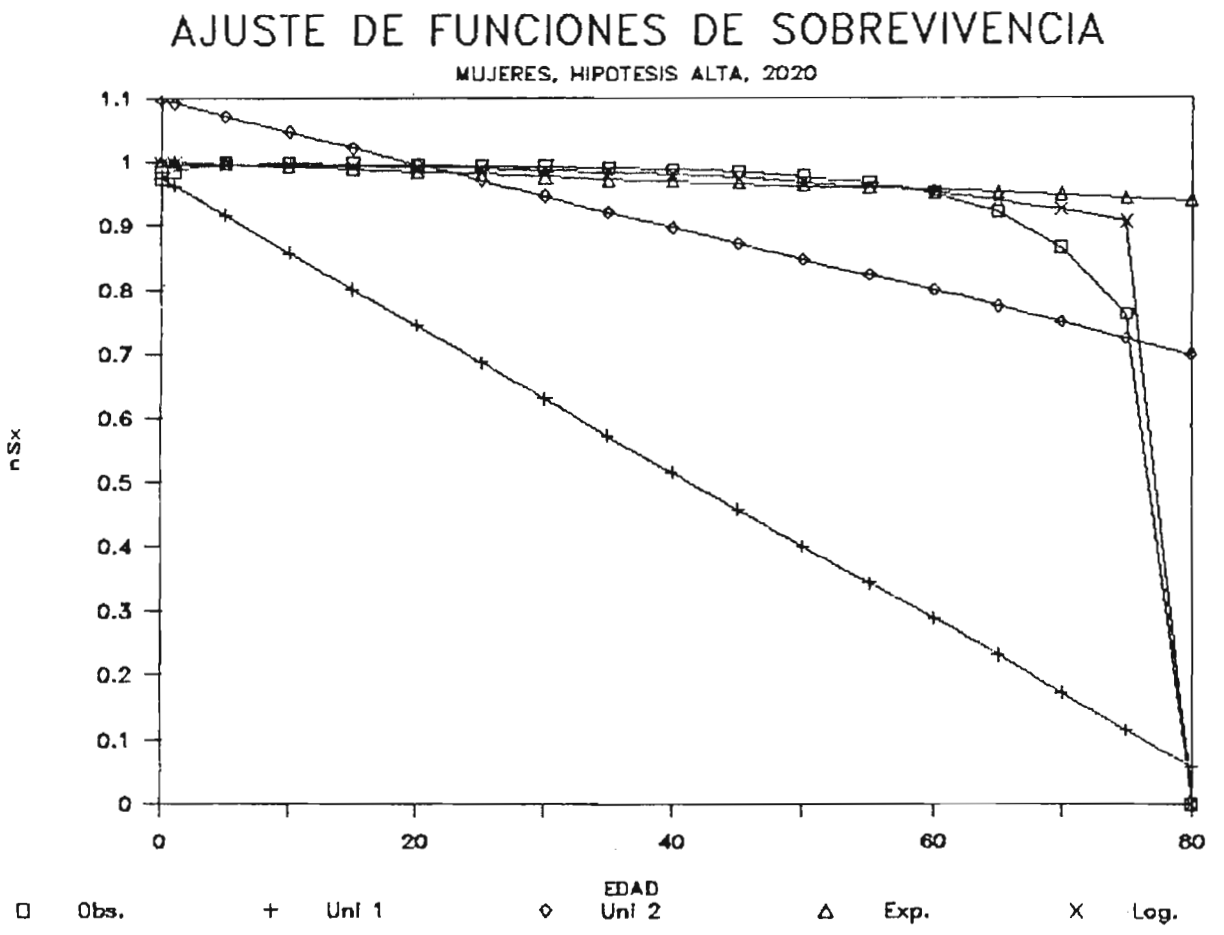


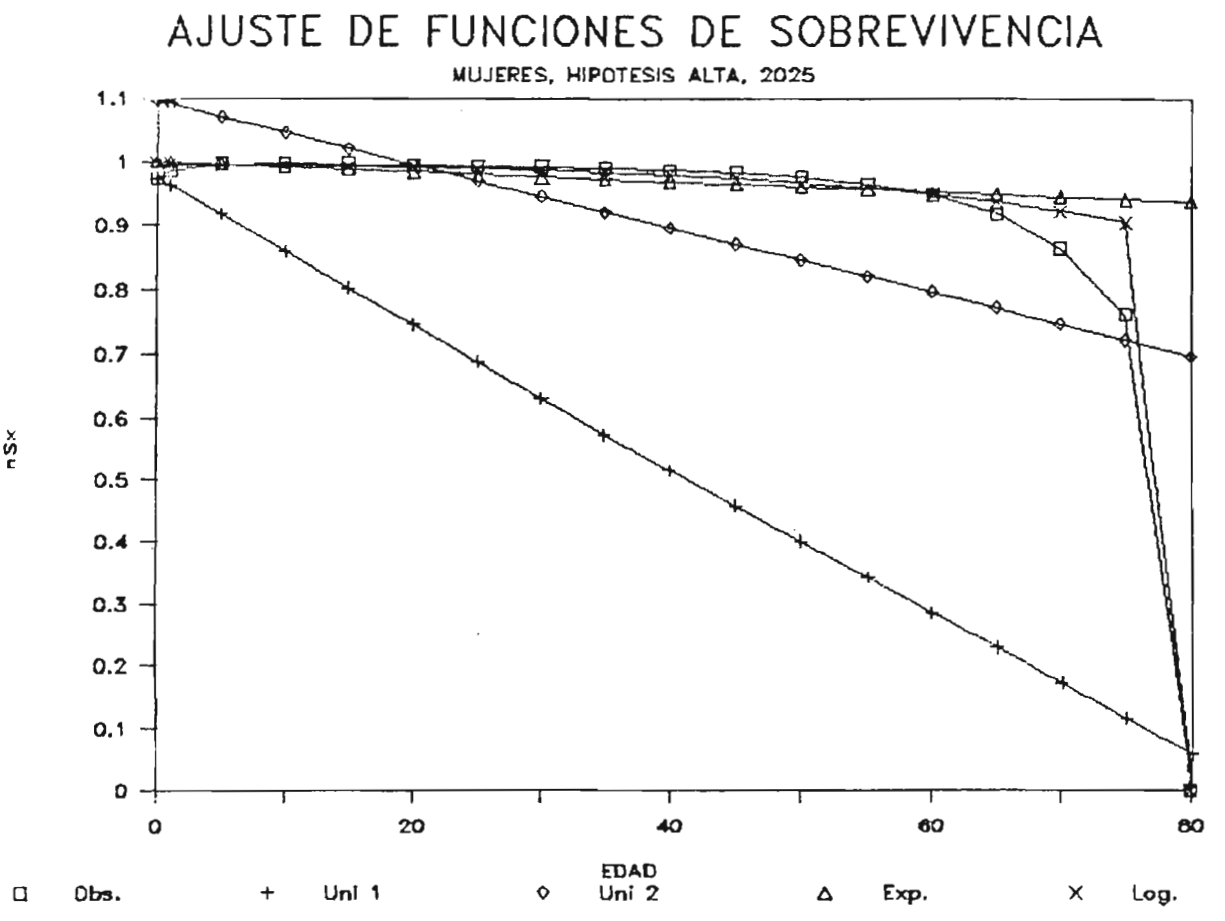
Gráficas 93 y 94



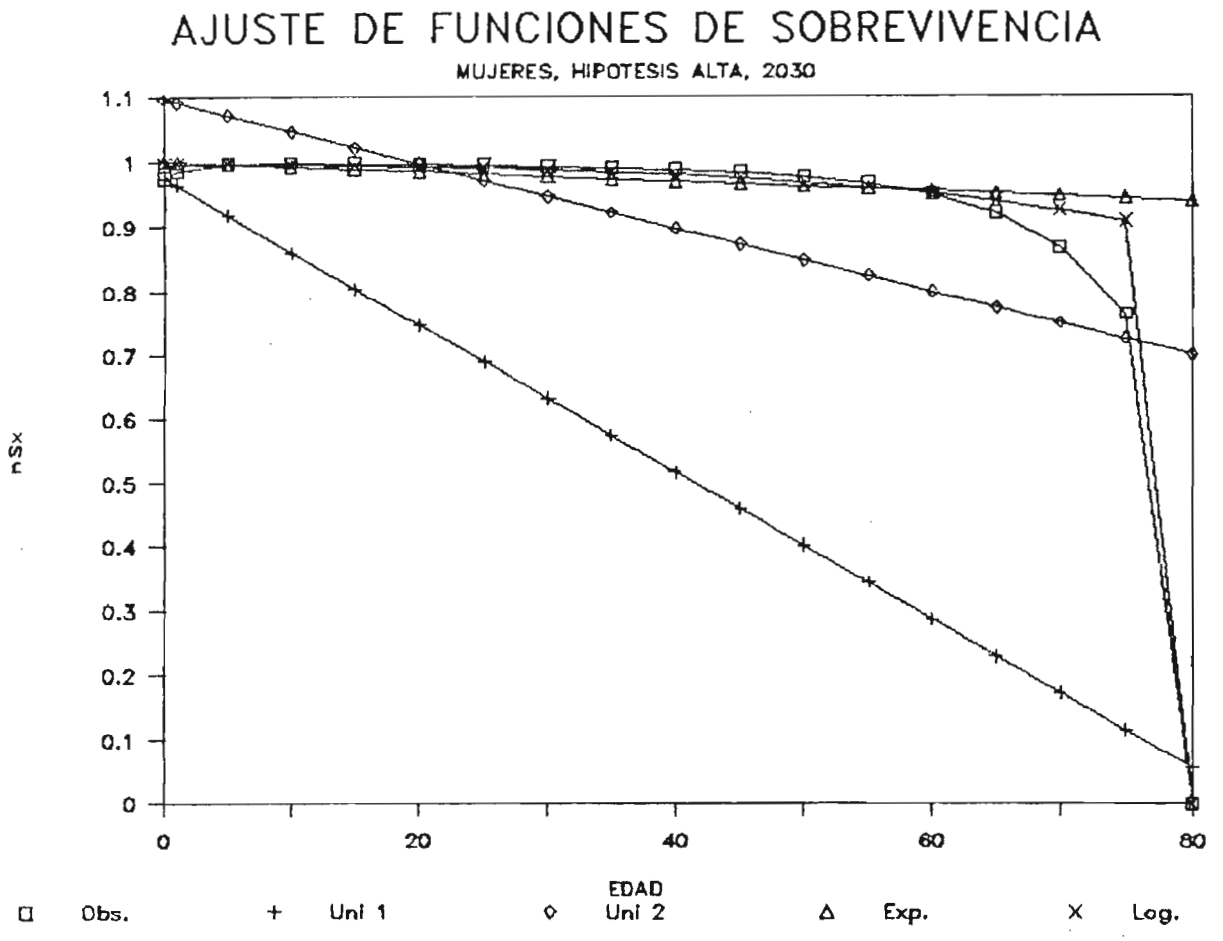


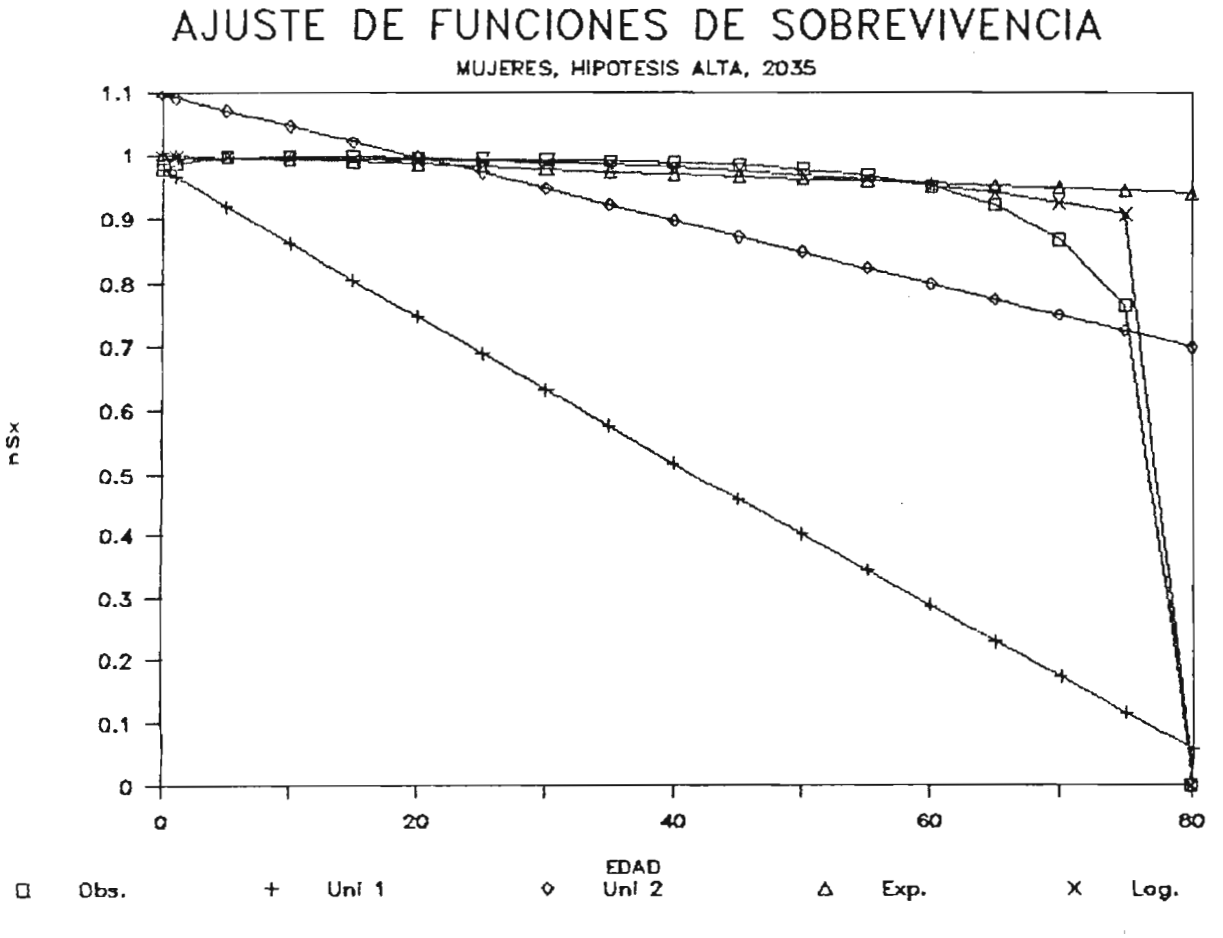
Gráficas 95 y 96



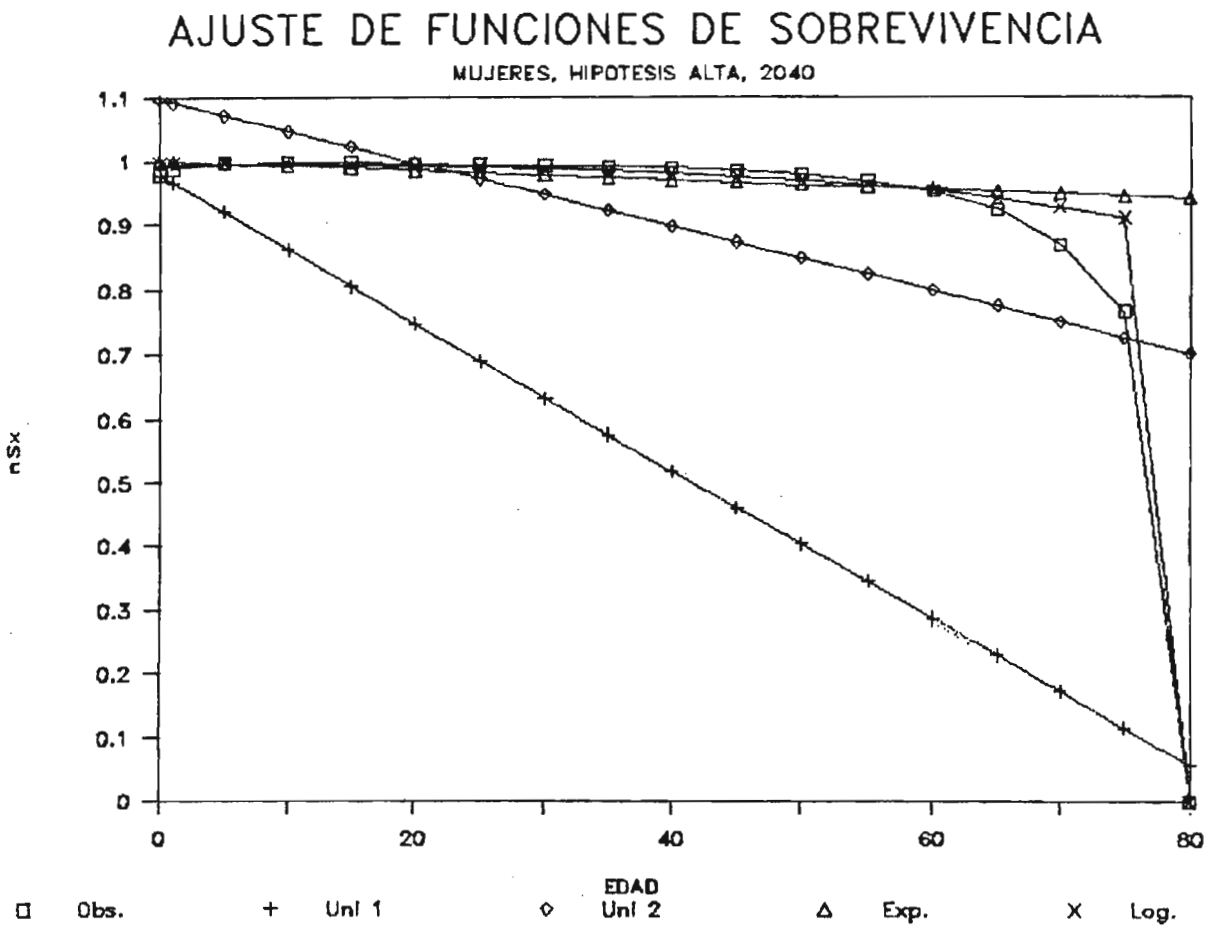


Gráficas 97 y 98





Gráfica 99


AJUSTE DE FUNCIONES DE SOBREVIVENCIA
MUJERES, HIPOTESIS ALTA, 2040
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1
0.9
0.8
0.7
0.6
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0.3
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20
40
60
80
EDAD
Obs.
Unl 1
Unl 2
Exp.
Log.

Cuadro 56

COMPARACION DE PROBABILIDADES FEMENINAS PROYECTADAS, OBSERVADAS Y ESTIMADAS, 1980 - 2040

Hipótesis Alta

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
						PROBABILIDADES OBSERVADAS							
0	0.92672	0.93449	0.94061	0.94550	0.94945	0.95268	0.95535	0.95757	0.95944	0.96102	0.96236	0.96352	0.96453
5	0.99312	0.99379	0.99432	0.99474	0.99509	0.99537	0.99560	0.99580	0.99596	0.99610	0.99621	0.99631	0.99640
10	0.99628	0.99664	0.99693	0.99715	0.99734	0.99749	0.99762	0.99772	0.99781	0.99788	0.99794	0.99800	0.99804
15	0.99478	0.99528	0.99568	0.99599	0.99625	0.99646	0.99664	0.99678	0.99691	0.99701	0.99710	0.99717	0.99723
20	0.99195	0.99271	0.99332	0.99380	0.99419	0.99452	0.99479	0.99501	0.99519	0.99535	0.99548	0.99560	0.99570
25	0.98956	0.99053	0.99130	0.99192	0.99242	0.99284	0.99318	0.99347	0.99370	0.99391	0.99408	0.99422	0.99435
30	0.98672	0.98792	0.98888	0.98966	0.99029	0.99081	0.99124	0.99160	0.99190	0.99215	0.99236	0.99255	0.99270
35	0.98337	0.98484	0.98601	0.98696	0.98774	0.98838	0.98891	0.98935	0.98972	0.99003	0.99030	0.99052	0.99071
40	0.97983	0.98185	0.98294	0.98406	0.98499	0.98574	0.98637	0.98690	0.98734	0.98771	0.98802	0.98829	0.98852
45	0.97363	0.97580	0.97755	0.97897	0.98014	0.98111	0.98191	0.98258	0.98314	0.98361	0.98401	0.98435	0.98464
50	0.96346	0.96630	0.96862	0.97051	0.97207	0.97336	0.97444	0.97533	0.97609	0.97672	0.97725	0.97771	0.97810
55	0.94890	0.95260	0.95563	0.95813	0.96020	0.96192	0.96335	0.96455	0.96556	0.96640	0.96712	0.96772	0.96823
60	0.92597	0.93080	0.93481	0.93815	0.94092	0.94324	0.94517	0.94680	0.94816	0.94931	0.95027	0.95109	0.95177
65	0.88877	0.89501	0.90026	0.90467	0.90837	0.91148	0.91409	0.91628	0.91812	0.91966	0.92096	0.92205	0.92296
70	0.82649	0.83412	0.84065	0.84623	0.85096	0.85496	0.85834	0.86118	0.86356	0.86555	0.86721	0.86859	0.86973
75	0.71913	0.72719	0.73425	0.74038	0.74565	0.75014	0.75394	0.75712	0.75978	0.76197	0.76376	0.76521	0.76635
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
						PROBABILIDADES ESTIMADAS							
						Gompertz							
0	1.01018	1.00784	1.00639	1.00526	1.00439	1.00375	1.00324	1.00283	1.00248	1.00222	1.00199	1.00179	1.00162
5	1.00920	1.00707	1.00576	1.00473	1.00394	1.00335	1.00288	1.00251	1.00219	1.00194	1.00173	1.00155	1.00140
10	1.00782	1.00599	1.00485	1.00396	1.00327	1.00276	1.00235	1.00203	1.00174	1.00153	1.00135	1.00119	1.00105
15	1.00592	1.00446	1.00356	1.00285	1.00230	1.00190	1.00157	1.00131	1.00108	1.00091	1.00076	1.00063	1.00052
20	1.00328	1.00230	1.00171	1.00124	1.00088	1.00062	1.00040	1.00023	1.00008	0.99997	0.99987	0.99979	0.99971
25	0.99963	0.99926	0.99907	0.99893	0.99881	0.99874	0.99868	0.99863	0.99858	0.99855	0.99852	0.99850	0.99847
30	0.99457	0.99497	0.99531	0.99558	0.99579	0.99597	0.99612	0.99624	0.99633	0.99641	0.99648	0.99653	0.99658
35	0.98757	0.98895	0.98996	0.99076	0.99140	0.99192	0.99233	0.99267	0.99295	0.99319	0.99338	0.99355	0.99369
40	0.97793	0.98049	0.98235	0.98383	0.98501	0.98596	0.98674	0.98737	0.98789	0.98833	0.98870	0.98901	0.98928
45	0.96469	0.96867	0.97156	0.97389	0.97576	0.97726	0.97848	0.97949	0.98034	0.98104	0.98163	0.98213	0.98256
50	0.94658	0.95221	0.95632	0.95968	0.96239	0.96456	0.96636	0.96784	0.96909	0.97012	0.97099	0.97173	0.97237
55	0.92197	0.92941	0.93495	0.93948	0.94317	0.94616	0.94863	0.95068	0.95241	0.95384	0.95505	0.95608	0.95697
60	0.88882	0.89813	0.90519	0.91101	0.91578	0.91967	0.92291	0.92559	0.92787	0.92975	0.93134	0.93270	0.93386
65	0.84471	0.85571	0.86425	0.87133	0.87718	0.88198	0.88599	0.88933	0.89216	0.89450	0.89647	0.89815	0.89957
70	0.78701	0.79915	0.80887	0.81695	0.82367	0.82923	0.83388	0.83776	0.84103	0.84373	0.84599	0.84790	0.84949
75	0.71328	0.72553	0.73575	0.74422	0.75129	0.75718	0.76210	0.76619	0.76960	0.77241	0.77473	0.77663	0.77817
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Cuadro 56
(Continuación)

COMPARACION DE PROBABILIDADES FEMENINAS PROYECTADAS, OBSERVADAS Y ESTIMADAS, 1980 - 2040

Hipótesis Alta

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
						PROBABILIDADES ESTIMADAS							
						Gompertz - Makeham							
0	1.04513	1.04140	1.03855	1.03615	1.03413	1.03249	1.03110	1.02994	1.02893	1.02811	1.02740	1.02679	1.02625
5	1.03869	1.03546	1.03301	1.03094	1.02920	1.02779	1.02659	1.02559	1.02471	1.02401	1.02340	1.02287	1.02241
10	1.03189	1.02923	1.02722	1.02551	1.02407	1.02291	1.02192	1.02109	1.02037	1.01978	1.01928	1.01884	1.01845
15	1.02460	1.02258	1.02106	1.01976	1.01866	1.01777	1.01701	1.01638	1.01581	1.01536	1.01497	1.01463	1.01433
20	1.01661	1.01533	1.01438	1.01354	1.01283	1.01225	1.01175	1.01132	1.01094	1.01064	1.01037	1.01014	1.00994
25	1.00764	1.00724	1.00694	1.00664	1.00637	1.00615	1.00594	1.00576	1.00559	1.00546	1.00534	1.00523	1.00513
30	0.99734	0.99796	0.99842	0.99876	0.99900	0.99919	0.99933	0.99943	0.99951	0.99957	0.99962	0.99966	0.99969
35	0.98518	0.98701	0.98837	0.98945	0.99029	0.99098	0.99152	0.99197	0.99233	0.99264	0.99289	0.99310	0.99328
40	0.97050	0.97374	0.97615	0.97810	0.97967	0.98093	0.98197	0.98282	0.98353	0.98411	0.98461	0.98503	0.98538
45	0.95239	0.95724	0.96088	0.96385	0.96627	0.96822	0.96984	0.97117	0.97230	0.97322	0.97400	0.97467	0.97525
50	0.92966	0.93632	0.94136	0.94551	0.94891	0.95167	0.95397	0.95587	0.95748	0.95881	0.95994	0.96090	0.96173
55	0.90079	0.90938	0.91597	0.92144	0.92595	0.92963	0.93270	0.93526	0.93743	0.93922	0.94074	0.94205	0.94316
60	0.86389	0.87443	0.88264	0.88949	0.89518	0.89985	0.90376	0.90702	0.90980	0.91210	0.91405	0.91572	0.91715
65	0.81676	0.82900	0.83875	0.84692	0.85374	0.85938	0.86412	0.86808	0.87146	0.87425	0.87662	0.87864	0.88035
70	0.75701	0.77038	0.78130	0.79049	0.79820	0.80462	0.81003	0.81455	0.81839	0.82157	0.82425	0.82652	0.82841
75	0.68254	0.69595	0.70733	0.71687	0.72491	0.73165	0.73732	0.74206	0.74604	0.74933	0.75207	0.75434	0.75619
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Fuente : Cuadros 25, 36 y 40.

Cuadro 57

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS
OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Alta

Edad	Observadas	Gompertz	% error	Gompertz Makeham	% error
			1 9 8 0		
0	0.92672	1.01018	-0.0835	1.04513	-0.1184
5	0.99312	1.00920	-0.0161	1.03869	-0.0456
10	0.99628	1.00782	-0.0115	1.03189	-0.0356
15	0.99478	1.00592	-0.0111	1.02460	-0.0298
20	0.99195	1.00328	-0.0113	1.01661	-0.0247
25	0.98956	0.99963	-0.0101	1.00764	-0.0181
30	0.98672	0.99457	-0.0078	0.99734	-0.0106
35	0.98337	0.98757	-0.0042	0.98518	-0.0018
40	0.97983	0.97793	0.0019	0.97050	0.0093
45	0.97363	0.96469	0.0089	0.95239	0.0212
50	0.96346	0.94658	0.0169	0.92966	0.0338
55	0.94890	0.92197	0.0269	0.90079	0.0481
60	0.92597	0.88882	0.0371	0.86389	0.0621
65	0.88877	0.84471	0.0441	0.81676	0.0720
70	0.82649	0.78701	0.0395	0.75701	0.0695
75	0.71913	0.71328	0.0058	0.68254	0.0366
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			2.23		4.22
			1 9 8 5		
0	0.93449	1.00784	-0.0734	1.04140	-0.1069
5	0.99379	1.00707	-0.0133	1.03546	-0.0417
10	0.99664	1.00599	-0.0093	1.02923	-0.0326
15	0.99528	1.00446	-0.0092	1.02258	-0.0273
20	0.99271	1.00230	-0.0096	1.01533	-0.0226
25	0.99033	0.99926	-0.0087	1.00724	-0.0167
30	0.98792	0.99497	-0.0071	0.99796	-0.0100
35	0.98484	0.98895	-0.0041	0.98701	-0.0022
40	0.98185	0.98049	0.0014	0.97374	0.0081
45	0.97580	0.96867	0.0071	0.95724	0.0186
50	0.96630	0.95221	0.0141	0.93632	0.0300
55	0.95260	0.92941	0.0232	0.90938	0.0432
60	0.93080	0.89813	0.0327	0.87443	0.0564
65	0.89501	0.85571	0.0393	0.82900	0.0660
70	0.83412	0.79915	0.0350	0.77038	0.0637
75	0.72719	0.72553	0.0017	0.69595	0.0312
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.91		3.81

Cuadro 57
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS
OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Alta

Edad	Observadas	Gompertz	Z error	Gompertz Makeham	Z error
			1990		
0	0.94061	1.00639	-0.0658	1.03855	-0.0979
5	0.99432	1.00576	-0.0114	1.03301	-0.0387
10	0.99693	1.00485	-0.0079	1.02722	-0.0303
15	0.99568	1.00356	-0.0079	1.02106	-0.0254
20	0.99332	1.00171	-0.0084	1.01438	-0.0211
25	0.99130	0.99907	-0.0078	1.00694	-0.0156
30	0.98888	0.99531	-0.0064	0.99842	-0.0095
35	0.98601	0.98996	-0.0039	0.98837	-0.0024
40	0.98294	0.98235	0.0006	0.97615	0.0068
45	0.97755	0.97156	0.0060	0.96088	0.0167
50	0.96862	0.95632	0.0123	0.94136	0.0273
55	0.95563	0.93495	0.0207	0.91597	0.0397
60	0.93481	0.90519	0.0296	0.88264	0.0522
65	0.90026	0.86425	0.0360	0.83875	0.0615
70	0.84065	0.80887	0.0318	0.78130	0.0593
75	0.73425	0.73575	-0.0015	0.70733	0.0269
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.70		3.50
			2000		
0	0.94550	1.00526	-0.0598	1.03615	-0.0906
5	0.99474	1.00473	-0.0100	1.03094	-0.0362
10	0.99715	1.00396	-0.0068	1.02551	-0.0284
15	0.99599	1.00285	-0.0069	1.01976	-0.0238
20	0.99380	1.00124	-0.0074	1.01354	-0.0197
25	0.99192	0.99893	-0.0070	1.00664	-0.0147
30	0.98966	0.99558	-0.0059	0.99876	-0.0091
35	0.98696	0.99076	-0.0038	0.98945	-0.0025
40	0.98406	0.98383	0.0002	0.97810	0.0060
45	0.97897	0.97389	0.0051	0.96385	0.0151
50	0.97051	0.95968	0.0108	0.94551	0.0250
55	0.95813	0.93948	0.0187	0.92144	0.0367
60	0.93815	0.91101	0.0271	0.88949	0.0487
65	0.90467	0.87133	0.0333	0.84692	0.0578
70	0.84623	0.81695	0.0293	0.79049	0.0557
75	0.74038	0.74422	-0.0038	0.71687	0.0235
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.55		3.24

Cuadro 57

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS
OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Alta

Edad	Observadas	Gompertz	% error	Gompertz Makeham	% error
			2000		
0	0.94945	1.00439	-0.0549	1.03413	-0.0847
5	0.99509	1.00394	-0.0088	1.02920	-0.0341
10	0.99734	1.00327	-0.0059	1.02407	-0.0267
15	0.99625	1.00230	-0.0060	1.01866	-0.0224
20	0.99419	1.00088	-0.0067	1.01283	-0.0186
25	0.99242	0.99881	-0.0064	1.00637	-0.0139
30	0.99029	0.99579	-0.0055	0.99900	-0.0087
35	0.98774	0.99140	-0.0037	0.99029	-0.0026
40	0.98499	0.98501	0.0000	0.97967	0.0053
45	0.98014	0.97576	0.0044	0.96627	0.0139
50	0.97207	0.96239	0.0097	0.94891	0.0232
55	0.96020	0.94317	0.0170	0.92595	0.0342
60	0.94092	0.91578	0.0251	0.89518	0.0457
65	0.90837	0.87718	0.0312	0.85374	0.0546
70	0.85096	0.82367	0.0273	0.79820	0.0528
75	0.74565	0.75129	-0.0056	0.72491	0.0207
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.43		3.03
			2005		
0	0.95268	1.00375	-0.0511	1.03249	-0.0798
5	0.99537	1.00335	-0.0080	1.02779	-0.0324
10	0.99749	1.00276	-0.0053	1.02291	-0.0254
15	0.99646	1.00190	-0.0054	1.01777	-0.0213
20	0.99452	1.00062	-0.0061	1.01225	-0.0177
25	0.99284	0.99874	-0.0059	1.00615	-0.0133
30	0.99081	0.99597	-0.0052	0.99919	-0.0084
35	0.98838	0.99192	-0.0035	0.99098	-0.0026
40	0.98574	0.98596	-0.0002	0.98093	0.0048
45	0.98111	0.97726	0.0039	0.96822	0.0129
50	0.97336	0.96456	0.0088	0.95167	0.0217
55	0.96192	0.94616	0.0158	0.92963	0.0323
60	0.94324	0.91967	0.0236	0.89985	0.0434
65	0.91148	0.88198	0.0295	0.85938	0.0521
70	0.85496	0.82923	0.0257	0.80462	0.0503
75	0.75014	0.75718	-0.0070	0.73165	0.0185
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.34		2.86

Cuadro 57
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS
OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Alta

Edad	Observadas	Goepertz	% error	Gompertz Makeham	% error
			2 0 1 0		
0	0.95535	1.00324	-0.0479	1.03110	-0.0757
5	0.99560	1.00288	-0.0073	1.02659	-0.0310
10	0.99762	1.00235	-0.0047	1.02192	-0.0243
15	0.99664	1.00157	-0.0049	1.01701	-0.0204
20	0.99479	1.00040	-0.0056	1.01175	-0.0170
25	0.99318	0.99868	-0.0055	1.00594	-0.0128
30	0.99124	0.99612	-0.0049	0.99933	-0.0081
35	0.98891	0.99233	-0.0034	0.99152	-0.0026
40	0.98637	0.98674	-0.0004	0.98197	0.0044
45	0.98191	0.97848	0.0034	0.96984	0.0121
50	0.97444	0.96636	0.0081	0.95397	0.0205
55	0.96335	0.94863	0.0147	0.93270	0.0306
60	0.94517	0.92291	0.0223	0.90376	0.0414
65	0.91409	0.88599	0.0281	0.86412	0.0500
70	0.85834	0.83388	0.0245	0.81003	0.0483
75	0.75394	0.76210	-0.0082	0.73732	0.0166
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.27		2.72
			2 0 1 5		
0	0.95757	1.00283	-0.0453	1.02994	-0.0724
5	0.99580	1.00251	-0.0067	1.02559	-0.0298
10	0.99772	1.00203	-0.0043	1.02109	-0.0234
15	0.99678	1.00131	-0.0045	1.01638	-0.0196
20	0.99501	1.00023	-0.0052	1.01132	-0.0163
25	0.99347	0.99863	-0.0052	1.00576	-0.0123
30	0.99160	0.99624	-0.0046	0.99943	-0.0078
35	0.98935	0.99267	-0.0033	0.99197	-0.0026
40	0.98690	0.98737	-0.0005	0.98282	0.0041
45	0.98258	0.97949	0.0031	0.97117	0.0114
50	0.97533	0.96784	0.0075	0.95587	0.0195
55	0.96455	0.95068	0.0139	0.93526	0.0293
60	0.94680	0.92559	0.0212	0.90702	0.0398
65	0.91628	0.88933	0.0270	0.86808	0.0482
70	0.86118	0.83776	0.0234	0.81455	0.0466
75	0.75712	0.76619	-0.0091	0.74206	0.0151
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.21		2.60

Cuadro 57
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS
OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Alta

Edad	Observadas	Gompertz	% error	Gompertz Makeham	% error
			2020		
0	0.95944	1.00248	-0.0430	1.02893	-0.0695
5	0.99596	1.00219	-0.0062	1.02471	-0.0288
10	0.99781	1.00174	-0.0039	1.02037	-0.0226
15	0.99691	1.00108	-0.0042	1.01581	-0.0189
20	0.99519	1.00008	-0.0049	1.01094	-0.0158
25	0.99370	0.99858	-0.0049	1.00559	-0.0119
30	0.99190	0.99633	-0.0044	0.99951	-0.0076
35	0.98972	0.99295	-0.0032	0.99233	-0.0026
40	0.98734	0.98789	-0.0006	0.98353	0.0038
45	0.98314	0.98034	0.0028	0.97230	0.0108
50	0.97609	0.96909	0.0070	0.95748	0.0186
55	0.96556	0.95241	0.0131	0.93743	0.0281
60	0.94816	0.92787	0.0203	0.90980	0.0384
65	0.91812	0.89216	0.0260	0.87146	0.0467
70	0.86356	0.84103	0.0225	0.81839	0.0452
75	0.75978	0.76960	-0.0098	0.74604	0.0137
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.15		2.50
			2025		
0	0.96102	1.00222	-0.0412	1.02811	-0.0671
5	0.99610	1.00194	-0.0058	1.02401	-0.0279
10	0.99788	1.00153	-0.0037	1.01978	-0.0219
15	0.99701	1.00091	-0.0039	1.01536	-0.0184
20	0.99535	0.99997	-0.0046	1.01064	-0.0153
25	0.99391	0.99855	-0.0046	1.00546	-0.0115
30	0.99215	0.99641	-0.0043	0.99957	-0.0074
35	0.99003	0.99319	-0.0032	0.99264	-0.0026
40	0.98771	0.98833	-0.0006	0.98411	0.0036
45	0.98361	0.98104	0.0026	0.97322	0.0104
50	0.97672	0.97012	0.0066	0.95881	0.0179
55	0.96640	0.95384	0.0126	0.93922	0.0272
60	0.94931	0.92975	0.0196	0.91210	0.0372
65	0.91966	0.89450	0.0252	0.87425	0.0454
70	0.86555	0.84373	0.0218	0.82157	0.0440
75	0.76197	0.77241	-0.0104	0.74933	0.0126
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.11		2.42

Cuadro 57
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS
OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Alta

Edad	Observadas	Gompertz	% error	Gompertz Makeham	% error
			2030		
0	0.96236	1.00199	-0.0396	1.02740	-0.0650
5	0.99621	1.00173	-0.0055	1.02340	-0.0272
10	0.99794	1.00135	-0.0034	1.01928	-0.0213
15	0.99710	1.00076	-0.0037	1.01497	-0.0179
20	0.99548	0.99987	-0.0044	1.01037	-0.0149
25	0.99408	0.99852	-0.0044	1.00534	-0.0113
30	0.99236	0.99648	-0.0041	0.99962	-0.0073
35	0.99030	0.99338	-0.0031	0.99289	-0.0026
40	0.98802	0.98870	-0.0007	0.98461	0.0034
45	0.98401	0.98163	0.0024	0.97400	0.0100
50	0.97725	0.97099	0.0063	0.95994	0.0173
55	0.96712	0.95505	0.0121	0.94074	0.0264
60	0.95027	0.93134	0.0189	0.91405	0.0362
65	0.92096	0.89647	0.0245	0.87662	0.0443
70	0.86721	0.84599	0.0212	0.82425	0.0430
75	0.76376	0.77473	-0.0110	0.75207	0.0117
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.08		2.34
			2035		
0	0.96352	1.00179	-0.0383	1.02679	-0.0633
5	0.99631	1.00155	-0.0052	1.02287	-0.0266
10	0.99800	1.00119	-0.0032	1.01884	-0.0208
15	0.99717	1.00063	-0.0035	1.01463	-0.0175
20	0.99560	0.99979	-0.0042	1.01014	-0.0145
25	0.99422	0.99850	-0.0043	1.00523	-0.0110
30	0.99255	0.99653	-0.0040	0.99966	-0.0071
35	0.99052	0.99355	-0.0030	0.99310	-0.0026
40	0.98829	0.98901	-0.0007	0.98503	0.0033
45	0.98435	0.98213	0.0022	0.97467	0.0097
50	0.97771	0.97173	0.0060	0.96090	0.0168
55	0.96772	0.95608	0.0116	0.94205	0.0257
60	0.95109	0.93270	0.0184	0.91572	0.0354
65	0.92205	0.89815	0.0239	0.87864	0.0434
70	0.86859	0.84790	0.0207	0.82652	0.0421
75	0.76521	0.77663	-0.0114	0.75434	0.0109
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.05		2.28

Cuadro 57
(Continuación)

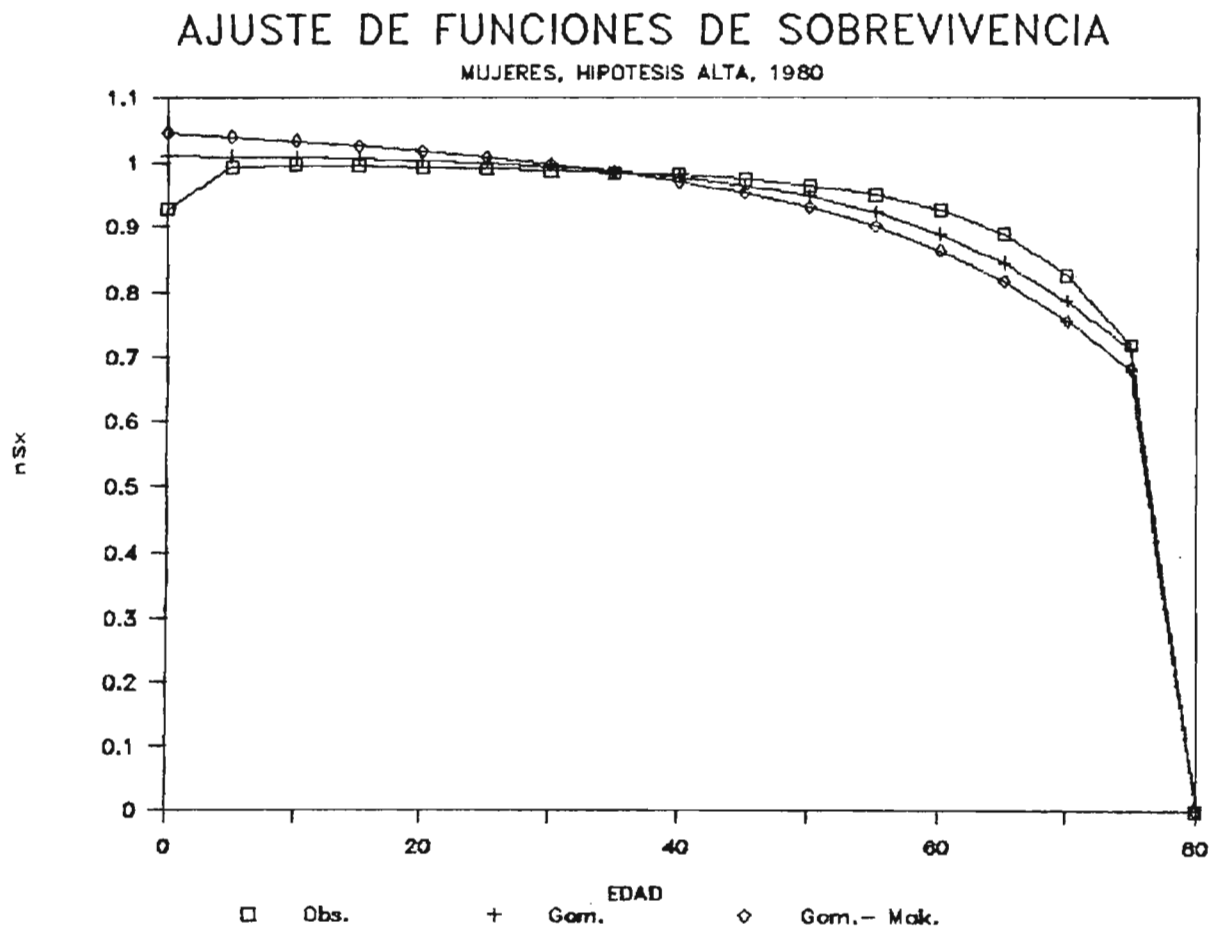
COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS
OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

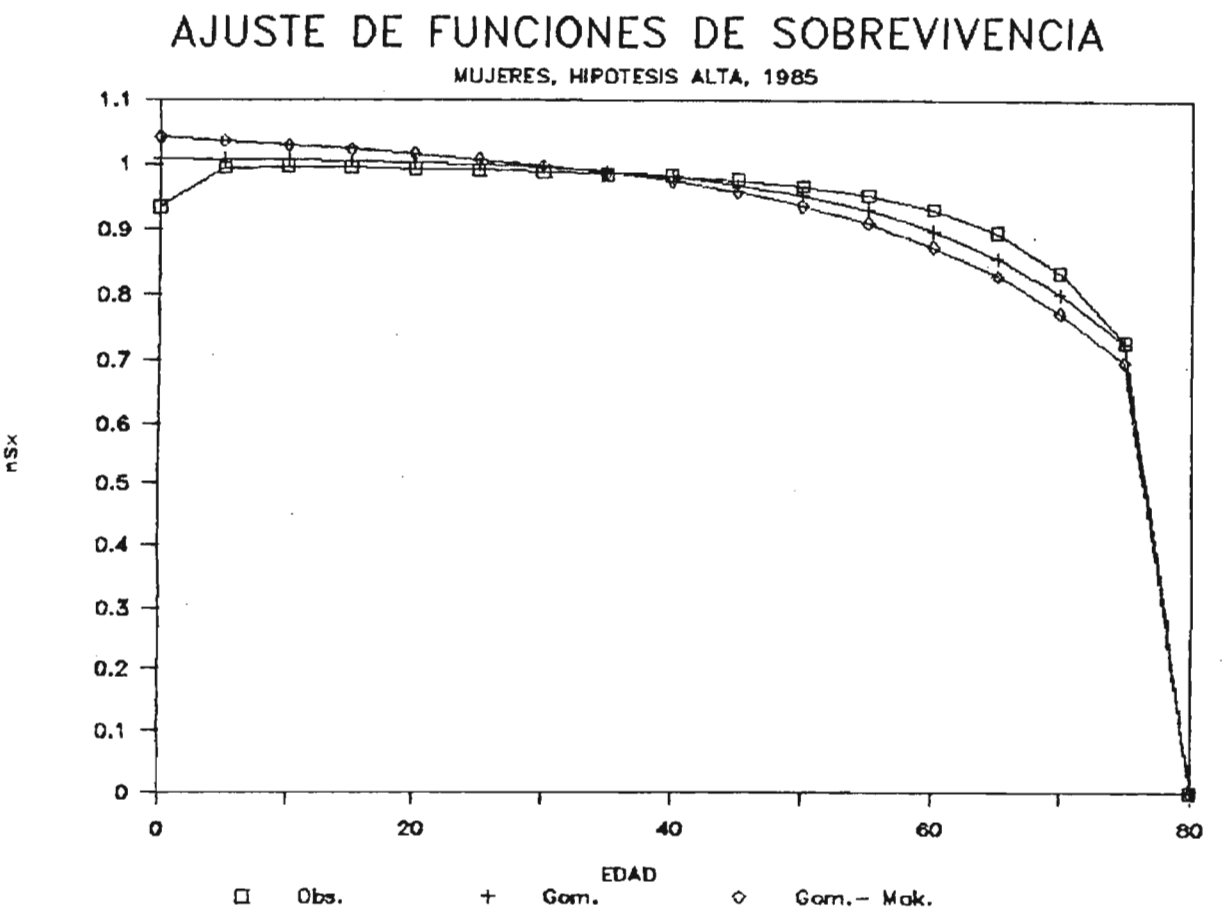
Hipótesis Alta

Edad	Observadas	Gompertz	Z error	Gompertz Makeham	Z error
			2 0 4 0		
0	0.96453	1.00162	-0.0371	1.02625	-0.0617
5	0.99640	1.00140	-0.0050	1.02241	-0.0260
10	0.99804	1.00105	-0.0030	1.01845	-0.0204
15	0.99723	1.00052	-0.0033	1.01433	-0.0171
20	0.99570	0.99971	-0.0040	1.00994	-0.0142
25	0.99435	0.99847	-0.0041	1.00513	-0.0108
30	0.99270	0.99658	-0.0039	0.99969	-0.0070
35	0.99071	0.99369	-0.0030	0.99328	-0.0026
40	0.98852	0.98928	-0.0008	0.98538	0.0031
45	0.98464	0.98256	0.0021	0.97525	0.0094
50	0.97810	0.97237	0.0057	0.96173	0.0164
55	0.96823	0.95697	0.0113	0.94316	0.0251
60	0.95177	0.93386	0.0179	0.91715	0.0346
65	0.92296	0.89957	0.0234	0.88035	0.0426
70	0.86973	0.84949	0.0202	0.82841	0.0413
75	0.76635	0.77817	-0.0118	0.75619	0.0102
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (Z)			1.02		2.23

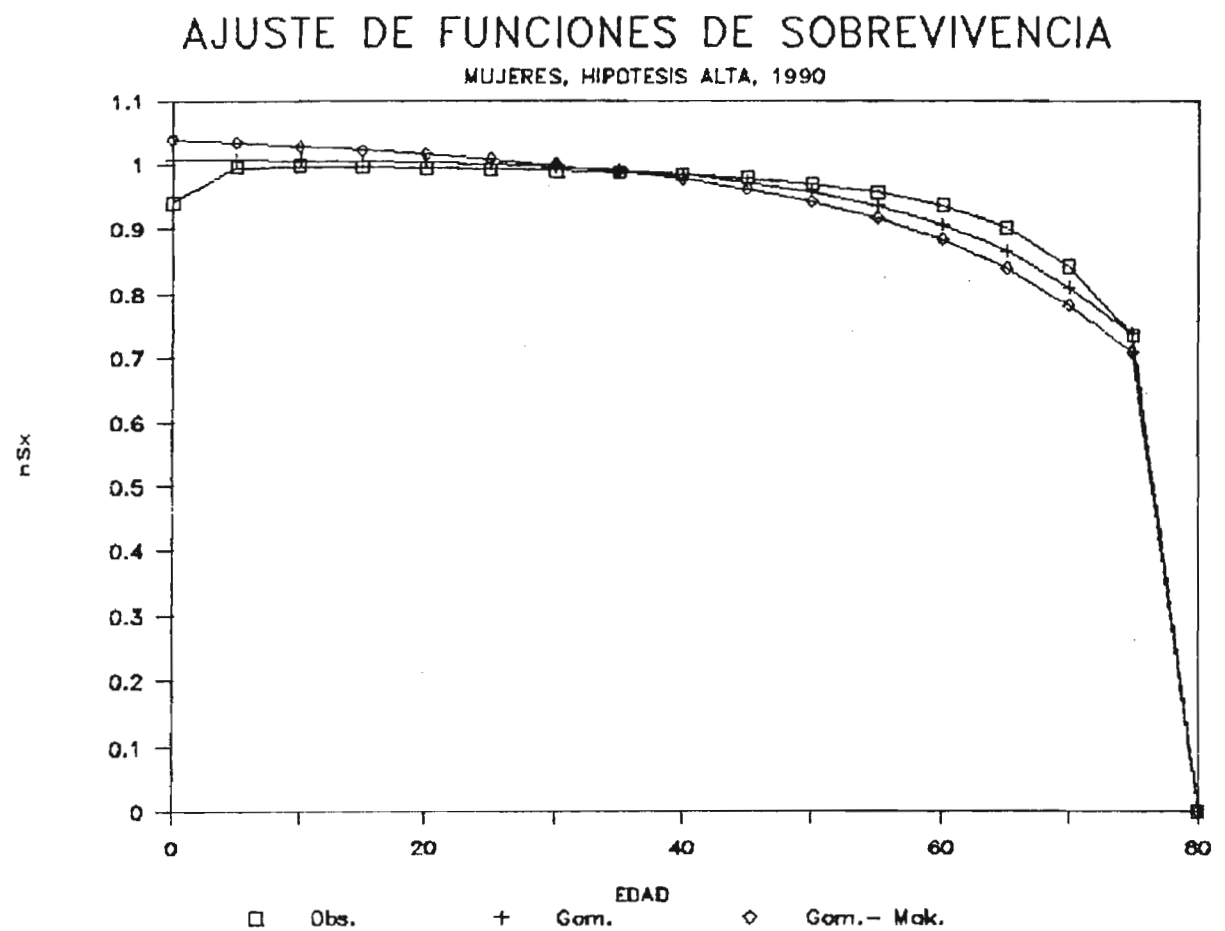
Fuente: Cuadro 56.

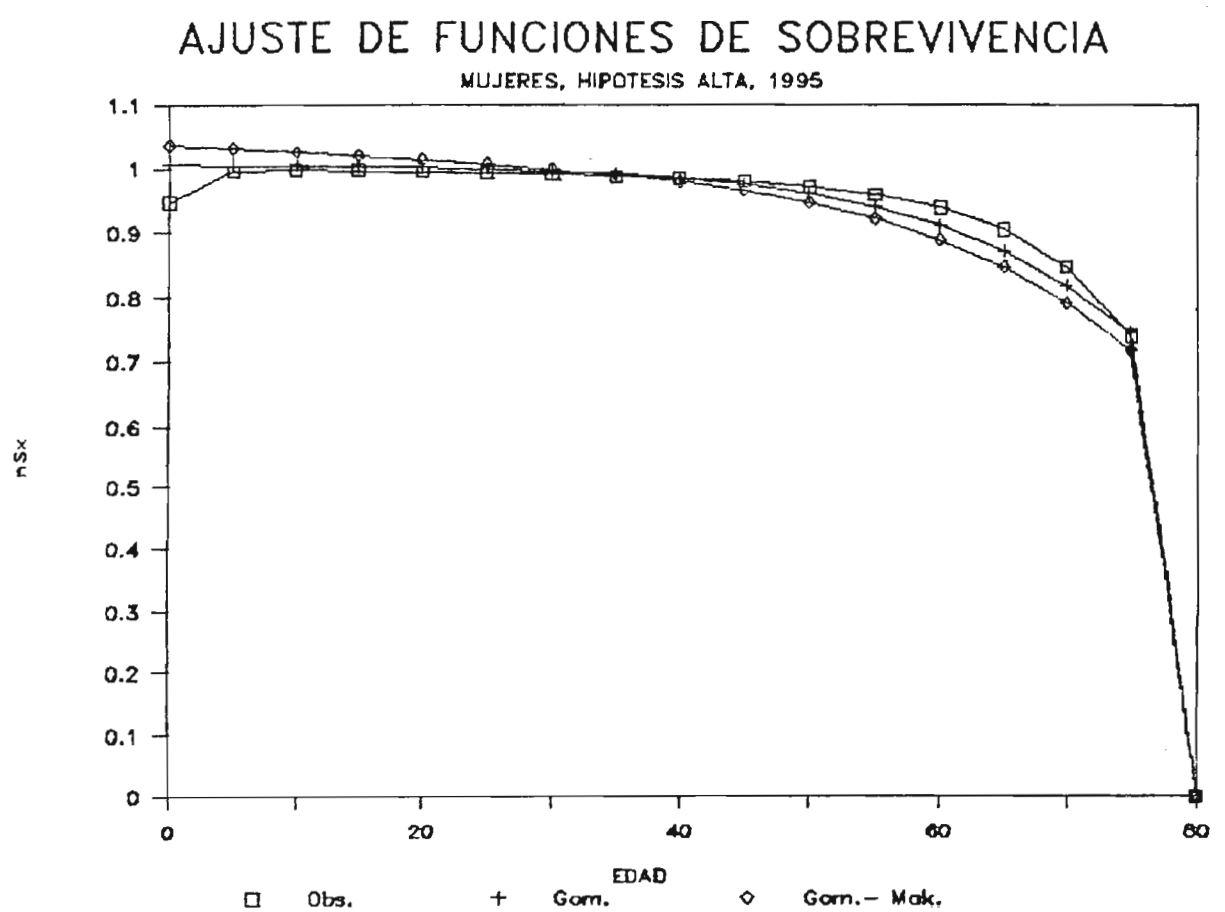
Gráficas 100 y 101



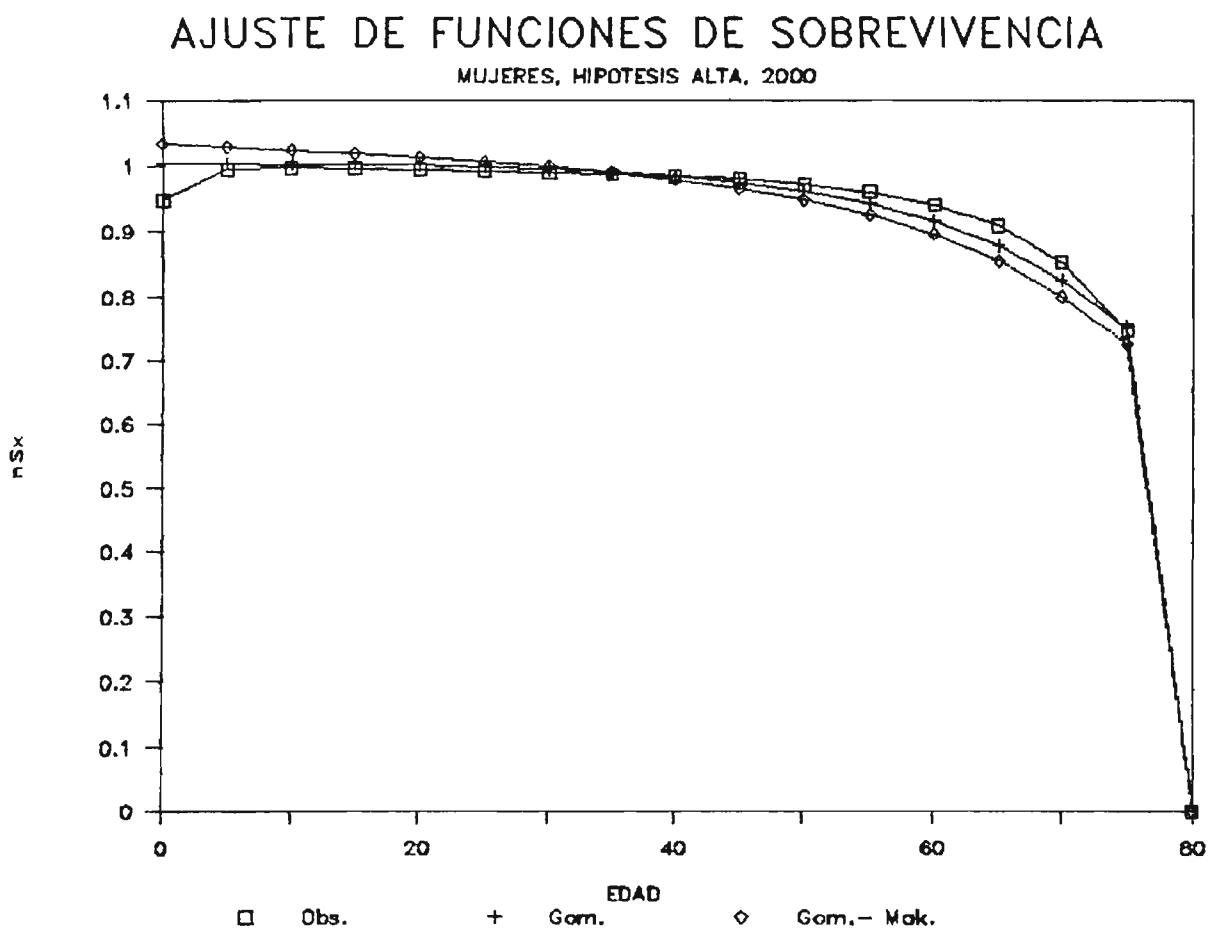


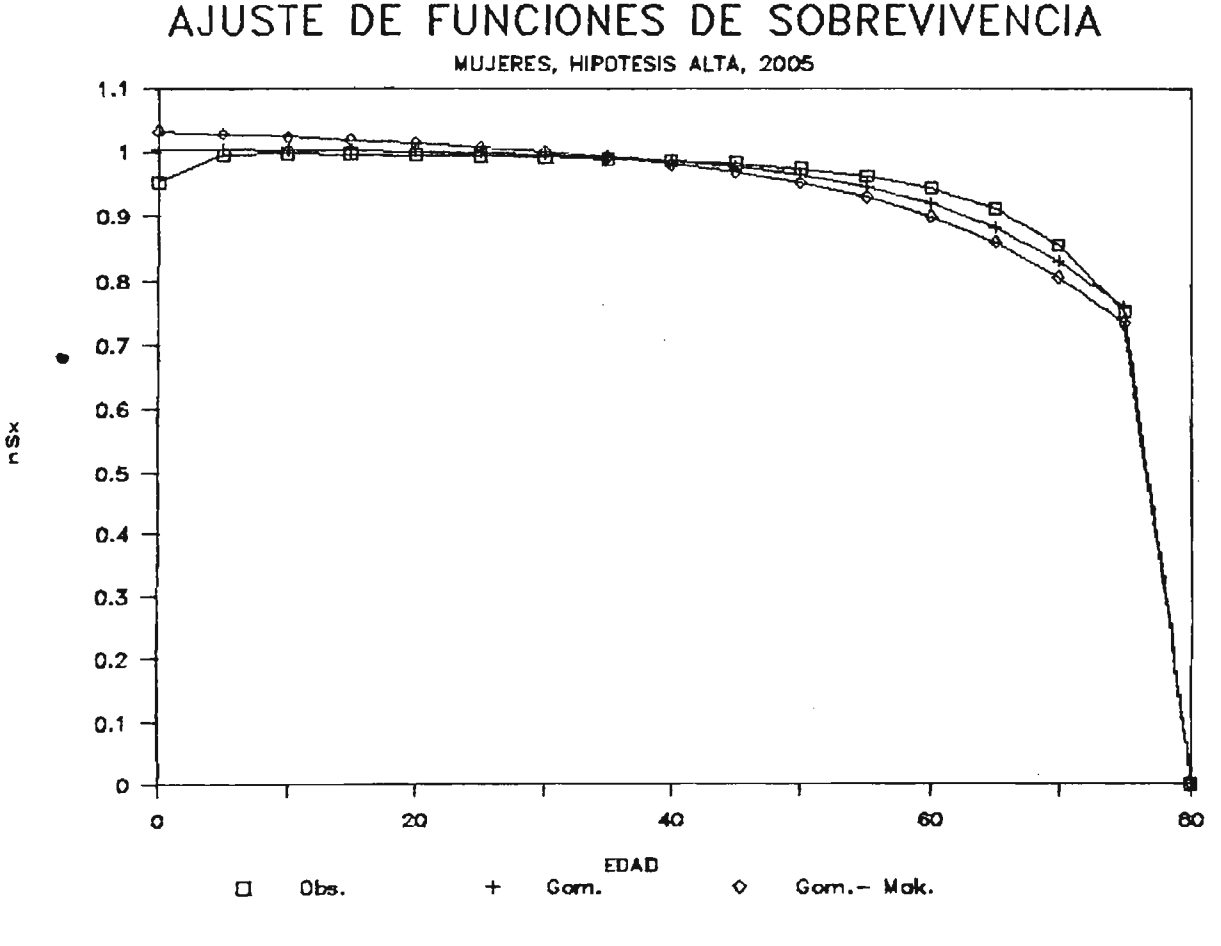
Gráficas 102 y 103



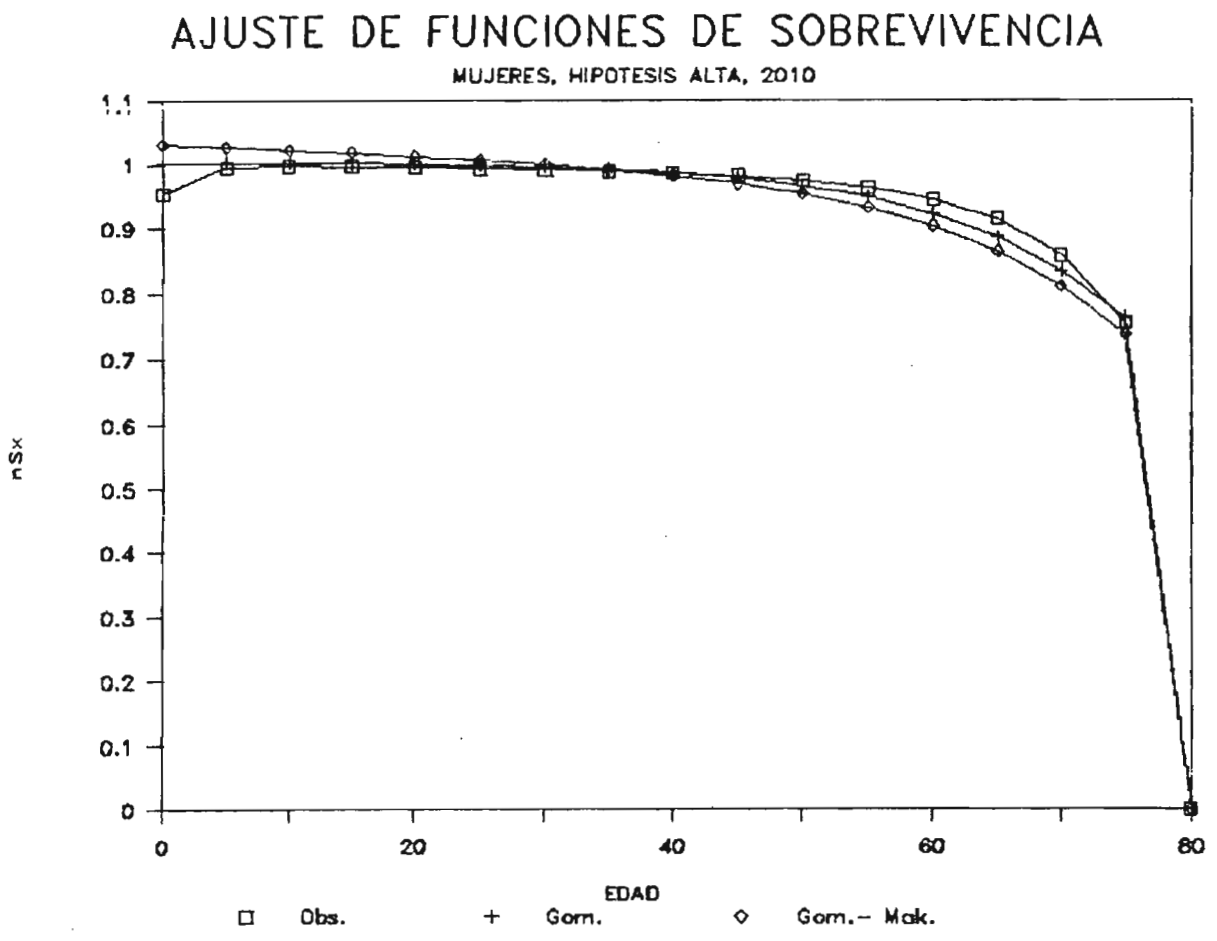


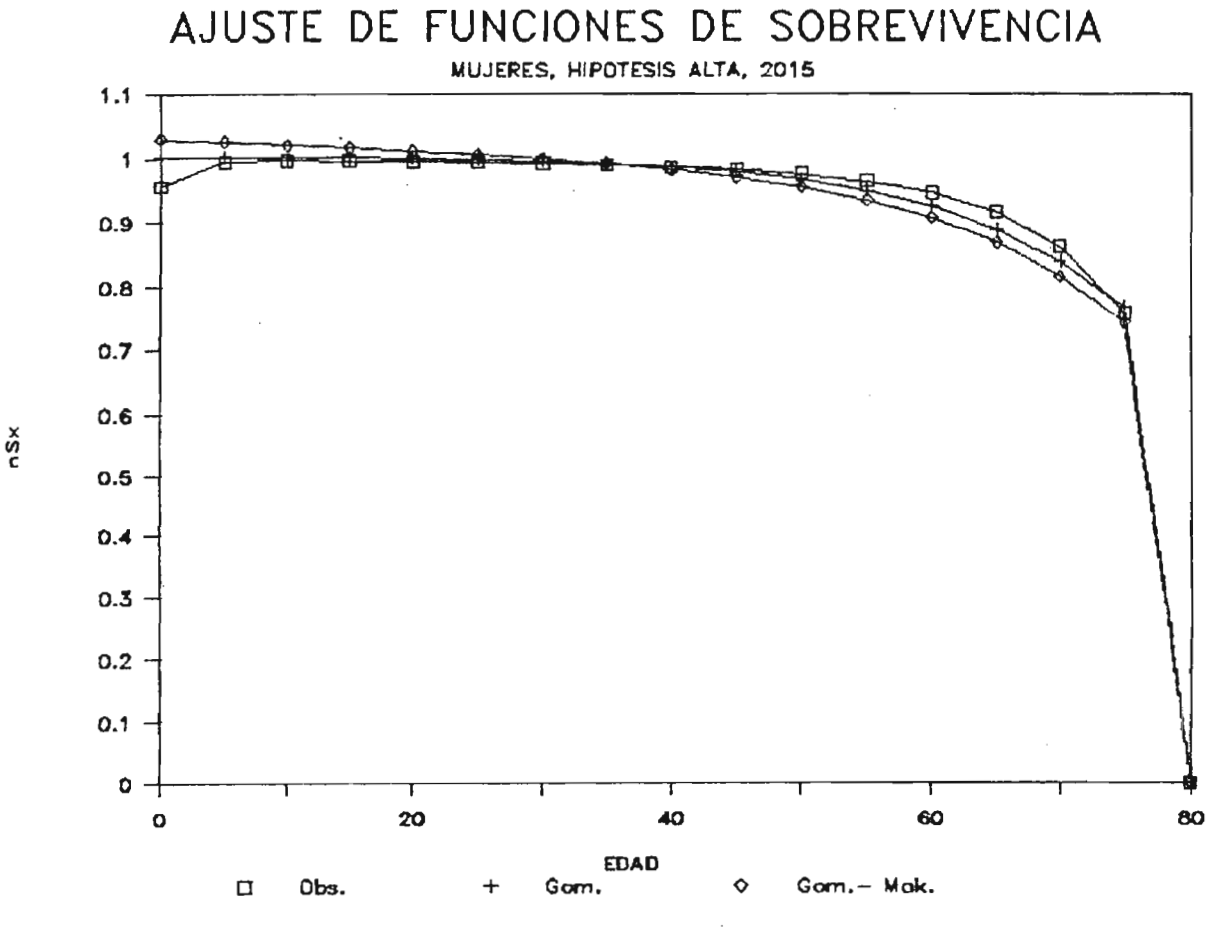
Gráficas 104 y 105



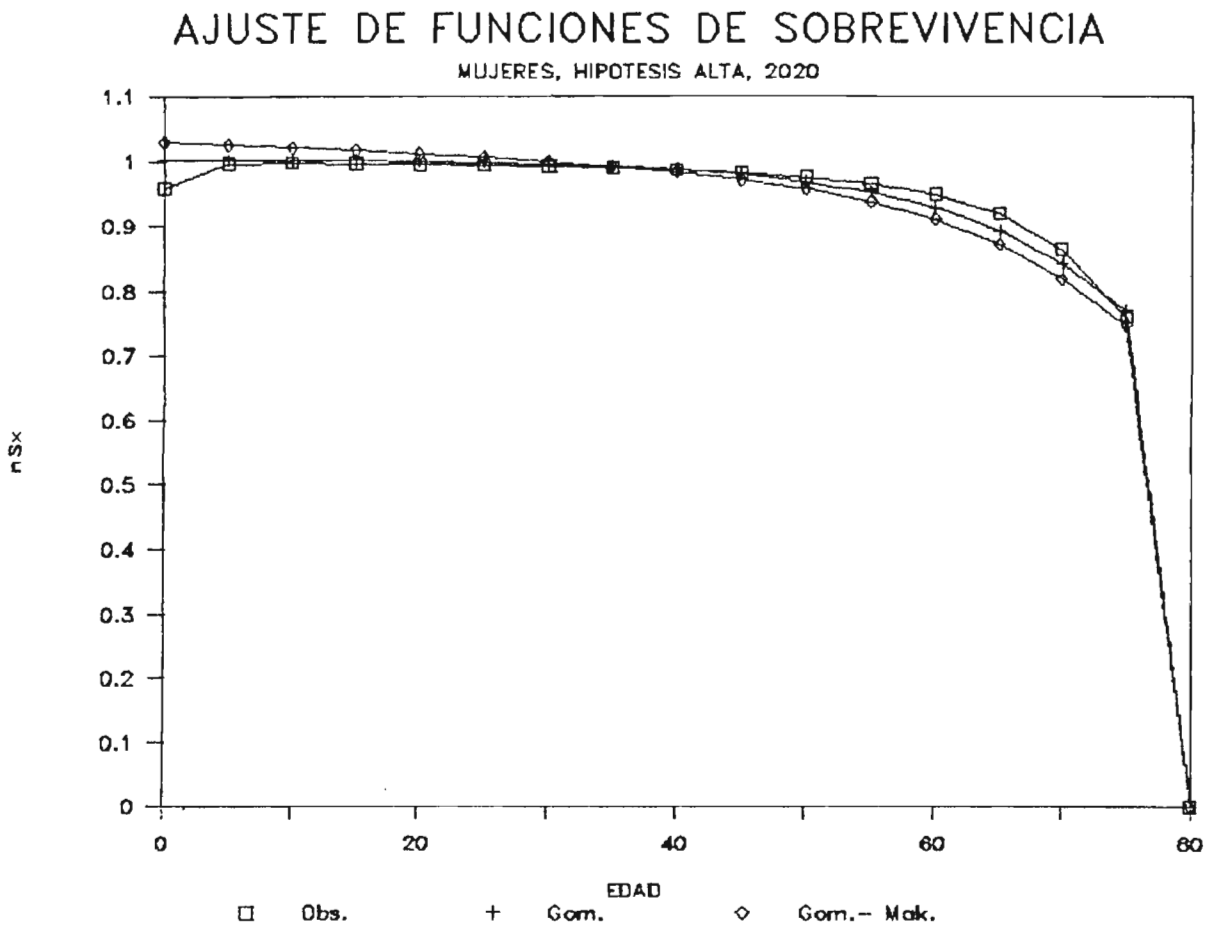


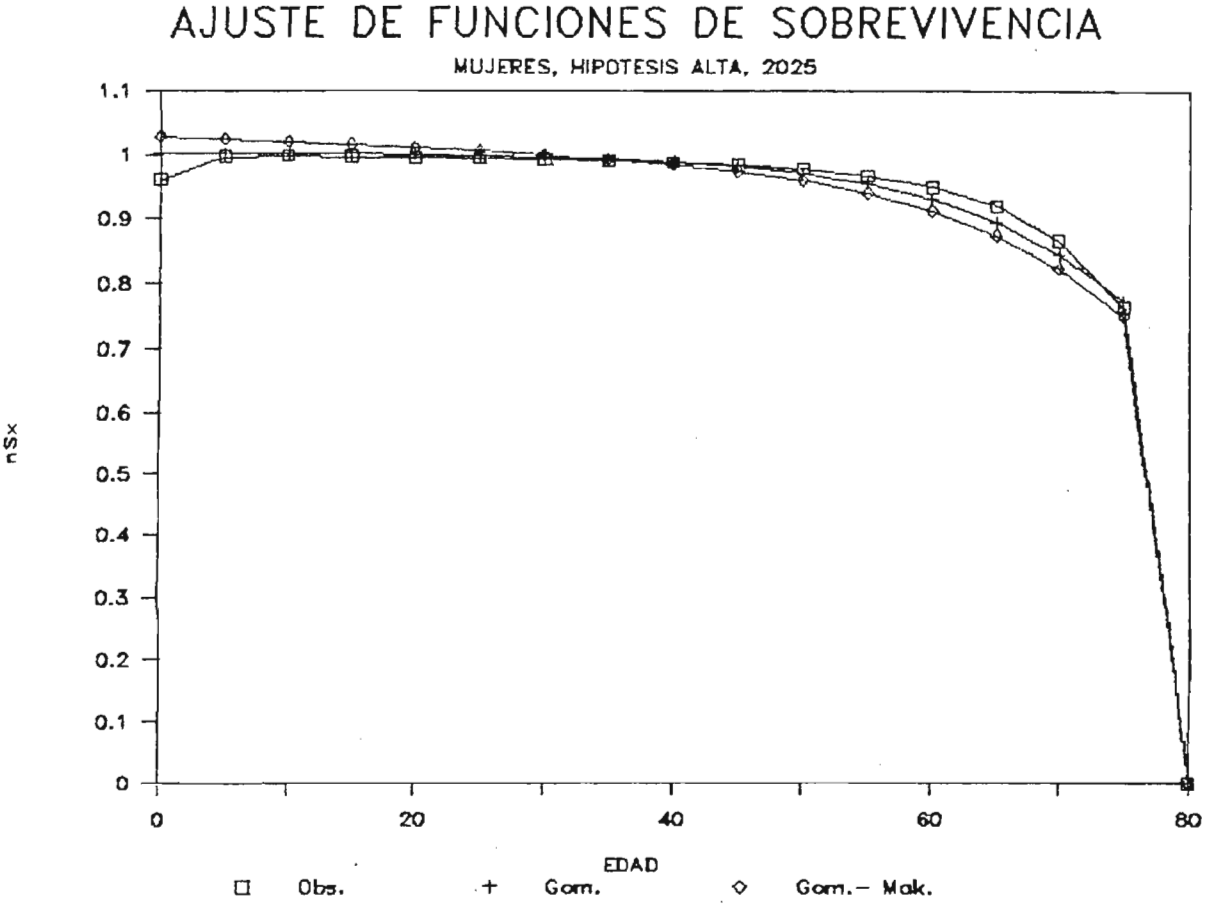
Gráficas 106 y 107



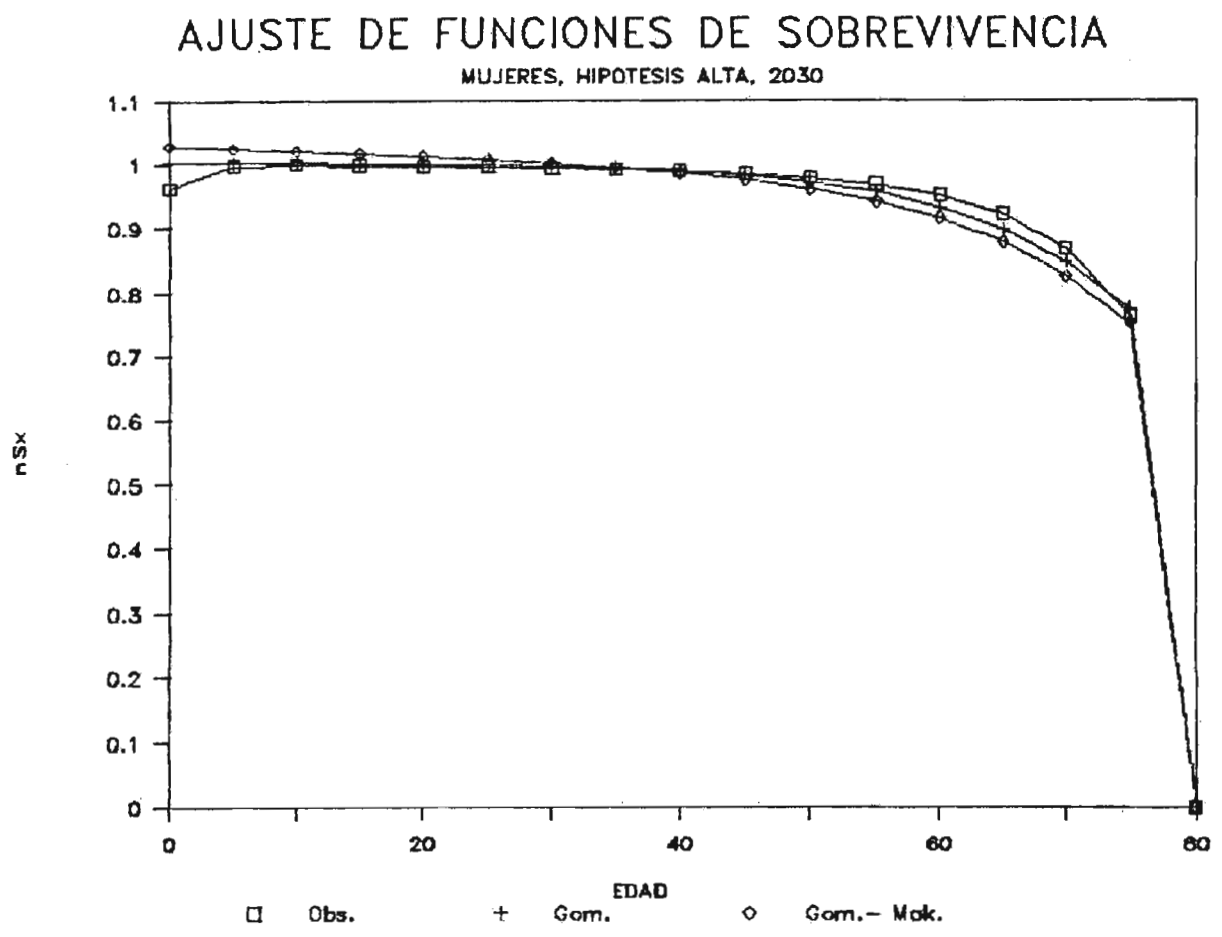


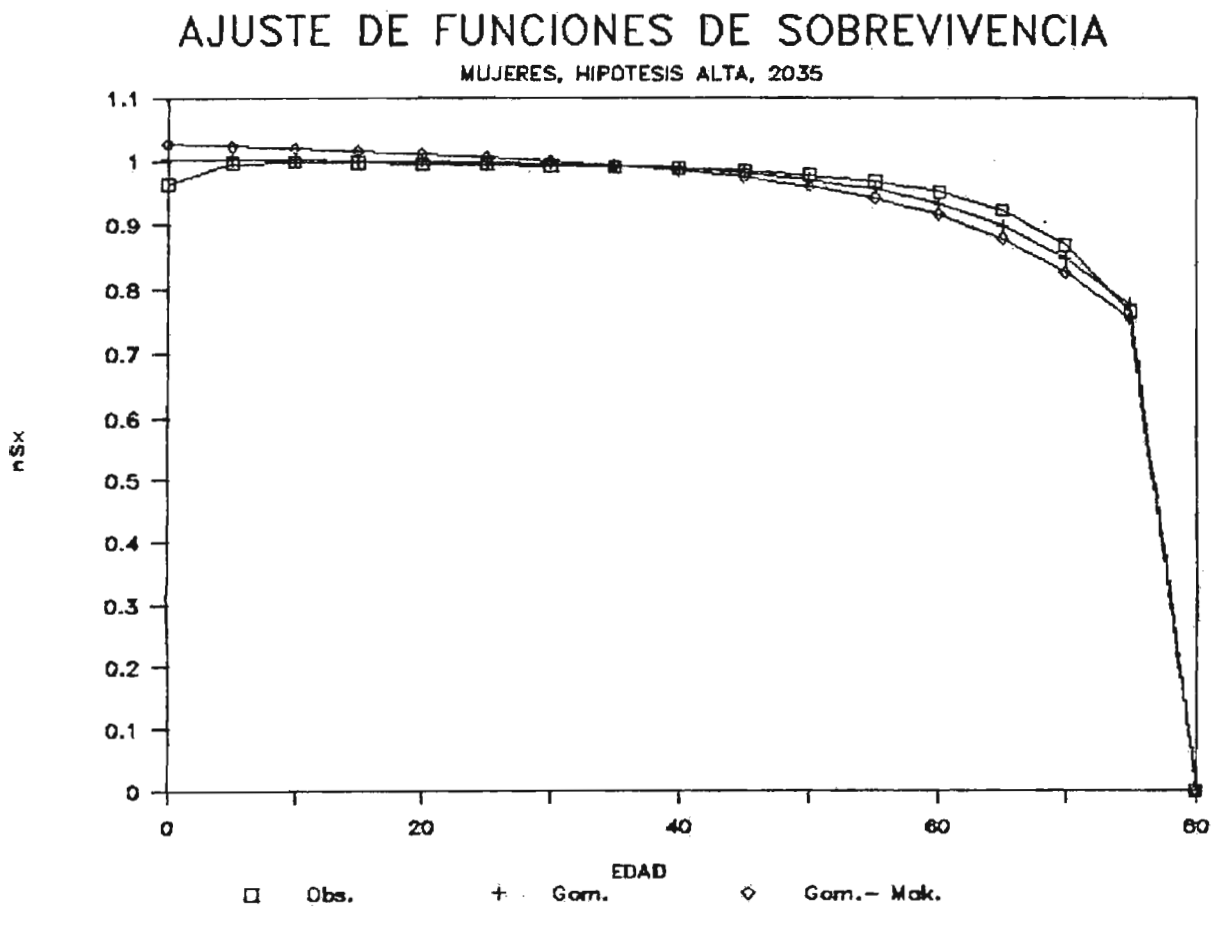
Gráficas 108 y 109



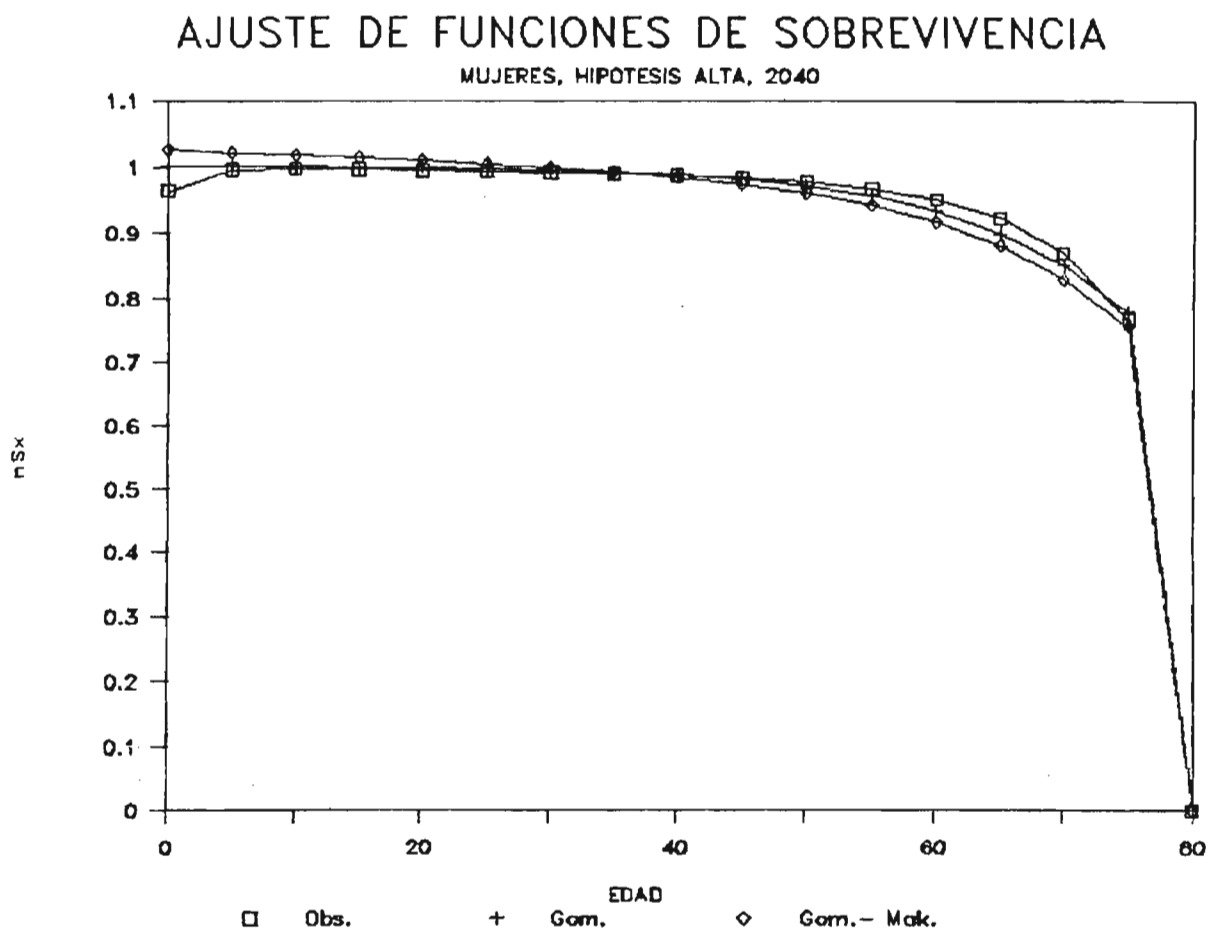


Gráficas 110 y 111





Gráfica 112


AJUSTE DE FUNCIONES DE SOBREVIVENCIA
MUJERES, HIPOTESIS ALTA, 2040
nSx
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
20
40
60
80
EDAD
Obs.
Gom.
Gom.- Mak.

Cuadro 58

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS PROYECTADAS, OBSERVADAS Y ESTIMADAS, 1980 - 2040

Hipótesis Baja

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
						PROBABILIDADES OBSERVADAS							
0	0.95351	0.95970	0.96461	0.96855	0.97174	0.97436	0.97653	0.97835	0.97988	0.98117	0.98229	0.98324	0.98407
1	0.97536	0.97834	0.98074	0.98269	0.98430	0.98562	0.98673	0.98766	0.98845	0.98913	0.98970	0.99020	0.99064
5	0.99342	0.99420	0.99483	0.99535	0.99577	0.99612	0.99641	0.99666	0.99687	0.99704	0.99720	0.99733	0.99745
10	0.99645	0.99687	0.99720	0.99748	0.99771	0.99790	0.99805	0.99819	0.99830	0.99839	0.99848	0.99855	0.99861
15	0.99501	0.99560	0.99607	0.99645	0.99677	0.99703	0.99725	0.99744	0.99760	0.99773	0.99785	0.99795	0.99803
20	0.99231	0.99320	0.99391	0.99450	0.99499	0.99539	0.99573	0.99602	0.99626	0.99647	0.99665	0.99680	0.99694
25	0.99002	0.99115	0.99207	0.99283	0.99345	0.99398	0.99441	0.99478	0.99510	0.99537	0.99560	0.99580	0.99897
30	0.98729	0.98870	0.98986	0.99081	0.99160	0.99226	0.99281	0.99328	0.99368	0.99402	0.99431	0.99457	0.99479
35	0.98408	0.98581	0.98723	0.98840	0.98938	0.99019	0.99088	0.99147	0.99196	0.99239	0.99276	0.99307	0.99335
40	0.98067	0.98271	0.98440	0.98580	0.98696	0.98794	0.98877	0.98947	0.99007	0.99059	0.99103	0.99142	0.99175
45	0.97470	0.97728	0.97943	0.98121	0.98271	0.98398	0.98504	0.98595	0.98673	0.98740	0.98798	0.98848	0.98892
50	0.96489	0.96831	0.97117	0.97357	0.97560	0.97731	0.97877	0.98002	0.98109	0.98201	0.98281	0.98350	0.98410
55	0.95079	0.95529	0.95909	0.96232	0.96505	0.96738	0.96938	0.97109	0.97256	0.97384	0.97494	0.97590	0.97674
60	0.92851	0.93448	0.93959	0.94398	0.94775	0.95099	0.95377	0.95618	0.95826	0.96007	0.96165	0.96302	0.96422
65	0.89219	0.90003	0.90689	0.91288	0.91809	0.92262	0.92657	0.93001	0.93301	0.93563	0.93792	0.93993	0.94169
70	0.83097	0.84078	0.84966	0.85758	0.86463	0.87087	0.87638	0.88124	0.88553	0.88932	0.89265	0.89559	0.89818
75	0.72492	0.73525	0.74545	0.75486	0.76346	0.77127	0.77833	0.78467	0.79036	0.79543	0.79996	0.80398	0.80756
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
						PROBABILIDADES ESTIMADAS							
						Uniforme 1							
0	0.95351	0.95970	0.96461	0.96855	0.97174	0.97436	0.97653	0.97835	0.97988	0.98117	0.98229	0.98324	0.98407
1	0.94229	0.94841	0.95326	0.95716	0.96031	0.96290	0.96504	0.96684	0.96835	0.96963	0.97073	0.97167	0.97249
5	0.89742	0.90325	0.90787	0.91158	0.91458	0.91704	0.91909	0.92080	0.92224	0.92345	0.92451	0.92540	0.92618
10	0.84133	0.84679	0.85113	0.85460	0.85742	0.85973	0.86164	0.86325	0.86460	0.86574	0.86673	0.86756	0.86830
15	0.78524	0.79034	0.79438	0.79763	0.80026	0.80241	0.80420	0.80570	0.80696	0.80802	0.80894	0.80973	0.81041
20	0.72915	0.73389	0.73764	0.74066	0.74310	0.74510	0.74676	0.74815	0.74932	0.75031	0.75116	0.75189	0.75252
25	0.67307	0.67744	0.68090	0.68368	0.68593	0.68778	0.68932	0.69060	0.69168	0.69259	0.69338	0.69405	0.69464
30	0.61698	0.62098	0.62416	0.62671	0.62877	0.63047	0.63187	0.63305	0.63404	0.63487	0.63560	0.63621	0.63675
35	0.56089	0.56453	0.56742	0.56974	0.57161	0.57315	0.57443	0.57550	0.57640	0.57716	0.57782	0.57838	0.57886
40	0.50480	0.50808	0.51068	0.51276	0.51445	0.51584	0.51699	0.51795	0.51876	0.51944	0.52004	0.52054	0.52098
45	0.44871	0.45162	0.45393	0.45579	0.45729	0.45852	0.45954	0.46040	0.46112	0.46173	0.46225	0.46270	0.46309
50	0.39262	0.39517	0.39719	0.39881	0.40013	0.40121	0.40210	0.40285	0.40348	0.40401	0.40447	0.40486	0.40521
55	0.33653	0.33872	0.34045	0.34184	0.34297	0.34389	0.34466	0.34530	0.34584	0.34630	0.34669	0.34703	0.34732
60	0.28044	0.28226	0.28371	0.28487	0.28581	0.28658	0.28721	0.28775	0.28820	0.28858	0.28891	0.28919	0.28943
65	0.22436	0.22581	0.22697	0.22789	0.22864	0.22926	0.22977	0.23020	0.23056	0.23086	0.23113	0.23135	0.23155
70	0.16827	0.16936	0.17023	0.17092	0.17148	0.17195	0.17233	0.17265	0.17292	0.17315	0.17335	0.17351	0.17366
75	0.11218	0.11291	0.11348	0.11395	0.11432	0.11463	0.11489	0.11510	0.11528	0.11543	0.11556	0.11568	0.11577
80	0.05609	0.05645	0.05674	0.05697	0.05716	0.05732	0.05744	0.05755	0.05764	0.05772	0.05778	0.05784	0.05789

Cuadro 58
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS PROYECTADAS, OBSERVADAS Y ESTIMADAS, 1980 - 2040

Hipótesis Baja

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
						PROBABILIDADES ESTIMADAS							
						Uniforme 2							
0	1.09144	1.09249	1.09314	1.09355	1.09378	1.09390	1.09394	1.09394	1.09390	1.09384	1.09378	1.09371	1.09393
1	1.08625	1.08737	1.08808	1.08855	1.08883	1.08900	1.08909	1.08912	1.08912	1.08909	1.08906	1.08901	1.08926
5	1.06551	1.06689	1.06785	1.06855	1.06905	1.06941	1.06967	1.06987	1.07000	1.07010	1.07018	1.07023	1.07055
10	1.03959	1.04128	1.04256	1.04355	1.04432	1.04493	1.04541	1.04580	1.04611	1.04636	1.04658	1.04675	1.04717
15	1.01367	1.01568	1.01727	1.01856	1.01959	1.02044	1.02114	1.02173	1.02221	1.02263	1.02298	1.02328	1.02378
20	0.98774	0.99008	0.99199	0.99356	0.99486	0.99596	0.99687	0.99765	0.99832	0.99889	0.99938	0.99980	1.00040
25	0.96182	0.96448	0.96670	0.96856	0.97014	0.97147	0.97261	0.97358	0.97442	0.97515	0.97578	0.97633	0.97702
30	0.93590	0.93887	0.94141	0.94356	0.94541	0.94698	0.94834	0.94951	0.95053	0.95141	0.95218	0.95285	0.95363
35	0.90997	0.91327	0.91612	0.91857	0.92068	0.92250	0.92407	0.92544	0.92664	0.92767	0.92858	0.92938	0.93025
40	0.88405	0.88767	0.89083	0.89357	0.89595	0.89801	0.89981	0.90137	0.90274	0.90394	0.90498	0.90590	0.90687
45	0.85813	0.86206	0.86554	0.86857	0.87122	0.87353	0.87554	0.87730	0.87885	0.88020	0.88138	0.88243	0.88348
50	0.83220	0.83646	0.84025	0.84358	0.84649	0.84904	0.85127	0.85323	0.85495	0.85646	0.85779	0.85895	0.86010
55	0.80628	0.81086	0.81496	0.81858	0.82176	0.82455	0.82701	0.82916	0.83106	0.83272	0.83419	0.83547	0.83672
60	0.78036	0.78525	0.78968	0.79358	0.79703	0.80007	0.80274	0.80509	0.80716	0.80898	0.81059	0.81200	0.81334
65	0.75443	0.75965	0.76439	0.76859	0.77230	0.77558	0.77848	0.78102	0.78327	0.78525	0.78699	0.78852	0.78995
70	0.72851	0.73405	0.73910	0.74359	0.74757	0.75110	0.75421	0.75695	0.75937	0.76151	0.76339	0.76505	0.76657
75	0.70259	0.70845	0.71381	0.71859	0.72285	0.72661	0.72994	0.73288	0.73548	0.73777	0.73979	0.74157	0.74319
80	0.67666	0.68284	0.68852	0.69360	0.69812	0.70213	0.70568	0.70881	0.71158	0.71403	0.71619	0.71810	0.71980
						Exponencial							
0	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000
1	0.99891	0.99900	0.99907	0.99914	0.99919	0.99924	0.99928	0.99931	0.99934	0.99937	0.99939	0.99941	0.99944
5	0.99458	0.99501	0.99538	0.99569	0.99596	0.99619	0.99639	0.99657	0.99672	0.99685	0.99696	0.99706	0.99718
10	0.98919	0.99005	0.99078	0.99141	0.99194	0.99240	0.99280	0.99314	0.99344	0.99370	0.99393	0.99412	0.99438
15	0.98384	0.98511	0.98620	0.98714	0.98794	0.98863	0.98922	0.98974	0.99018	0.99057	0.99091	0.99120	0.99158
20	0.97851	0.98019	0.98164	0.98289	0.98395	0.98486	0.98565	0.98634	0.98693	0.98744	0.98789	0.98828	0.98878
25	0.97320	0.97530	0.97711	0.97865	0.97998	0.98112	0.98210	0.98295	0.98369	0.98433	0.98489	0.98537	0.98600
30	0.96793	0.97044	0.97259	0.97444	0.97602	0.97738	0.97856	0.97958	0.98046	0.98122	0.98189	0.98248	0.98322
35	0.96269	0.96559	0.96810	0.97024	0.97208	0.97366	0.97503	0.97621	0.97724	0.97812	0.97891	0.97958	0.98046
40	0.95747	0.96078	0.96362	0.96606	0.96816	0.96996	0.97151	0.97286	0.97403	0.97504	0.97593	0.97670	0.97770
45	0.95228	0.95598	0.95917	0.96190	0.96425	0.96627	0.96801	0.96952	0.97083	0.97196	0.97296	0.97383	0.97494
50	0.94713	0.95121	0.95474	0.95776	0.96036	0.96259	0.96451	0.96619	0.96764	0.96890	0.97000	0.97096	0.97220
55	0.94199	0.94647	0.95032	0.95364	0.95648	0.95893	0.96104	0.96287	0.96446	0.96584	0.96705	0.96811	0.96946
60	0.93689	0.94175	0.94593	0.94953	0.95262	0.95528	0.95757	0.95957	0.96130	0.96279	0.96411	0.96526	0.96673
65	0.93182	0.93705	0.94156	0.94544	0.94877	0.95164	0.95412	0.95627	0.95814	0.95975	0.96118	0.96242	0.96401
70	0.92677	0.93237	0.93721	0.94137	0.94494	0.94802	0.95068	0.95299	0.95499	0.95673	0.95826	0.95959	0.96129
75	0.92175	0.92772	0.93288	0.93732	0.94113	0.94441	0.94725	0.94972	0.95186	0.95371	0.95534	0.95676	0.95859
80	0.91675	0.92309	0.92857	0.93328	0.93733	0.94082	0.94383	0.94646	0.94873	0.95070	0.95244	0.95395	0.95589

Cuadro 58
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS PROYECTADAS, OBSERVADAS Y ESTIMADAS, 1980 - 2040

Hipótesis Baja

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
PROBABILIDADES ESTIMADAS													
Logística													
0	0.99388	0.99469	0.99532	0.99583	0.99625	0.99659	0.99687	0.99711	0.99730	0.99747	0.99762	0.99774	0.99811
1	0.99362	0.99446	0.99512	0.99565	0.99608	0.99643	0.99672	0.99697	0.99718	0.99735	0.99750	0.99763	0.99802
5	0.99249	0.99345	0.99421	0.99482	0.99532	0.99574	0.99608	0.99637	0.99661	0.99681	0.99699	0.99714	0.99759
10	0.99078	0.99192	0.99282	0.99357	0.99417	0.99467	0.99508	0.99544	0.99573	0.99598	0.99620	0.99639	0.99693
15	0.98868	0.99003	0.99112	0.99201	0.99274	0.99334	0.99384	0.99427	0.99464	0.99494	0.99521	0.99543	0.99609
20	0.98612	0.98772	0.98901	0.99007	0.99095	0.99168	0.99229	0.99282	0.99326	0.99363	0.99395	0.99423	0.99501
25	0.98298	0.98487	0.98641	0.98768	0.98874	0.98962	0.99035	0.99099	0.99152	0.99198	0.99238	0.99272	0.99364
30	0.97915	0.98137	0.98320	0.98472	0.98598	0.98704	0.98793	0.98870	0.98935	0.98990	0.99039	0.99080	0.99191
35	0.97448	0.97709	0.97925	0.98106	0.98257	0.98384	0.98492	0.98584	0.98663	0.98730	0.98789	0.98840	0.98970
40	0.96880	0.97185	0.97440	0.97654	0.97834	0.97987	0.98116	0.98227	0.98322	0.98404	0.98475	0.98537	0.98689
45	0.96191	0.96546	0.96845	0.97098	0.97312	0.97494	0.97649	0.97782	0.97897	0.97996	0.98082	0.98156	0.98334
50	0.95356	0.95767	0.96117	0.96414	0.96668	0.96884	0.97069	0.97229	0.97367	0.97485	0.97589	0.97679	0.97884
55	0.94349	0.94823	0.95229	0.95578	0.95876	0.96132	0.96352	0.96542	0.96707	0.96850	0.96974	0.97083	0.97316
60	0.93140	0.93681	0.94151	0.94556	0.94906	0.95207	0.95467	0.95693	0.95889	0.96060	0.96208	0.96338	0.96601
65	0.91694	0.92309	0.92848	0.93316	0.93722	0.94075	0.94381	0.94647	0.94879	0.95082	0.95258	0.95413	0.95704
70	0.89977	0.90667	0.91281	0.91817	0.92286	0.92695	0.93053	0.93364	0.93636	0.93877	0.94084	0.94267	0.94584
75	0.87952	0.88719	0.89410	0.90018	0.90554	0.91026	0.91440	0.91801	0.92118	0.92400	0.92642	0.92857	0.93192
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Fuente : Cuadros 25, 29, 29', 33 y 45.

Cuadro 59

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Baja

Edad	Observadas	Uniforme 1	% error	Uniforme 2	% error	Exponencial	% error	Logistica	% error
				1980					
0	0.95351	0.95351	0.0000	1.09144	-0.1379	1.00000	-0.0465	0.99388	-0.0404
1	0.97536	0.94229	0.0331	1.08625	-0.1109	0.99891	-0.0236	0.99362	-0.0183
5	0.99342	0.89742	0.0960	1.06551	-0.0721	0.99458	-0.0012	0.99249	0.0009
10	0.99645	0.84133	0.1551	1.03959	-0.0431	0.98919	0.0073	0.99078	0.0057
15	0.99501	0.78524	0.2098	1.01367	-0.0187	0.98384	0.0112	0.98868	0.0063
20	0.99231	0.72915	0.2632	0.98774	0.0046	0.97851	0.0138	0.98612	0.0062
25	0.99002	0.67307	0.3170	0.96182	0.0282	0.97320	0.0168	0.98298	0.0070
30	0.98729	0.61698	0.3703	0.93590	0.0514	0.96793	0.0194	0.97915	0.0081
35	0.98408	0.56089	0.4232	0.90997	0.0741	0.96269	0.0214	0.97448	0.0096
40	0.98067	0.50480	0.4759	0.88405	0.0966	0.95747	0.0232	0.96880	0.0119
45	0.97470	0.44871	0.5260	0.85813	0.1166	0.95228	0.0224	0.96191	0.0128
50	0.96489	0.39262	0.5723	0.83220	0.1327	0.94713	0.0178	0.95356	0.0113
55	0.95079	0.33653	0.6143	0.80628	0.1445	0.94199	0.0088	0.94349	0.0073
60	0.92851	0.28044	0.6481	0.78036	0.1482	0.93689	-0.0084	0.93140	-0.0029
65	0.89219	0.22436	0.6678	0.75443	0.1378	0.93182	-0.0396	0.91694	-0.0248
70	0.83097	0.16827	0.6627	0.72851	0.1025	0.92677	-0.0958	0.89977	-0.0688
75	0.72492	0.11218	0.6127	0.70259	0.0223	0.92175	-0.1968	0.87952	-0.1546
80	0.00000	0.05609	-0.0561	0.67666	-0.6767	0.91675	-0.9168	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.60		13.15		9.25		2.46
				1985					
0	0.95970	0.95970	0.0000	1.09249	-0.1328	1.00000	-0.0403	0.99469	-0.0350
1	0.97834	0.94841	0.0299	1.08737	-0.1090	0.99900	-0.0207	0.99446	-0.0161
5	0.99420	0.90325	0.0910	1.06689	-0.0727	0.99501	-0.0008	0.99345	0.0008
10	0.99687	0.84679	0.1501	1.04128	-0.0444	0.99005	0.0068	0.99192	0.0050
15	0.99560	0.79034	0.2053	1.01568	-0.0201	0.98511	0.0105	0.99003	0.0056
20	0.99320	0.73389	0.2593	0.99008	0.0031	0.98019	0.0130	0.98772	0.0055
25	0.99115	0.67744	0.3137	0.96448	0.0267	0.97530	0.0158	0.98487	0.0063
30	0.98870	0.62098	0.3677	0.93887	0.0498	0.97044	0.0183	0.98137	0.0073
35	0.98581	0.56453	0.4213	0.91327	0.0725	0.96559	0.0202	0.97709	0.0087
40	0.98271	0.50808	0.4746	0.88767	0.0950	0.96078	0.0219	0.97185	0.0109
45	0.97728	0.45162	0.5257	0.86206	0.1152	0.95598	0.0213	0.96546	0.0118
50	0.96831	0.39517	0.5731	0.83646	0.1318	0.95121	0.0171	0.95767	0.0106
55	0.95529	0.33872	0.6166	0.81086	0.1444	0.94647	0.0088	0.94823	0.0071
60	0.93448	0.28226	0.6522	0.78525	0.1492	0.94175	-0.0073	0.93681	-0.0023
65	0.90003	0.22581	0.6742	0.75965	0.1404	0.93705	-0.0370	0.92309	-0.0231
70	0.84078	0.16936	0.6714	0.73405	0.1067	0.93237	-0.0916	0.90667	-0.0659
75	0.73525	0.11291	0.6223	0.70845	0.0268	0.92772	-0.1925	0.88719	-0.1519
80	0.00000	0.05645	-0.0565	0.68284	-0.6828	0.92309	-0.9231	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.45		13.13		9.07		2.31

Cuadro 59
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Baja

Edad	Observadas	Uniforme 1	% error	Uniforme 2	% error	Exponencial	% error	Logistica	% error
				1990					
0	0.96461	0.96461	0.0000	1.09314	-0.1285	1.00000	-0.0354	0.99532	-0.0307
1	0.98074	0.95326	0.0275	1.08808	-0.1073	0.99907	-0.0183	0.99512	-0.0144
5	0.99483	0.90787	0.0870	1.06785	-0.0730	0.99538	-0.0005	0.99421	0.0006
10	0.99720	0.85113	0.1461	1.04256	-0.0454	0.99078	0.0064	0.99282	0.0044
15	0.99607	0.79438	0.2017	1.01727	-0.0212	0.98620	0.0099	0.99112	0.0050
20	0.99391	0.73764	0.2563	0.99199	0.0019	0.98164	0.0123	0.98901	0.0049
25	0.99207	0.68090	0.3112	0.96670	0.0254	0.97711	0.0150	0.98641	0.0057
30	0.98986	0.62416	0.3657	0.94141	0.0485	0.97259	0.0173	0.98320	0.0067
35	0.98723	0.56742	0.4198	0.91612	0.0711	0.96810	0.0191	0.97925	0.0080
40	0.98440	0.51068	0.4737	0.89083	0.0936	0.96362	0.0208	0.97440	0.0100
45	0.97943	0.45393	0.5255	0.86554	0.1139	0.95917	0.0203	0.96845	0.0110
50	0.97117	0.39719	0.5740	0.84025	0.1309	0.95474	0.0164	0.96117	0.0100
55	0.95909	0.34045	0.6186	0.81496	0.1441	0.95032	0.0088	0.95229	0.0068
60	0.93959	0.28371	0.6559	0.78968	0.1499	0.94593	-0.0063	0.94151	-0.0019
65	0.90689	0.22697	0.6799	0.76439	0.1425	0.94156	-0.0347	0.92848	-0.0216
70	0.84966	0.17023	0.6794	0.73910	0.1106	0.93721	-0.0875	0.91281	-0.0632
75	0.74545	0.11348	0.6320	0.71381	0.0316	0.93288	-0.1874	0.89410	-0.1487
80	0.00000	0.05674	-0.0567	0.68852	-0.6885	0.92857	-0.9286	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.34		13.11		8.90		2.18
				1995					
0	0.96855	0.96855	0.0000	1.09355	-0.1250	1.00000	-0.0314	0.99583	-0.0273
1	0.98269	0.95716	0.0255	1.08855	-0.1059	0.99914	-0.0164	0.99565	-0.0130
5	0.99535	0.91158	0.0838	1.06855	-0.0732	0.99569	-0.0003	0.99482	0.0005
10	0.99748	0.85460	0.1429	1.04355	-0.0461	0.99141	0.0061	0.99357	0.0039
15	0.99645	0.79763	0.1988	1.01856	-0.0221	0.98714	0.0093	0.99201	0.0044
20	0.99450	0.74066	0.2538	0.99356	0.0009	0.98289	0.0116	0.99007	0.0044
25	0.99283	0.68368	0.3091	0.96856	0.0243	0.97865	0.0142	0.98768	0.0051
30	0.99081	0.62671	0.3641	0.94356	0.0472	0.97444	0.0164	0.98472	0.0061
35	0.98840	0.56974	0.4187	0.91857	0.0698	0.97024	0.0182	0.98106	0.0073
40	0.98580	0.51276	0.4730	0.89357	0.0922	0.96606	0.0197	0.97654	0.0093
45	0.98121	0.45579	0.5254	0.86857	0.1126	0.96190	0.0193	0.97098	0.0102
50	0.97357	0.39881	0.5760	0.84358	0.1300	0.95776	0.0158	0.96414	0.0094
55	0.96232	0.34184	0.6205	0.81858	0.1437	0.95364	0.0087	0.95578	0.0065
60	0.94598	0.28487	0.6591	0.79358	0.1504	0.94953	-0.0055	0.94556	-0.0016
65	0.91288	0.22789	0.6850	0.76859	0.1443	0.94544	-0.0326	0.93316	-0.0203
70	0.85758	0.17092	0.6867	0.74359	0.1140	0.94137	-0.0838	0.91817	-0.0606
75	0.75486	0.11395	0.6409	0.71859	0.0363	0.93732	-0.1825	0.90018	-0.1453
80	0.00000	0.05697	-0.0570	0.69360	-0.6936	0.93328	-0.9333	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.27		13.09		8.75		2.06

Cuadro 59
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Baja

Edad	Observadas	Uniforme 1	% error	Uniforme 2	% error	Exponencial	% error	Logística	% error
				2 0 0 0					
0	0.97174	0.97174	0.0000	1.09378	-0.1220	1.00000	-0.0283	0.99625	-0.0245
1	0.98430	0.96031	0.0240	1.08883	-0.1045	0.99919	-0.0149	0.99608	-0.0118
5	0.99577	0.91458	0.0812	1.06905	-0.0733	0.99596	-0.0002	0.99532	0.0004
10	0.99771	0.85742	0.1403	1.04432	-0.0466	0.99194	0.0058	0.99417	0.0035
15	0.99677	0.80026	0.1965	1.01959	-0.0228	0.98794	0.0088	0.99274	0.0040
20	0.99499	0.74310	0.2519	0.99486	0.0001	0.98395	0.0110	0.99095	0.0040
25	0.99345	0.68593	0.3075	0.97014	0.0233	0.97998	0.0135	0.98874	0.0047
30	0.99160	0.62877	0.3628	0.94541	0.0462	0.97602	0.0156	0.98598	0.0056
35	0.98938	0.57161	0.4178	0.92068	0.0687	0.97208	0.0173	0.98257	0.0068
40	0.98696	0.51445	0.4725	0.89595	0.0910	0.96816	0.0188	0.97834	0.0086
45	0.98271	0.45729	0.5254	0.87122	0.1115	0.96425	0.0185	0.97312	0.0096
50	0.97560	0.40013	0.5755	0.84649	0.1291	0.96036	0.0152	0.96668	0.0089
55	0.96505	0.34297	0.6221	0.82176	0.1433	0.95648	0.0086	0.95876	0.0063
60	0.94775	0.28581	0.6619	0.79703	0.1507	0.95262	-0.0049	0.94906	-0.0013
65	0.91809	0.22864	0.6894	0.77230	0.1458	0.94877	-0.0307	0.93722	-0.0191
70	0.86463	0.17148	0.6931	0.74757	0.1171	0.94494	-0.0803	0.92286	-0.0582
75	0.76346	0.11432	0.6491	0.72285	0.0406	0.94113	-0.1777	0.90554	-0.1421
80	0.00000	0.05716	-0.0572	0.69812	-0.6981	0.93733	-0.9373	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.23		13.08		8.62		1.96
				2 0 0 5					
0	0.97436	0.97436	0.0000	1.09390	-0.1195	1.00000	-0.0256	0.99659	-0.0222
1	0.98562	0.96290	0.0227	1.08900	-0.1034	0.99924	-0.0136	0.99643	-0.0108
5	0.99612	0.91704	0.0791	1.06941	-0.0733	0.99619	-0.0001	0.99574	0.0004
10	0.99790	0.85973	0.1382	1.04493	-0.0470	0.99240	0.0055	0.99467	0.0032
15	0.99703	0.80241	0.1946	1.02044	-0.0234	0.98863	0.0084	0.99334	0.0037
20	0.99539	0.74510	0.2503	0.99596	-0.0006	0.98486	0.0105	0.99168	0.0037
25	0.99398	0.68778	0.3062	0.97147	0.0225	0.98112	0.0129	0.98962	0.0044
30	0.99226	0.63047	0.3618	0.94698	0.0453	0.97738	0.0149	0.98704	0.0052
35	0.99019	0.57315	0.4170	0.92250	0.0677	0.97366	0.0165	0.98384	0.0063
40	0.98794	0.51584	0.4721	0.89801	0.0899	0.96996	0.0180	0.97987	0.0081
45	0.98398	0.45852	0.5255	0.87353	0.1105	0.96627	0.0177	0.97494	0.0090
50	0.97731	0.40121	0.5761	0.84904	0.1283	0.96259	0.0147	0.96884	0.0085
55	0.96738	0.34389	0.6235	0.82455	0.1428	0.95893	0.0085	0.96132	0.0061
60	0.95099	0.28658	0.6644	0.80007	0.1509	0.95528	-0.0043	0.95207	-0.0011
65	0.92262	0.22926	0.6934	0.77558	0.1470	0.95164	-0.0290	0.94075	-0.0181
70	0.87087	0.17195	0.6989	0.75110	0.1198	0.94802	-0.0772	0.92695	-0.0561
75	0.77127	0.11463	0.6566	0.72661	0.0447	0.94441	-0.1731	0.91026	-0.1390
80	0.00000	0.05732	-0.0573	0.70213	-0.7021	0.94082	-0.9408	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.20		13.08		8.51		1.87

Cuadro 59
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Baja

Edad	Observadas	Uniforme 1	% error	Uniforme 2	% error	Exponencial	% error	Logística	% error
				2 0 1 0					
0	0.97653	0.97653	0.0000	1.09394	-0.1174	1.00000	-0.0235	0.99687	-0.0203
1	0.98673	0.96504	0.0217	1.08909	-0.1024	0.99928	-0.0125	0.99672	-0.0100
5	0.99641	0.91909	0.0773	1.06967	-0.0733	0.99639	0.0000	0.99608	0.0003
10	0.99805	0.86164	0.1364	1.04541	-0.0474	0.99280	0.0053	0.99508	0.0030
15	0.99725	0.80420	0.1930	1.02114	-0.0239	0.98922	0.0080	0.99384	0.0034
20	0.99573	0.74676	0.2490	0.99687	-0.0011	0.98565	0.0101	0.99229	0.0034
25	0.99441	0.68932	0.3051	0.97261	0.0218	0.98210	0.0123	0.99035	0.0041
30	0.99281	0.63187	0.3609	0.94834	0.0445	0.97856	0.0143	0.98793	0.0049
35	0.99088	0.57443	0.4165	0.92407	0.0668	0.97503	0.0159	0.98492	0.0060
40	0.98877	0.51699	0.4718	0.89981	0.0890	0.97151	0.0173	0.98116	0.0076
45	0.98504	0.45954	0.5255	0.87554	0.1095	0.96801	0.0170	0.97649	0.0086
50	0.97877	0.40210	0.5767	0.85127	0.1275	0.96451	0.0143	0.97069	0.0081
55	0.96938	0.34466	0.6247	0.82701	0.1424	0.96104	0.0083	0.96352	0.0059
60	0.95377	0.28721	0.6666	0.80274	0.1510	0.95757	-0.0038	0.95467	-0.0009
65	0.92657	0.22977	0.6968	0.77848	0.1481	0.95412	-0.0275	0.94381	-0.0172
70	0.87638	0.17233	0.7041	0.75421	0.1222	0.95068	-0.0743	0.93053	-0.0542
75	0.77833	0.11489	0.6634	0.72994	0.0484	0.94725	-0.1689	0.91440	-0.1361
80	0.00000	0.05744	-0.0574	0.70568	-0.7057	0.94383	-0.9438	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.18		13.07		8.40		1.79
				2 0 1 5					
0	0.97835	0.97835	0.0000	1.09394	-0.1156	1.00000	-0.0216	0.99711	-0.0188
1	0.98766	0.96684	0.0208	1.08912	-0.1015	0.99931	-0.0117	0.99697	-0.0093
5	0.99666	0.92080	0.0759	1.06987	-0.0732	0.99657	0.0001	0.99637	0.0003
10	0.99819	0.86325	0.1349	1.04580	-0.0476	0.99314	0.0050	0.99544	0.0028
15	0.99744	0.80570	0.1917	1.02173	-0.0243	0.98974	0.0077	0.99427	0.0032
20	0.99602	0.74815	0.2479	0.99765	-0.0016	0.98634	0.0097	0.99282	0.0032
25	0.99478	0.69060	0.3042	0.97358	0.0212	0.98295	0.0118	0.99099	0.0038
30	0.99328	0.63305	0.3602	0.94951	0.0438	0.97958	0.0137	0.98870	0.0046
35	0.99147	0.57550	0.4160	0.92544	0.0660	0.97621	0.0153	0.98584	0.0056
40	0.98947	0.51795	0.4715	0.90137	0.0881	0.97286	0.0166	0.98227	0.0072
45	0.98595	0.46040	0.5256	0.87730	0.1086	0.96952	0.0164	0.97782	0.0081
50	0.98002	0.40285	0.5772	0.85323	0.1268	0.96619	0.0138	0.97229	0.0077
55	0.97109	0.34530	0.6258	0.82916	0.1419	0.96287	0.0082	0.96542	0.0057
60	0.95618	0.28775	0.6684	0.80509	0.1511	0.95957	-0.0034	0.95693	-0.0008
65	0.93001	0.23020	0.6998	0.78102	0.1490	0.95627	-0.0263	0.94647	-0.0165
70	0.88124	0.17265	0.7086	0.75695	0.1243	0.95299	-0.0718	0.93364	-0.0524
75	0.78467	0.11510	0.6696	0.73288	0.0518	0.94972	-0.1650	0.91801	-0.1333
80	0.00000	0.05755	-0.0576	0.70881	-0.7088	0.94646	-0.9465	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.16		13.07		8.31		1.73

Cuadro 59
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Baja

Edad	Observadas	Uniforme 1	% error	Uniforme 2	% error	Exponencial	% error	Logística	% error
				2020					
0	0.97988	0.97988	0.0000	1.09390	-0.1140	1.00000	-0.0201	0.99730	-0.0174
1	0.98845	0.96835	0.0201	1.08912	-0.1007	0.99934	-0.0109	0.99718	-0.0087
5	0.99687	0.92224	0.0746	1.07000	-0.0731	0.99672	0.0002	0.99661	0.0003
10	0.99830	0.86460	0.1337	1.04611	-0.0478	0.99344	0.0049	0.99573	0.0026
15	0.99760	0.80696	0.1906	1.02221	-0.0246	0.99018	0.0074	0.99464	0.0030
20	0.99626	0.74932	0.2469	0.99832	-0.0021	0.98693	0.0093	0.99326	0.0030
25	0.99510	0.69168	0.3034	0.97442	0.0207	0.98369	0.0114	0.99152	0.0036
30	0.99368	0.63404	0.3596	0.95053	0.0432	0.98046	0.0132	0.98935	0.0043
35	0.99196	0.57640	0.4156	0.92664	0.0653	0.97724	0.0147	0.98663	0.0053
40	0.99007	0.51876	0.4713	0.90274	0.0873	0.97403	0.0160	0.98322	0.0068
45	0.98673	0.46112	0.5256	0.87885	0.1079	0.97083	0.0159	0.97897	0.0078
50	0.98109	0.40348	0.5776	0.85495	0.1261	0.96764	0.0134	0.97367	0.0074
55	0.97256	0.34584	0.6267	0.83106	0.1415	0.96446	0.0081	0.96707	0.0055
60	0.95826	0.28820	0.6701	0.80716	0.1511	0.96130	-0.0030	0.95889	-0.0006
65	0.93301	0.23056	0.7025	0.78327	0.1497	0.95814	-0.0251	0.94879	-0.0158
70	0.88553	0.17292	0.7126	0.75937	0.1262	0.95499	-0.0695	0.93636	-0.0508
75	0.79036	0.11528	0.6751	0.73548	0.0549	0.95186	-0.1615	0.92118	-0.1308
80	0.00000	0.05764	-0.0576	0.71158	-0.7116	0.94873	-0.9487	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.15		13.07		8.23		1.67
				2025					
0	0.98117	0.98117	0.0000	1.09384	-0.1127	1.00000	-0.0188	0.99747	-0.0163
1	0.98913	0.96963	0.0195	1.08909	-0.1000	0.99937	-0.0102	0.99735	-0.0082
5	0.99704	0.92345	0.0736	1.07010	-0.0731	0.99685	0.0002	0.99681	0.0002
10	0.99839	0.86574	0.1327	1.04636	-0.0480	0.99370	0.0047	0.99598	0.0024
15	0.99773	0.80802	0.1897	1.02263	-0.0249	0.99057	0.0072	0.99494	0.0028
20	0.99647	0.75031	0.2462	0.99889	-0.0024	0.98744	0.0090	0.99363	0.0028
25	0.99537	0.69259	0.3028	0.97515	0.0202	0.98433	0.0110	0.99198	0.0034
30	0.99402	0.63487	0.3591	0.95141	0.0426	0.98122	0.0128	0.98990	0.0041
35	0.99239	0.57716	0.4152	0.92767	0.0647	0.97812	0.0143	0.98730	0.0051
40	0.99059	0.51944	0.4711	0.90394	0.0867	0.97504	0.0156	0.98404	0.0066
45	0.98740	0.46173	0.5257	0.88020	0.1072	0.97196	0.0154	0.97996	0.0074
50	0.98201	0.40401	0.5780	0.85646	0.1255	0.96890	0.0131	0.97485	0.0072
55	0.97384	0.34630	0.6275	0.83272	0.1411	0.96584	0.0080	0.96850	0.0053
60	0.96007	0.28858	0.6715	0.80898	0.1511	0.96279	-0.0027	0.96060	-0.0005
65	0.93563	0.23086	0.7048	0.78525	0.1504	0.95975	-0.0241	0.95082	-0.0152
70	0.88932	0.17315	0.7162	0.76151	0.1278	0.95673	-0.0674	0.93877	-0.0494
75	0.79543	0.11543	0.6800	0.73777	0.0577	0.95371	-0.1583	0.92400	-0.1286
80	0.00000	0.05772	-0.0577	0.71403	-0.7140	0.95070	-0.9507	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.15		13.07		8.16		1.61

Cuadro 59

(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Baja

Edad	Observadas	Uniforme 1	% error	Uniforme 2	% error	Exponencial	% error	Logística	% error
				2 0 3 0					
0	0.98229	0.98229	0.0000	1.09378	-0.1115	1.00000	-0.0177	0.99762	-0.0153
1	0.98970	0.97073	0.0190	1.08906	-0.0994	0.99939	-0.0097	0.99750	-0.0078
5	0.99720	0.92451	0.0727	1.07018	-0.0730	0.99696	0.0002	0.99699	0.0002
10	0.99848	0.86673	0.1318	1.04658	-0.0481	0.99393	0.0046	0.99620	0.0023
15	0.99785	0.80894	0.1889	1.02298	-0.0251	0.99091	0.0069	0.99521	0.0026
20	0.99665	0.75116	0.2455	0.99938	-0.0027	0.98789	0.0088	0.99395	0.0027
25	0.99560	0.69338	0.3022	0.97578	0.0198	0.98489	0.0107	0.99238	0.0032
30	0.99431	0.63560	0.3587	0.95218	0.0421	0.98189	0.0124	0.99039	0.0039
35	0.99276	0.57782	0.4149	0.92858	0.0642	0.97891	0.0139	0.98789	0.0049
40	0.99103	0.52004	0.4710	0.90498	0.0860	0.97593	0.0151	0.98475	0.0063
45	0.98798	0.46225	0.5257	0.88138	0.1066	0.97296	0.0150	0.98082	0.0072
50	0.98281	0.40447	0.5783	0.85779	0.1250	0.97000	0.0128	0.97589	0.0069
55	0.97494	0.34669	0.6282	0.83419	0.1408	0.96705	0.0079	0.96974	0.0052
60	0.96165	0.28891	0.6727	0.81059	0.1511	0.96411	-0.0025	0.96208	-0.0004
65	0.93792	0.23113	0.7068	0.78699	0.1509	0.96118	-0.0233	0.95258	-0.0147
70	0.89265	0.17335	0.7193	0.76339	0.1293	0.95826	-0.0656	0.94084	-0.0482
75	0.79996	0.11556	0.6844	0.73979	0.0602	0.95534	-0.1554	0.92642	-0.1265
80	0.00000	0.05778	-0.0578	0.71619	-0.7162	0.95244	-0.9524	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.14		13.06		8.10		1.57
				2 0 3 5					
0	0.98324	0.98324	0.0000	1.09371	-0.1105	1.00000	-0.0168	0.99774	-0.0145
1	0.99020	0.97167	0.0185	1.08901	-0.0988	0.99941	-0.0092	0.99763	-0.0074
5	0.99733	0.92540	0.0719	1.07023	-0.0729	0.99706	0.0003	0.99714	0.0002
10	0.99855	0.86756	0.1310	1.04675	-0.0482	0.99412	0.0044	0.99639	0.0022
15	0.99795	0.80973	0.1882	1.02328	-0.0253	0.99120	0.0068	0.99543	0.0025
20	0.99680	0.75189	0.2449	0.99980	-0.0030	0.98828	0.0085	0.99423	0.0026
25	0.99580	0.69405	0.3017	0.97633	0.0195	0.98537	0.0104	0.99272	0.0031
30	0.99457	0.63621	0.3584	0.95285	0.0417	0.98248	0.0121	0.99080	0.0038
35	0.99307	0.57838	0.4147	0.92938	0.0637	0.97958	0.0135	0.98840	0.0047
40	0.99142	0.52054	0.4709	0.90590	0.0855	0.97670	0.0147	0.98537	0.0061
45	0.98848	0.46270	0.5258	0.88243	0.1061	0.97383	0.0147	0.98156	0.0069
50	0.98350	0.40486	0.5786	0.85895	0.1246	0.97096	0.0125	0.97679	0.0067
55	0.97590	0.34703	0.6289	0.83547	0.1404	0.96811	0.0078	0.97083	0.0051
60	0.96302	0.28919	0.6738	0.81200	0.1510	0.96526	-0.0022	0.96338	-0.0004
65	0.93993	0.23135	0.7086	0.78852	0.1514	0.96242	-0.0225	0.95413	-0.0142
70	0.89559	0.17351	0.7221	0.76505	0.1305	0.95959	-0.0640	0.94267	-0.0471
75	0.80398	0.11568	0.6883	0.74157	0.0624	0.95676	-0.1528	0.92857	-0.1246
80	0.00000	0.05784	-0.0578	0.71810	-0.7181	0.95395	-0.9539	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.14		13.06		8.05		1.53

Cuadro 59.

(Continuación)

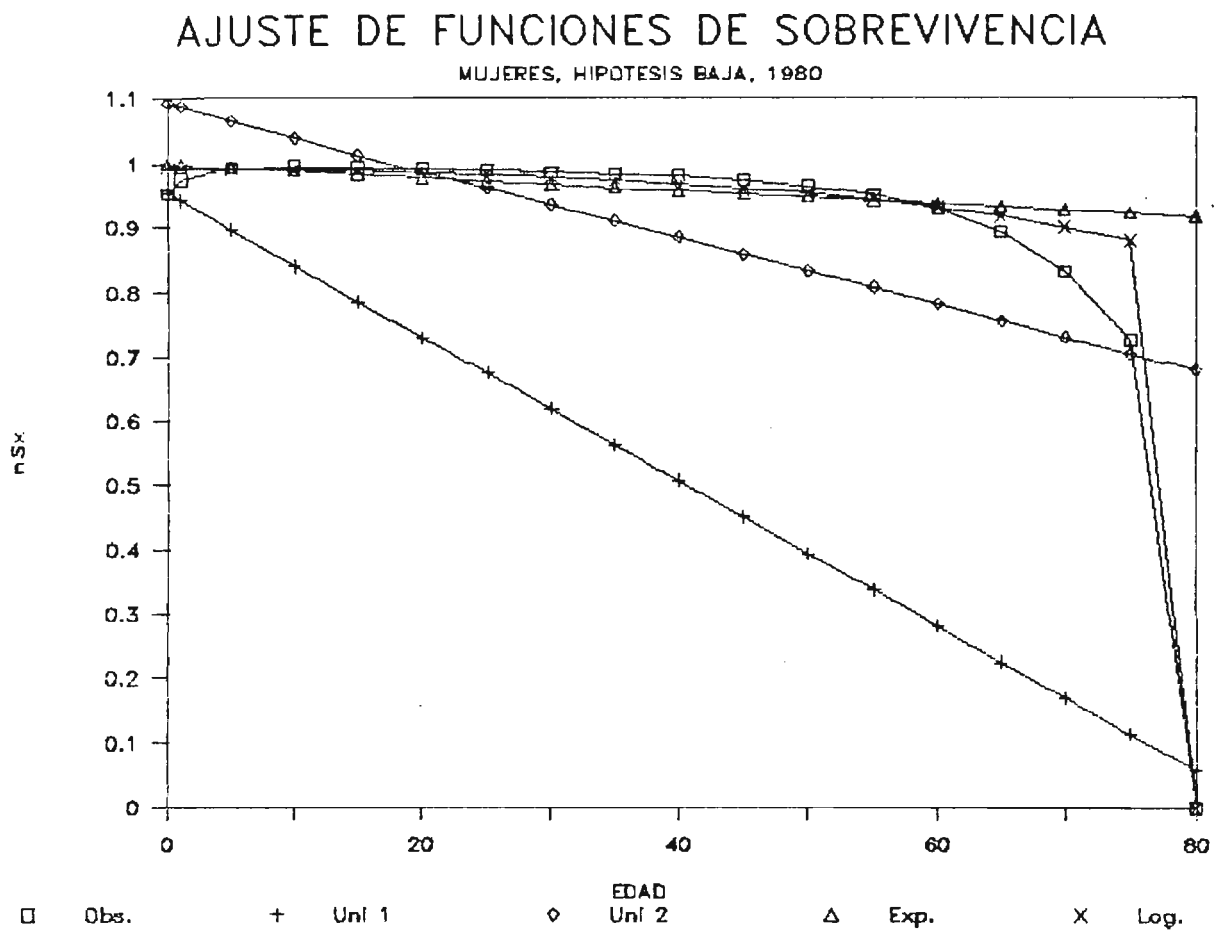
COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

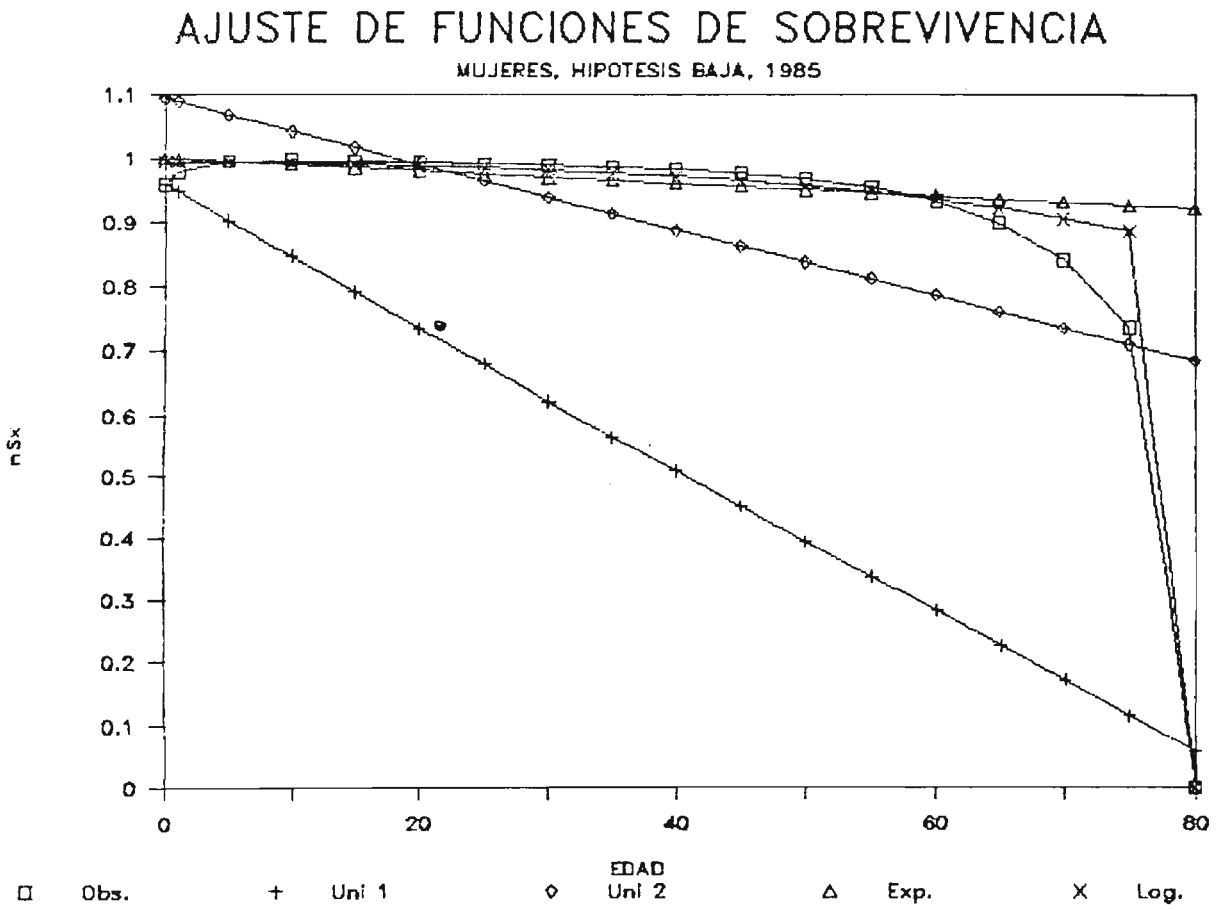
Hipótesis Baja

Edad	Observadas	Uniforme 1	% error	Uniforme 2	% error	Exponencial	% error	Logística	% error
				2 0 4 0					
0	0.98407	0.98407	0.0000	1.09393	-0.1099	1.00000	-0.0159	0.99811	-0.0140
1	0.99064	0.97249	0.0181	1.08926	-0.0986	0.99944	-0.0088	0.99802	-0.0074
5	0.99745	0.92618	0.0713	1.07055	-0.0731	0.99718	0.0003	0.99759	-0.0001
10	0.99861	0.86830	0.1303	1.04717	-0.0486	0.99438	0.0042	0.99693	0.0017
15	0.99803	0.81041	0.1876	1.02378	-0.0258	0.99158	0.0065	0.99609	0.0019
20	0.99694	0.75252	0.2444	1.00040	-0.0035	0.98878	0.0082	0.99501	0.0019
25	0.99897	0.69464	0.3043	0.97702	0.0220	0.98600	0.0130	0.99364	0.0053
30	0.99479	0.63675	0.3580	0.95363	0.0412	0.98322	0.0116	0.99191	0.0029
35	0.99335	0.57886	0.4145	0.93025	0.0631	0.98046	0.0129	0.98970	0.0037
40	0.99175	0.52098	0.4708	0.90687	0.0849	0.97770	0.0141	0.98689	0.0049
45	0.98892	0.46309	0.5258	0.88348	0.1054	0.97494	0.0140	0.98334	0.0056
50	0.98410	0.40521	0.5789	0.86010	0.1240	0.97220	0.0119	0.97884	0.0053
55	0.97674	0.34732	0.6294	0.83672	0.1400	0.96946	0.0073	0.97316	0.0036
60	0.96422	0.28943	0.6748	0.81334	0.1509	0.96673	-0.0025	0.96601	-0.0018
65	0.94169	0.23155	0.7101	0.78995	0.1517	0.96401	-0.0223	0.95704	-0.0154
70	0.89818	0.17366	0.7245	0.76657	0.1316	0.96129	-0.0631	0.94584	-0.0477
75	0.80756	0.11577	0.6918	0.74319	0.0644	0.95859	-0.1510	0.93192	-0.1244
80	0.00000	0.05789	-0.0579	0.71980	-0.7198	0.95589	-0.9559	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			41.15		13.08		8.02		1.50

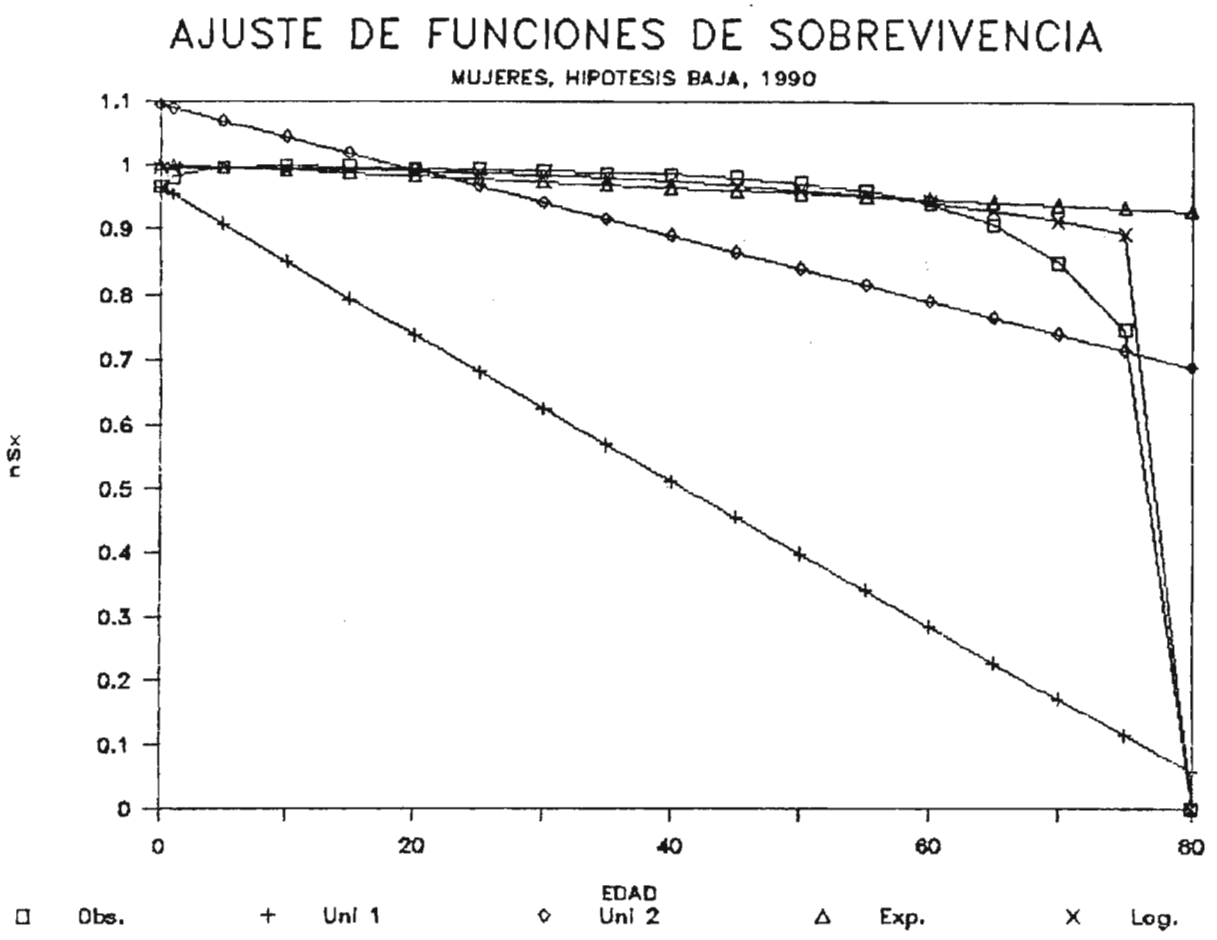
Fuente: Cuadro 58.

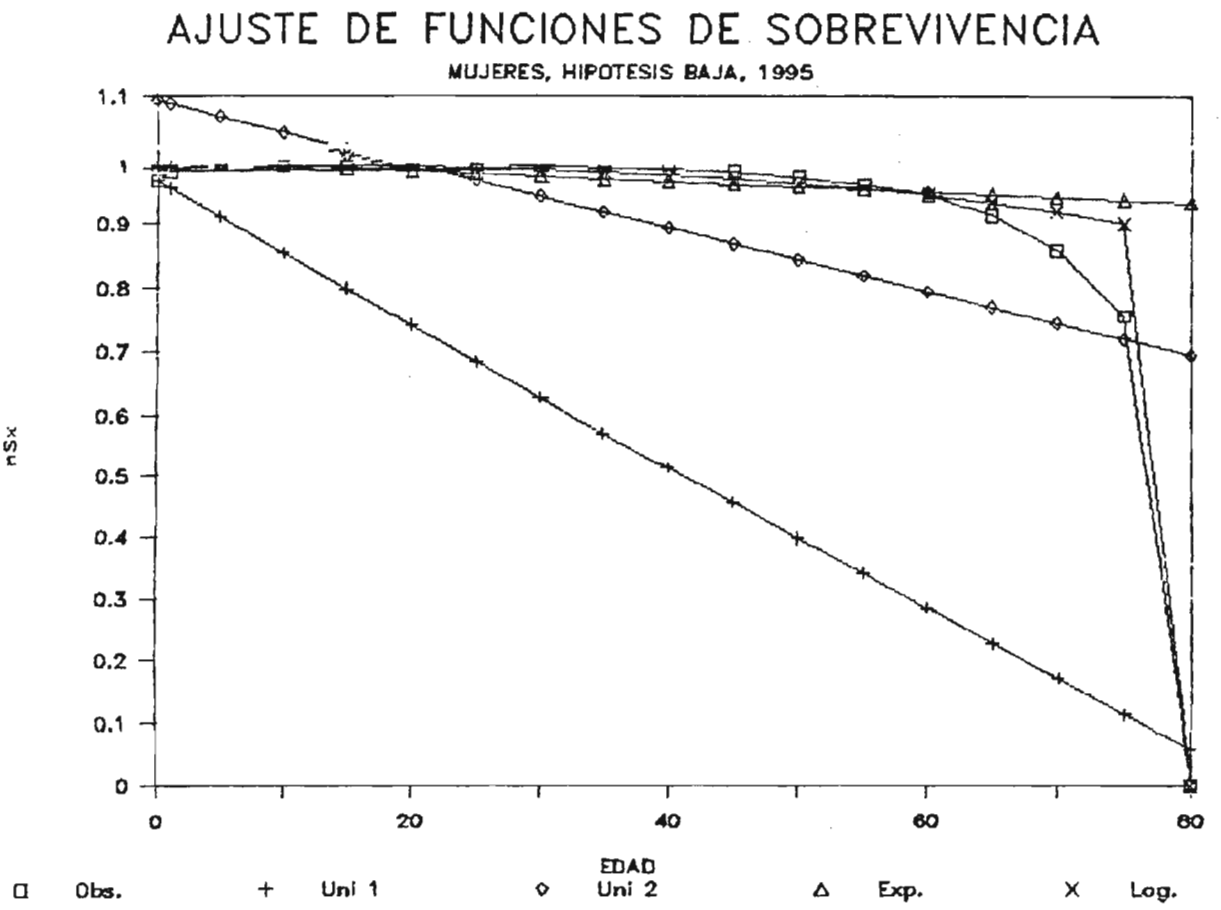
Gráficas 113 y 114



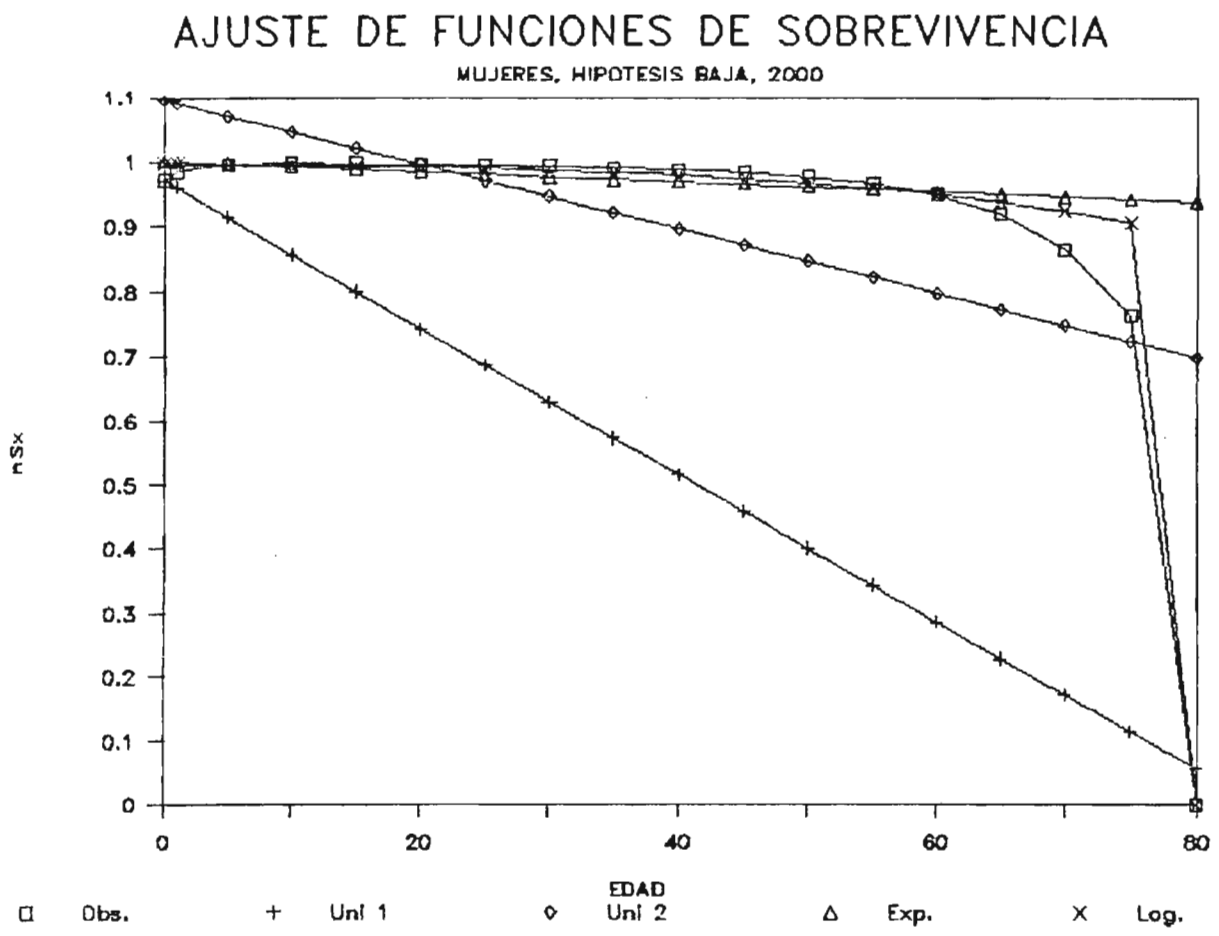


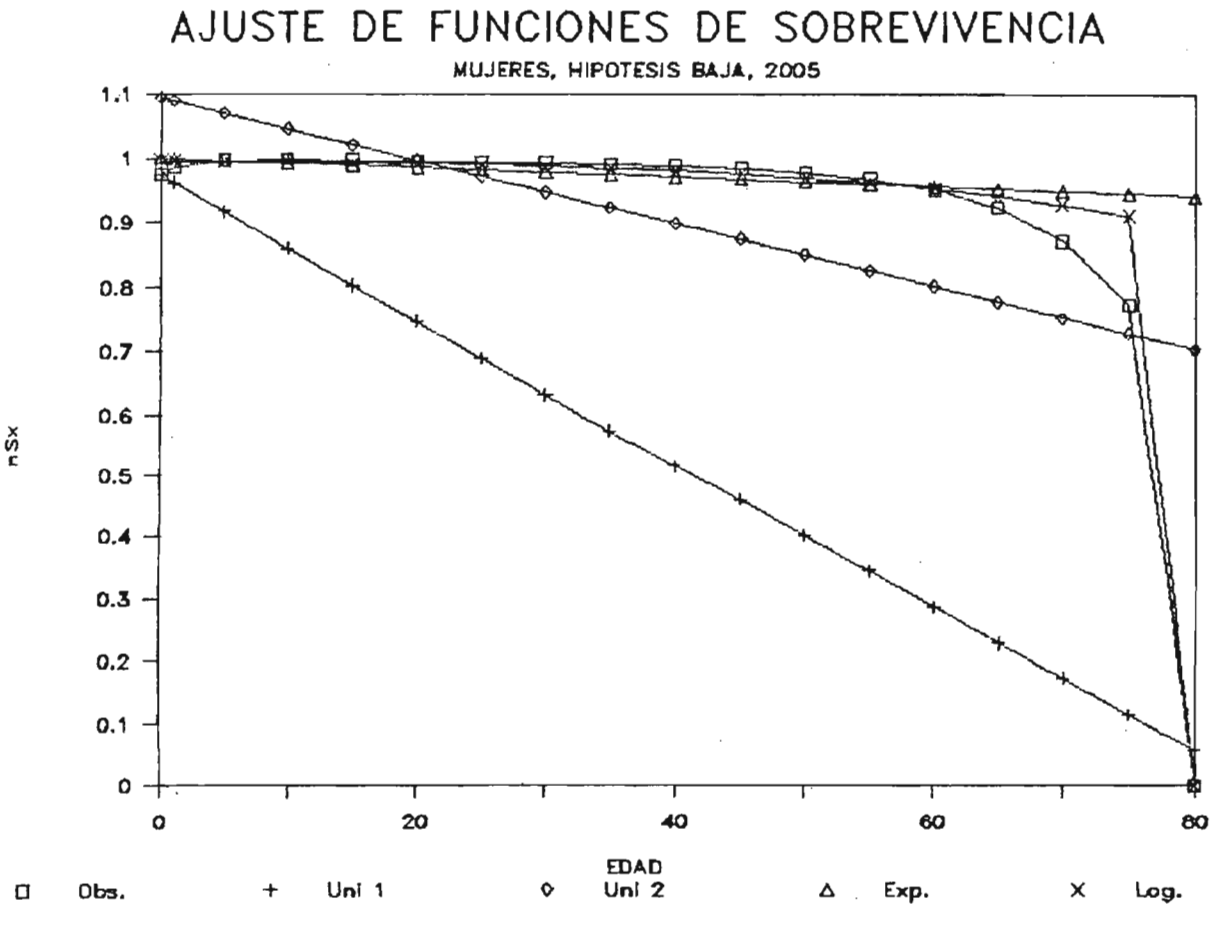
Gráficas 115 y 116



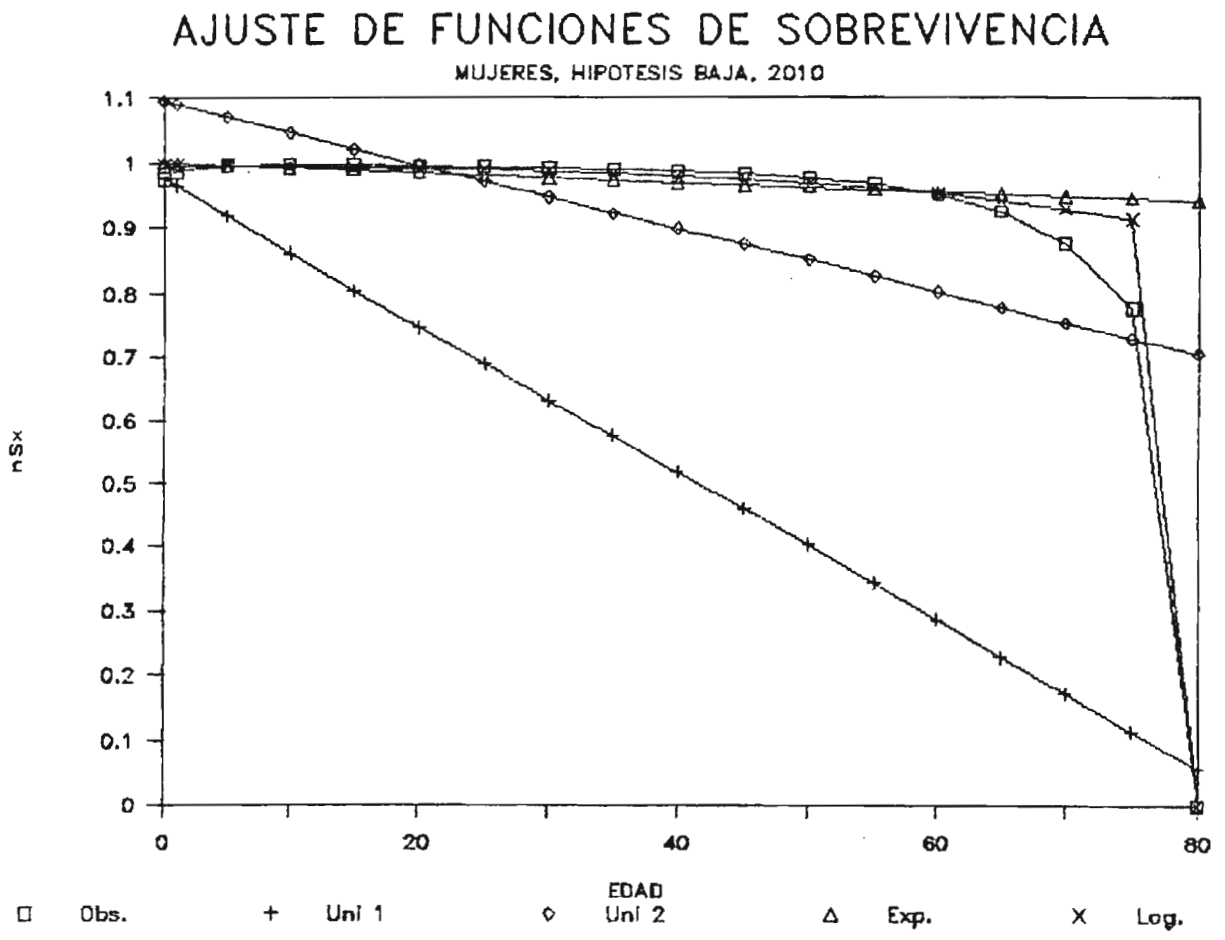


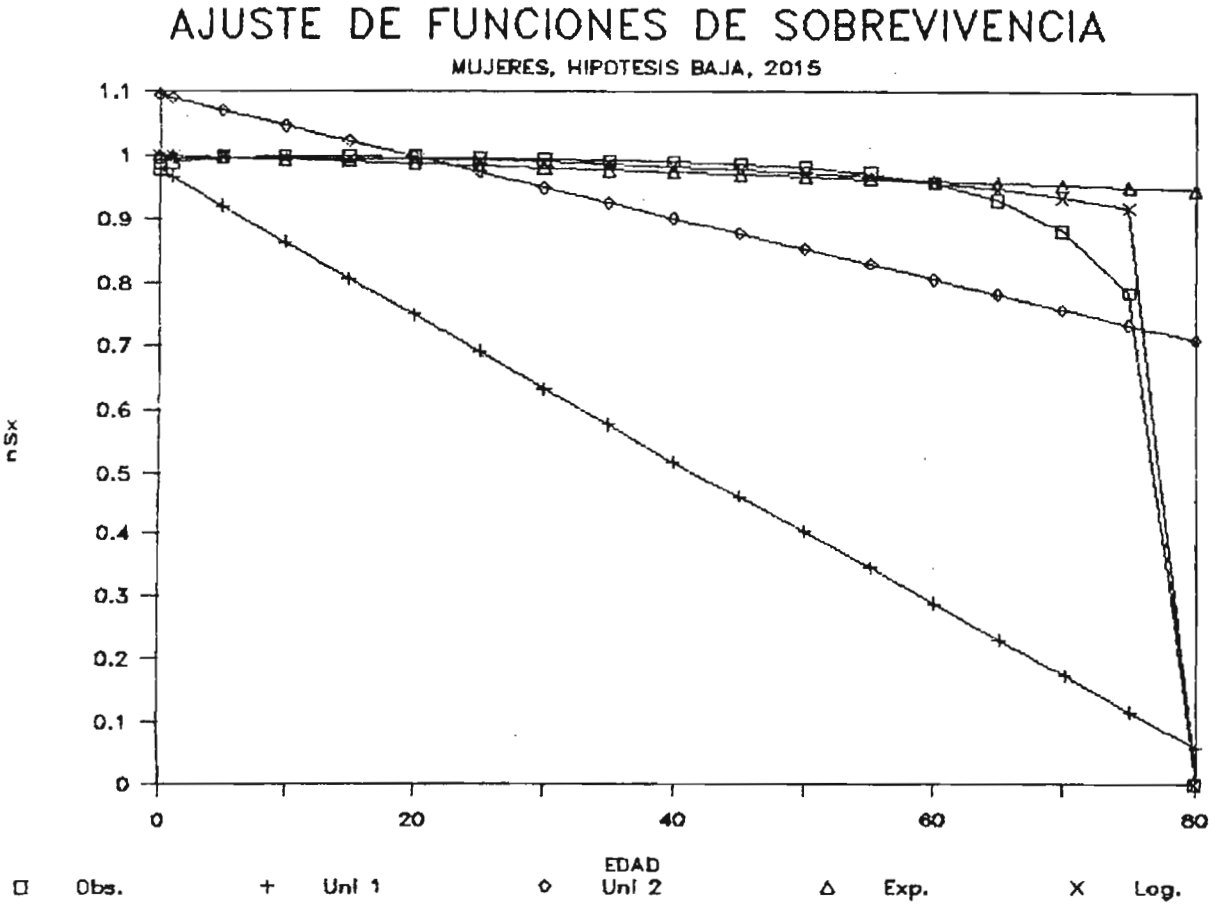
Gráficas 117 y 118



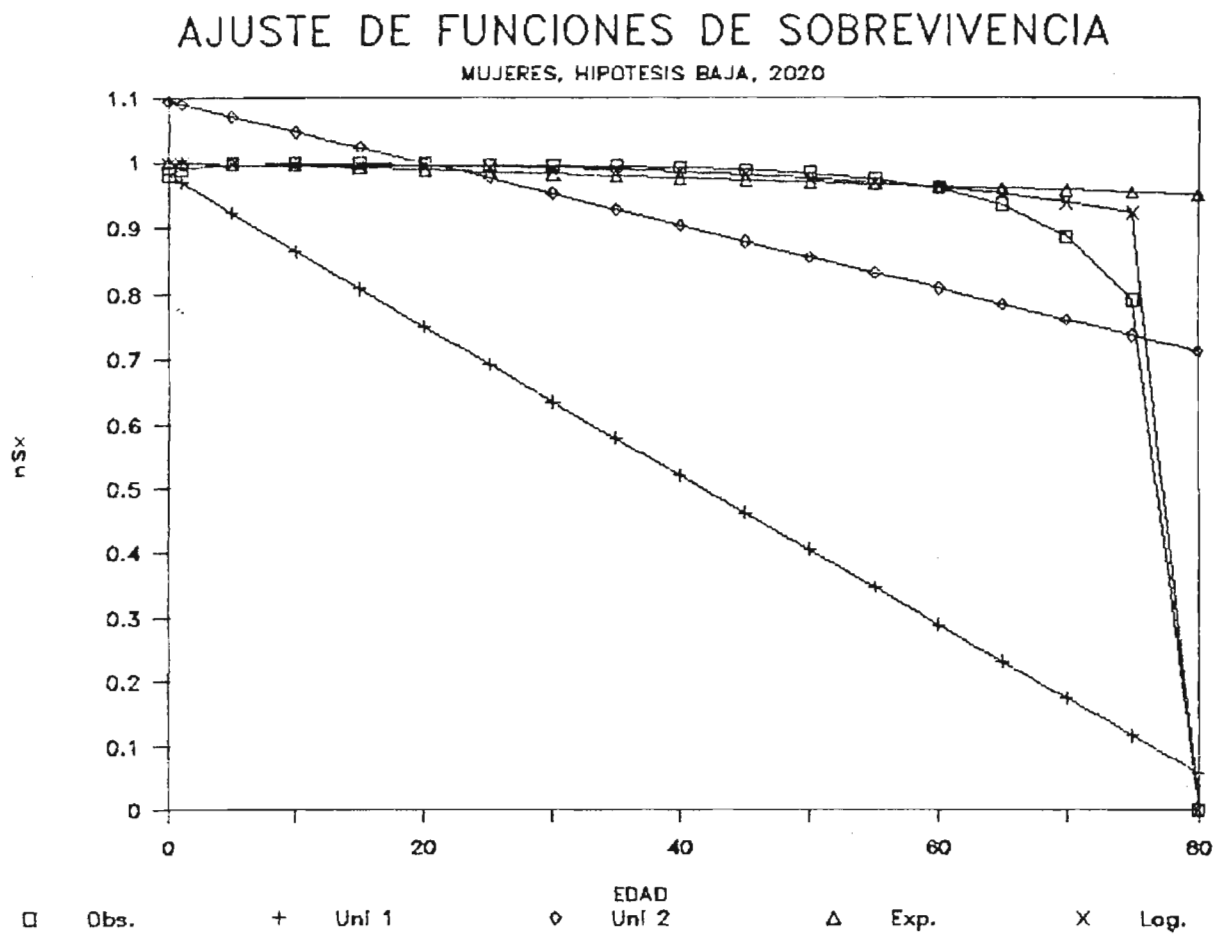


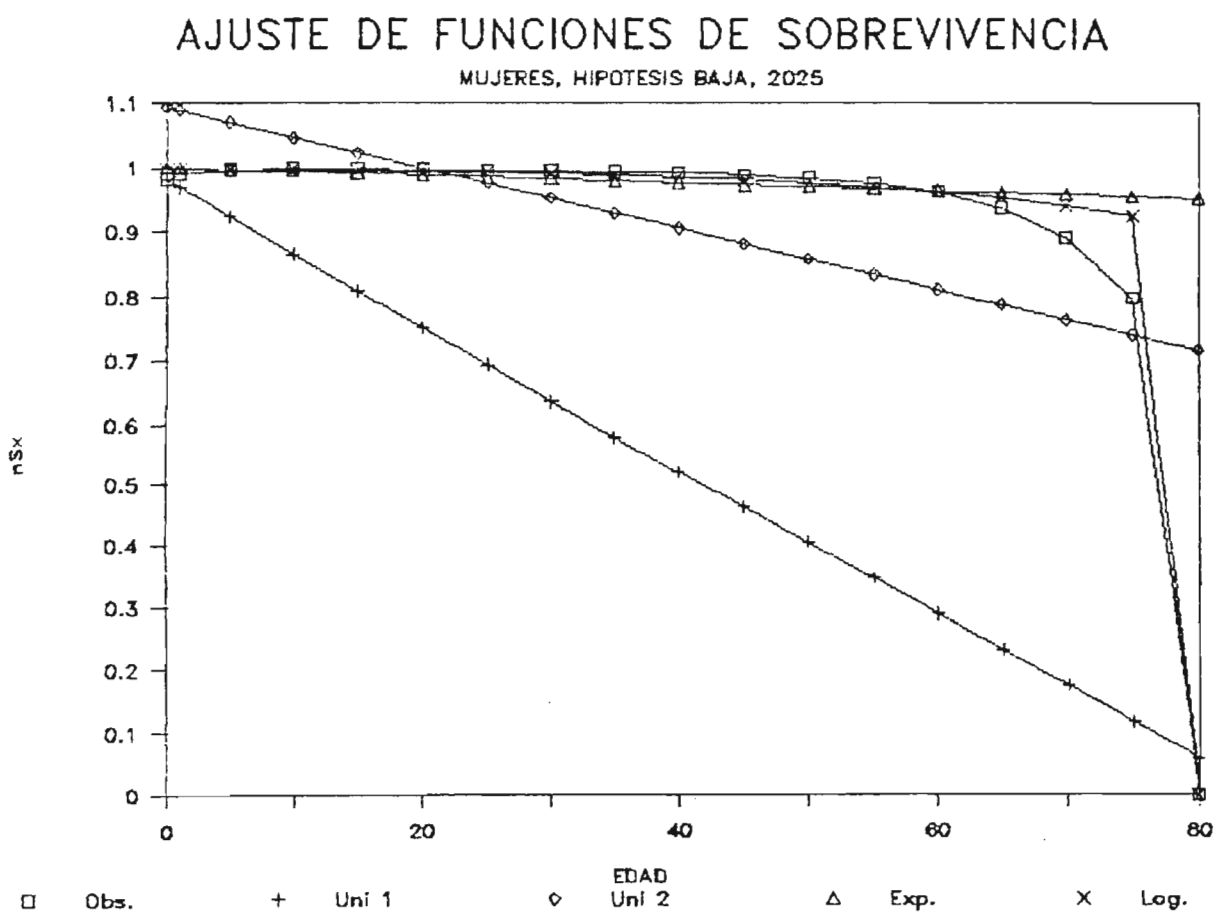
Gráficas 119 y 120



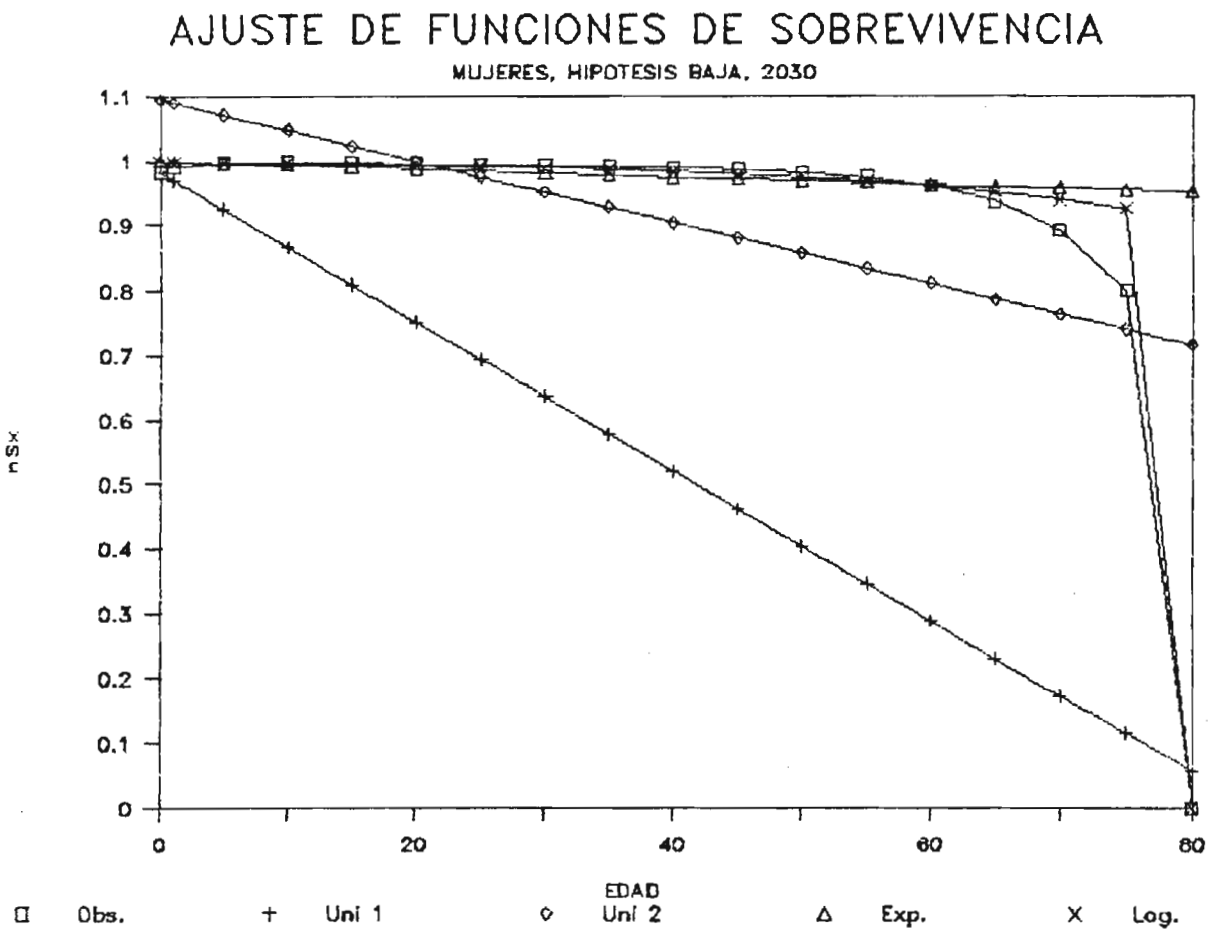


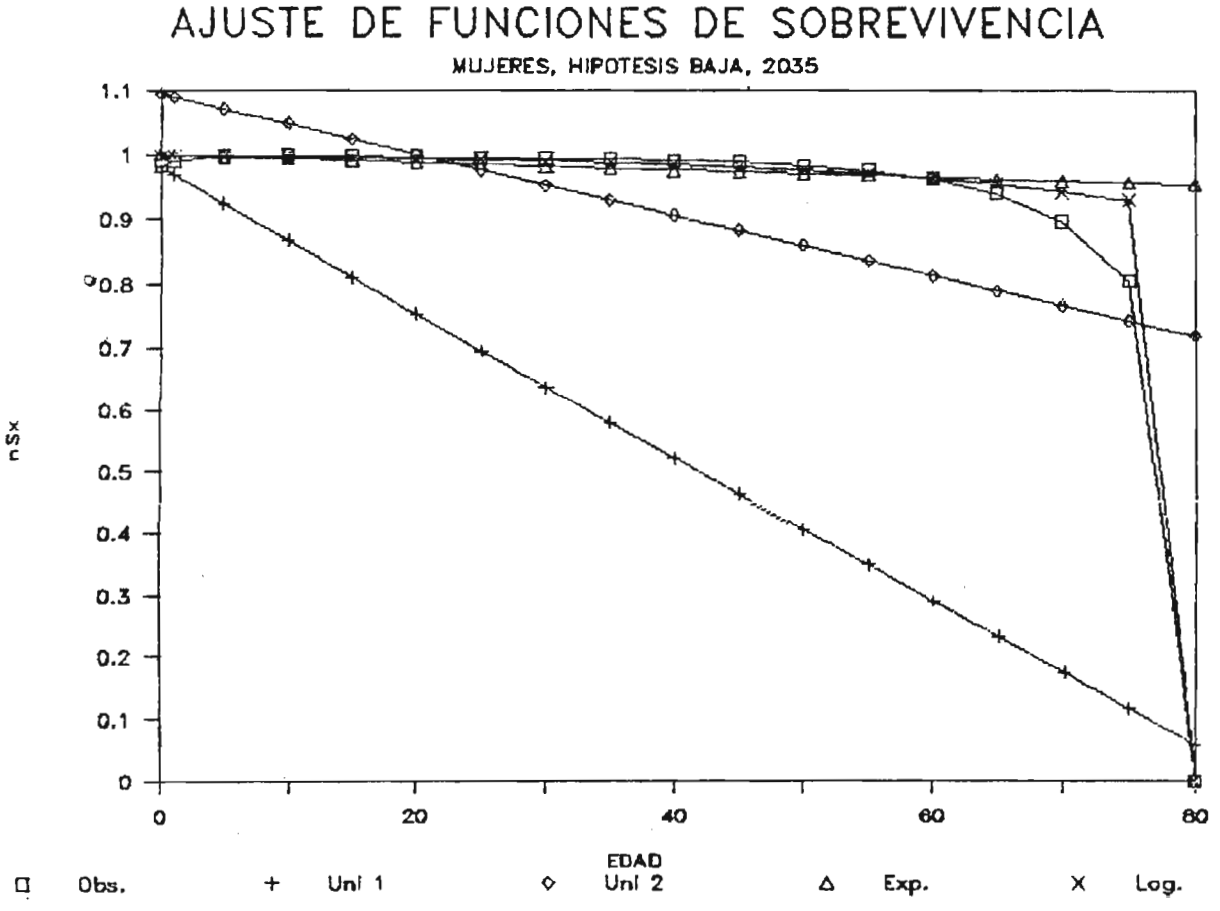
Gráficas 121 y 122



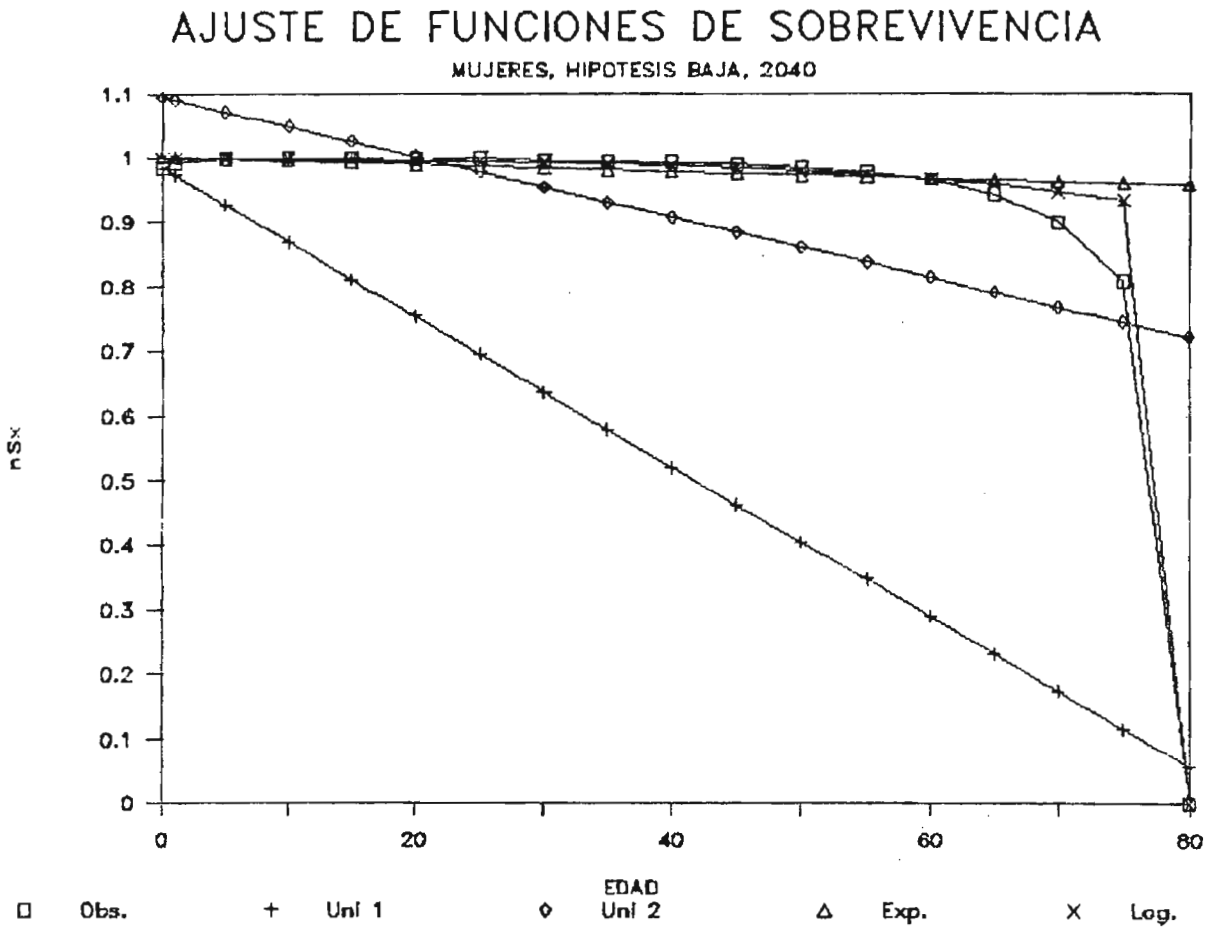


Gráficas 123 y 124





Gráfica 125


AJUSTE DE FUNCIONES DE SOBREVIVENCIA
MUJERES, HIPOTESIS BAJA, 2040
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80
EDAD
Obs.
Uni 1
Uni 2
Exp.
Log.

Cuadro 60

COMPARACION DE PROBABILIDADES FEMENINAS PROYECTADAS, OBSERVADAS Y ESTIMADAS, 1980 - 2040

Hipótesis Baja

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
						PROBABILIDADES OBSERVADAS							
0	0.93001	0.93892	0.94603	0.95178	0.95648	0.96035	0.96357	0.96628	0.96856	0.97051	0.97217	0.97361	0.97485
5	0.99342	0.99420	0.99483	0.99535	0.99577	0.99612	0.99641	0.99666	0.99687	0.99704	0.99720	0.99733	0.99745
10	0.99645	0.99687	0.99720	0.99748	0.99771	0.99790	0.99805	0.99819	0.99830	0.99839	0.99848	0.99855	0.99861
15	0.99501	0.99560	0.99607	0.99645	0.99677	0.99703	0.99725	0.99744	0.99760	0.99773	0.99785	0.99795	0.99803
20	0.99231	0.99320	0.99391	0.99450	0.99499	0.99539	0.99573	0.99602	0.99626	0.99647	0.99665	0.99680	0.99694
25	0.99002	0.99115	0.99207	0.99283	0.99345	0.99398	0.99441	0.99478	0.99510	0.99537	0.99560	0.99580	0.99897
30	0.98729	0.98870	0.98986	0.99081	0.99160	0.99226	0.99281	0.99328	0.99368	0.99402	0.99431	0.99457	0.99479
35	0.98408	0.98581	0.98723	0.98840	0.98938	0.99019	0.99088	0.99147	0.99196	0.99239	0.99276	0.99307	0.99335
40	0.98067	0.98271	0.98440	0.98580	0.98696	0.98794	0.98877	0.98947	0.99007	0.99059	0.99103	0.99142	0.99175
45	0.97470	0.97728	0.97943	0.98121	0.98271	0.98398	0.98504	0.98595	0.98673	0.98740	0.98798	0.98848	0.98892
50	0.96489	0.96831	0.97117	0.97357	0.97560	0.97731	0.97877	0.98002	0.98109	0.98201	0.98281	0.98350	0.98410
55	0.95079	0.95529	0.95909	0.96232	0.96505	0.96738	0.96938	0.97109	0.97256	0.97384	0.97494	0.97590	0.97674
60	0.92851	0.93448	0.93959	0.94398	0.94775	0.95099	0.95377	0.95618	0.95826	0.96007	0.96165	0.96302	0.96422
65	0.89219	0.90003	0.90689	0.91288	0.91809	0.92262	0.92657	0.93001	0.93301	0.93563	0.93792	0.93993	0.94169
70	0.83097	0.84078	0.84966	0.85758	0.86463	0.87087	0.87638	0.88124	0.88553	0.88932	0.89265	0.89559	0.89818
75	0.72492	0.73525	0.74545	0.75486	0.76346	0.77127	0.77833	0.78467	0.79036	0.79543	0.79996	0.80398	0.80756
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
						PROBABILIDADES ESTIMADAS							
						Gompertz							
0	1.00940	1.00699	1.00536	1.00419	1.00333	1.00269	1.00220	1.00182	1.00151	1.00128	1.00108	1.00091	1.00301
5	1.00850	1.00632	1.00483	1.00376	1.00298	1.00240	1.00195	1.00160	1.00132	1.00111	1.00092	1.00077	1.00282
10	1.00723	1.00535	1.00406	1.00314	1.00247	1.00196	1.00157	1.00127	1.00103	1.00084	1.00068	1.00055	1.00254
15	1.00547	1.00398	1.00296	1.00223	1.00170	1.00130	1.00099	1.00076	1.00057	1.00043	1.00031	1.00020	1.00210
20	1.00302	1.00203	1.00137	1.00090	1.00057	1.00032	1.00013	0.99999	0.99988	0.99980	0.99973	0.99967	1.00143
25	0.99960	0.99927	0.99907	0.99896	0.99889	0.99885	0.99882	0.99882	0.99881	0.99882	0.99882	0.99882	1.00041
30	0.99484	0.99535	0.99577	0.99611	0.99641	0.99665	0.99685	0.99703	0.99718	0.99731	0.99742	0.99751	0.99886
35	0.98824	0.98980	0.99101	0.99197	0.99274	0.99337	0.99388	0.99432	0.99468	0.99498	0.99524	0.99546	0.99650
40	0.97908	0.98196	0.98418	0.98593	0.98733	0.98847	0.98941	0.99019	0.99085	0.99140	0.99187	0.99227	0.99292
45	0.96645	0.97091	0.97439	0.97715	0.97937	0.98119	0.98269	0.98395	0.98500	0.98589	0.98665	0.98730	0.98748
50	0.94906	0.95542	0.96041	0.96443	0.96770	0.97039	0.97263	0.97450	0.97609	0.97743	0.97859	0.97958	0.97924
55	0.92531	0.93379	0.94058	0.94611	0.95065	0.95443	0.95761	0.96029	0.96256	0.96451	0.96619	0.96764	0.96680
60	0.89313	0.90388	0.91265	0.91990	0.92595	0.93103	0.93535	0.93902	0.94217	0.94487	0.94723	0.94927	0.94815
65	0.85005	0.86296	0.87375	0.88283	0.89051	0.89707	0.90268	0.90752	0.91170	0.91532	0.91849	0.92125	0.92040
70	0.79333	0.80793	0.82047	0.83122	0.84049	0.84851	0.85548	0.86155	0.86685	0.87147	0.87554	0.87910	0.87964
75	0.72040	0.73564	0.74917	0.76103	0.77148	0.78067	0.78877	0.79593	0.80224	0.80780	0.81272	0.81705	0.82093
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Cuadro 60
(Continuación)

COMPARACION DE PROBABILIDADES FEMENINAS PROYECTADAS, OBSERVADAS Y ESTIMADAS, 1980 - 2040

Hipótesis Baja

EDAD	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
						PROBABILIDADES ESTIMADAS							
						Gompertz - Makeham							
0	1.04353	1.03924	1.03565	1.03265	1.03012	1.02798	1.02615	1.02459	1.02324	1.02209	1.02108	1.02020	1.02301
5	1.03733	1.03363	1.03054	1.02796	1.02580	1.02396	1.02239	1.02105	1.01989	1.01891	1.01804	1.01728	1.01994
10	1.03080	1.02775	1.02522	1.02310	1.02131	1.01980	1.01851	1.01740	1.01645	1.01564	1.01492	1.01429	1.01677
15	1.02380	1.02150	1.01958	1.01796	1.01660	1.01544	1.01444	1.01360	1.01286	1.01223	1.01167	1.01119	1.01346
20	1.01614	1.01470	1.01347	1.01243	1.01154	1.01077	1.01010	1.00953	1.00904	1.00861	1.00823	1.00789	1.00994
25	1.00756	1.00711	1.00669	1.00630	1.00595	1.00563	1.00534	1.00508	1.00485	1.00466	1.00447	1.00431	1.00607
30	0.99770	0.99842	0.99893	0.99931	0.99958	0.99978	0.99992	1.00004	1.00012	1.00019	1.00023	1.00026	1.00168
35	0.98608	0.98816	0.98978	0.99105	0.99206	0.99288	0.99354	0.99408	0.99453	0.99491	0.99523	0.99550	0.99650
40	0.97201	0.97570	0.97862	0.98096	0.98286	0.98441	0.98569	0.98676	0.98765	0.98841	0.98905	0.98961	0.99012
45	0.95462	0.96016	0.96461	0.96822	0.97118	0.97362	0.97565	0.97736	0.97880	0.98002	0.98107	0.98197	0.98192
50	0.93272	0.94037	0.94659	0.95169	0.95590	0.95941	0.96235	0.96484	0.96695	0.96875	0.97031	0.97165	0.97098
55	0.90479	0.91474	0.92295	0.92976	0.93544	0.94022	0.94425	0.94768	0.95062	0.95313	0.95531	0.95719	0.95595
60	0.86890	0.88125	0.89160	0.90029	0.90762	0.91384	0.91915	0.92370	0.92761	0.93098	0.93391	0.93647	0.93486
65	0.82281	0.83738	0.84983	0.86045	0.86952	0.87731	0.88402	0.88982	0.89485	0.89920	0.90302	0.90635	0.90494
70	0.76404	0.78028	0.79449	0.80681	0.81751	0.82682	0.83493	0.84201	0.84819	0.85360	0.85836	0.86254	0.86243
75	0.69027	0.70710	0.72224	0.73565	0.74750	0.75796	0.76720	0.77536	0.78256	0.78891	0.79453	0.79948	0.80261
80	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Fuente : Cuadros 25, 37 y 41.

Cuadro 61

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS
OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Baja

Edad	Observadas	Gompertz	Z error	Gompertz Makeham	Z error
			1 9 8 0		
0	0.93001	1.00940	-0.0794	1.04353	-0.1135
5	0.99342	1.00850	-0.0151	1.03733	-0.0439
10	0.99645	1.00723	-0.0108	1.03080	-0.0343
15	0.99501	1.00547	-0.0105	1.02380	-0.0288
20	0.99231	1.00302	-0.0107	1.01614	-0.0238
25	0.99002	0.99960	-0.0096	1.00756	-0.0175
30	0.98729	0.99484	-0.0076	0.99770	-0.0104
35	0.98408	0.98824	-0.0042	0.98608	-0.0020
40	0.98067	0.97908	0.0016	0.97201	0.0087
45	0.97470	0.96645	0.0083	0.95462	0.0201
50	0.96489	0.94906	0.0158	0.93272	0.0322
55	0.95079	0.92531	0.0255	0.90478	0.0460
60	0.92851	0.89313	0.0354	0.86890	0.0596
65	0.89219	0.85005	0.0421	0.82281	0.0694
70	0.83097	0.79333	0.0376	0.76404	0.0669
75	0.72492	0.72040	0.0045	0.69029	0.0346
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			2.11		4.05
			1 9 8 5		
0	0.93892	1.00699	-0.0681	1.03924	-0.1003
5	0.99420	1.00632	-0.0121	1.03363	-0.0394
10	0.99687	1.00535	-0.0085	1.02775	-0.0309
15	0.99560	1.00398	-0.0084	1.02150	-0.0259
20	0.99320	1.00203	-0.0088	1.01470	-0.0215
25	0.99115	0.99927	-0.0081	1.00711	-0.0160
30	0.98870	0.99535	-0.0066	0.99842	-0.0097
35	0.98581	0.98980	-0.0040	0.98816	-0.0024
40	0.98271	0.98196	0.0008	0.97570	0.0070
45	0.97728	0.97091	0.0064	0.96016	0.0171
50	0.96831	0.95542	0.0129	0.94037	0.0279
55	0.95529	0.93379	0.0215	0.91474	0.0405
60	0.93448	0.90388	0.0306	0.88125	0.0532
65	0.90003	0.86296	0.0371	0.83738	0.0626
70	0.84078	0.80793	0.0328	0.78028	0.0605
75	0.73525	0.73564	-0.0004	0.70710	0.0281
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.76		3.58

Cuadro 61
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS
OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Baja

Edad	Observadas	Gompertz	% error	Gompertz Makeham	% error
			1 9 9 0		
0	0.94603	1.00536	-0.0593	1.03565	-0.0896
5	0.99483	1.00483	-0.0100	1.03054	-0.0357
10	0.99720	1.00406	-0.0069	1.02522	-0.0280
15	0.99607	1.00296	-0.0069	1.01958	-0.0235
20	0.99391	1.00137	-0.0075	1.01347	-0.0196
25	0.99207	0.99907	-0.0070	1.00669	-0.0146
30	0.98986	0.99577	-0.0059	0.99893	-0.0091
35	0.98723	0.99101	-0.0038	0.98978	-0.0025
40	0.98440	0.98418	0.0002	0.97862	0.0058
45	0.97943	0.97439	0.0050	0.96461	0.0148
50	0.97117	0.96041	0.0108	0.94659	0.0246
55	0.95909	0.94058	0.0185	0.92295	0.0361
60	0.93959	0.91265	0.0269	0.89160	0.0480
65	0.90689	0.87375	0.0331	0.84983	0.0571
70	0.84966	0.82047	0.0292	0.79449	0.0552
75	0.74545	0.74917	-0.0037	0.72224	0.0232
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.54		3.20
			2 0 0 0		
0	0.95178	1.00419	-0.0524	1.03265	-0.0809
5	0.99535	1.00376	-0.0084	1.02796	-0.0326
10	0.99748	1.00314	-0.0057	1.02310	-0.0256
15	0.99645	1.00223	-0.0058	1.01796	-0.0215
20	0.99450	1.00090	-0.0064	1.01243	-0.0179
25	0.99283	0.99896	-0.0061	1.00630	-0.0135
30	0.99081	0.99611	-0.0053	0.99931	-0.0085
35	0.98840	0.99197	-0.0036	0.99105	-0.0026
40	0.98580	0.98593	-0.0001	0.98096	0.0048
45	0.98121	0.97715	0.0041	0.96822	0.0130
50	0.97357	0.96443	0.0091	0.95169	0.0219
55	0.96232	0.94611	0.0162	0.92976	0.0326
60	0.94398	0.91990	0.0241	0.90029	0.0437
65	0.91288	0.88283	0.0301	0.86045	0.0524
70	0.85758	0.83122	0.0264	0.80681	0.0508
75	0.75486	0.76103	-0.0062	0.73565	0.0192
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.37		2.89

Cuadro 61
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS
OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Baja

Edad	Observadas	Gompertz	% error	Gompertz Makeham	% error
			2 0 0 0		
0	0.95648	1.00333	-0.0469	1.03012	-0.0736
5	0.99577	1.00298	-0.0072	1.02580	-0.0300
10	0.99771	1.00247	-0.0048	1.02131	-0.0236
15	0.99677	1.00170	-0.0049	1.01660	-0.0198
20	0.99499	1.00057	-0.0056	1.01154	-0.0165
25	0.99345	0.99889	-0.0054	1.00595	-0.0125
30	0.99160	0.99641	-0.0048	0.99958	-0.0080
35	0.98938	0.99274	-0.0034	0.99206	-0.0027
40	0.98696	0.98733	-0.0004	0.98286	0.0041
45	0.98271	0.97937	0.0033	0.97118	0.0115
50	0.97560	0.96770	0.0079	0.95590	0.0197
55	0.96505	0.95065	0.0144	0.93544	0.0296
60	0.94775	0.92595	0.0218	0.90762	0.0401
65	0.91809	0.89051	0.0276	0.86952	0.0486
70	0.86463	0.84049	0.0241	0.81751	0.0471
75	0.76346	0.77148	-0.0080	0.74750	0.0160
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.24		2.63
			2 0 0 5		
0	0.96035	1.00269	-0.0423	1.02798	-0.0676
5	0.99612	1.00240	-0.0063	1.02396	-0.0278
10	0.99790	1.00196	-0.0041	1.01980	-0.0219
15	0.99703	1.00130	-0.0043	1.01544	-0.0184
20	0.99539	1.00032	-0.0049	1.01077	-0.0154
25	0.99398	0.99885	-0.0049	1.00563	-0.0116
30	0.99226	0.99665	-0.0044	0.99978	-0.0075
35	0.99019	0.99337	-0.0032	0.99288	-0.0027
40	0.98794	0.98847	-0.0005	0.98441	0.0035
45	0.98398	0.98119	0.0028	0.97362	0.0104
50	0.97731	0.97039	0.0069	0.95941	0.0179
55	0.96738	0.95443	0.0129	0.94022	0.0272
60	0.95099	0.93103	0.0200	0.91384	0.0371
65	0.92262	0.89707	0.0256	0.87731	0.0453
70	0.87087	0.84851	0.0224	0.82682	0.0441
75	0.77127	0.78067	-0.0094	0.75796	0.0133
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.14		2.42

Cuadro 61
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS
OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Baja

Edad	Observadas	Gompertz	% error	Gompertz Makeham	% error
			2 0 1 0		
0	0.96357	1.00220	-0.0386	1.02615	-0.0626
5	0.99641	1.00195	-0.0055	1.02239	-0.0260
10	0.99805	1.00157	-0.0035	1.01851	-0.0205
15	0.99725	1.00099	-0.0037	1.01444	-0.0172
20	0.99573	1.00013	-0.0044	1.01010	-0.0144
25	0.99441	0.99882	-0.0044	1.00534	-0.0109
30	0.99281	0.99685	-0.0040	0.99992	-0.0071
35	0.99088	0.99388	-0.0030	0.99354	-0.0027
40	0.98877	0.98941	-0.0006	0.98569	0.0031
45	0.98504	0.98269	0.0023	0.97565	0.0094
50	0.97877	0.97263	0.0061	0.96235	0.0164
55	0.96938	0.95761	0.0118	0.94425	0.0251
60	0.95377	0.93535	0.0184	0.91915	0.0346
65	0.92657	0.90268	0.0239	0.88402	0.0425
70	0.87638	0.85548	0.0209	0.83493	0.0415
75	0.77833	0.78877	-0.0104	0.76720	0.0111
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			1.05		2.24
			2 0 1 5		
0	0.96628	1.00182	-0.0355	1.02459	-0.0583
5	0.99666	1.00160	-0.0049	1.02105	-0.0244
10	0.99819	1.00127	-0.0031	1.01740	-0.0192
15	0.99744	1.00076	-0.0033	1.01360	-0.0162
20	0.99602	0.99999	-0.0040	1.00953	-0.0135
25	0.99478	0.99882	-0.0040	1.00508	-0.0103
30	0.99328	0.99703	-0.0038	1.00004	-0.0068
35	0.99147	0.99432	-0.0028	0.99408	-0.0026
40	0.98947	0.99019	-0.0007	0.98676	0.0027
45	0.98595	0.98395	0.0020	0.97736	0.0086
50	0.98002	0.97450	0.0055	0.96484	0.0152
55	0.97109	0.96029	0.0108	0.94768	0.0234
60	0.95618	0.93902	0.0172	0.92370	0.0325
65	0.93001	0.90752	0.0225	0.88982	0.0402
70	0.88124	0.86155	0.0197	0.84201	0.0392
75	0.78467	0.79593	-0.0113	0.77536	0.0093
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			0.98		2.09

Cuadro 61
(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS
OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Baja

Edad	Observadas	Gompertz	% error	Gompertz Makeham	% error
			2020		
0	0.96856	1.00151	-0.0330	1.02324	-0.0547
5	0.99687	1.00132	-0.0045	1.01989	-0.0230
10	0.99830	1.00103	-0.0027	1.01645	-0.0182
15	0.99760	1.00057	-0.0030	1.01286	-0.0153
20	0.99626	0.99988	-0.0036	1.00904	-0.0128
25	0.99510	0.99881	-0.0037	1.00485	-0.0098
30	0.99368	0.99718	-0.0035	1.00012	-0.0064
35	0.99196	0.99468	-0.0027	0.99453	-0.0026
40	0.99007	0.99085	-0.0008	0.98765	0.0024
45	0.98673	0.98500	0.0017	0.97880	0.0079
50	0.98109	0.97609	0.0050	0.96695	0.0141
55	0.97256	0.96256	0.0100	0.95062	0.0219
60	0.95826	0.94217	0.0161	0.92761	0.0307
65	0.93301	0.91170	0.0213	0.89485	0.0382
70	0.88553	0.86685	0.0187	0.84819	0.0373
75	0.79036	0.80224	-0.0119	0.78256	0.0078
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			0.92		1.96
			2025		
0	0.97051	1.00128	-0.0308	1.02209	-0.0516
5	0.99704	1.00111	-0.0041	1.01891	-0.0219
10	0.99839	1.00084	-0.0025	1.01564	-0.0172
15	0.99773	1.00043	-0.0027	1.01223	-0.0145
20	0.99647	0.99980	-0.0033	1.00861	-0.0121
25	0.99537	0.99882	-0.0034	1.00466	-0.0093
30	0.99402	0.99731	-0.0033	1.00019	-0.0062
35	0.99239	0.99498	-0.0026	0.99491	-0.0025
40	0.99059	0.99140	-0.0008	0.98841	0.0022
45	0.98740	0.98589	0.0015	0.98002	0.0074
50	0.98201	0.97743	0.0046	0.96875	0.0133
55	0.97384	0.96451	0.0093	0.95313	0.0207
60	0.96007	0.94487	0.0152	0.93098	0.0291
65	0.93563	0.91532	0.0203	0.89920	0.0364
70	0.88932	0.87147	0.0179	0.85360	0.0357
75	0.79543	0.80780	-0.0124	0.78891	0.0065
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			0.87		1.85

Cuadro 61

(Continuación)

COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS
OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

Hipótesis Baja

Edad	Observadas	Gompertz	% error	Gompertz Makeham	% error
			2 0 3 0		
0	0.97217	1.00108	-0.0289	1.02108	-0.0489
5	0.99720	1.00092	-0.0037	1.01804	-0.0208
10	0.99848	1.00068	-0.0022	1.01492	-0.0164
15	0.99785	1.00031	-0.0025	1.01167	-0.0138
20	0.99665	0.99973	-0.0031	1.00823	-0.0116
25	0.99560	0.99882	-0.0032	1.00447	-0.0089
30	0.99431	0.99742	-0.0031	1.00023	-0.0059
35	0.99276	0.99524	-0.0025	0.99523	-0.0025
40	0.99103	0.99187	-0.0008	0.98905	0.0020
45	0.98798	0.98665	0.0013	0.98107	0.0069
50	0.98281	0.97859	0.0042	0.97031	0.0125
55	0.97494	0.96619	0.0088	0.95531	0.0196
60	0.96165	0.94723	0.0144	0.93391	0.0277
65	0.93792	0.91849	0.0194	0.90302	0.0349
70	0.89265	0.87554	0.0171	0.85836	0.0343
75	0.79996	0.81272	-0.0128	0.79453	0.0054
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			0.83		1.76
			2 0 3 5		
0	0.97361	1.00091	-0.0273	1.02020	-0.0466
5	0.99733	1.00077	-0.0034	1.01728	-0.0200
10	0.99855	1.00055	-0.0020	1.01429	-0.0157
15	0.99795	1.00020	-0.0023	1.01119	-0.0132
20	0.99680	0.99967	-0.0029	1.00789	-0.0111
25	0.99580	0.99882	-0.0030	1.00431	-0.0085
30	0.99457	0.99751	-0.0029	1.00026	-0.0057
35	0.99307	0.99546	-0.0024	0.99550	-0.0024
40	0.99142	0.99227	-0.0009	0.98961	0.0018
45	0.98848	0.98730	0.0012	0.98197	0.0065
50	0.98350	0.97958	0.0039	0.97165	0.0119
55	0.97590	0.96764	0.0083	0.95719	0.0187
60	0.96302	0.94927	0.0138	0.93647	0.0266
65	0.93993	0.92125	0.0187	0.90635	0.0336
70	0.89559	0.87910	0.0165	0.86254	0.0331
75	0.80398	0.81705	-0.0131	0.79948	0.0045
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			0.79		1.68

Cuadro 61
(Continuación)

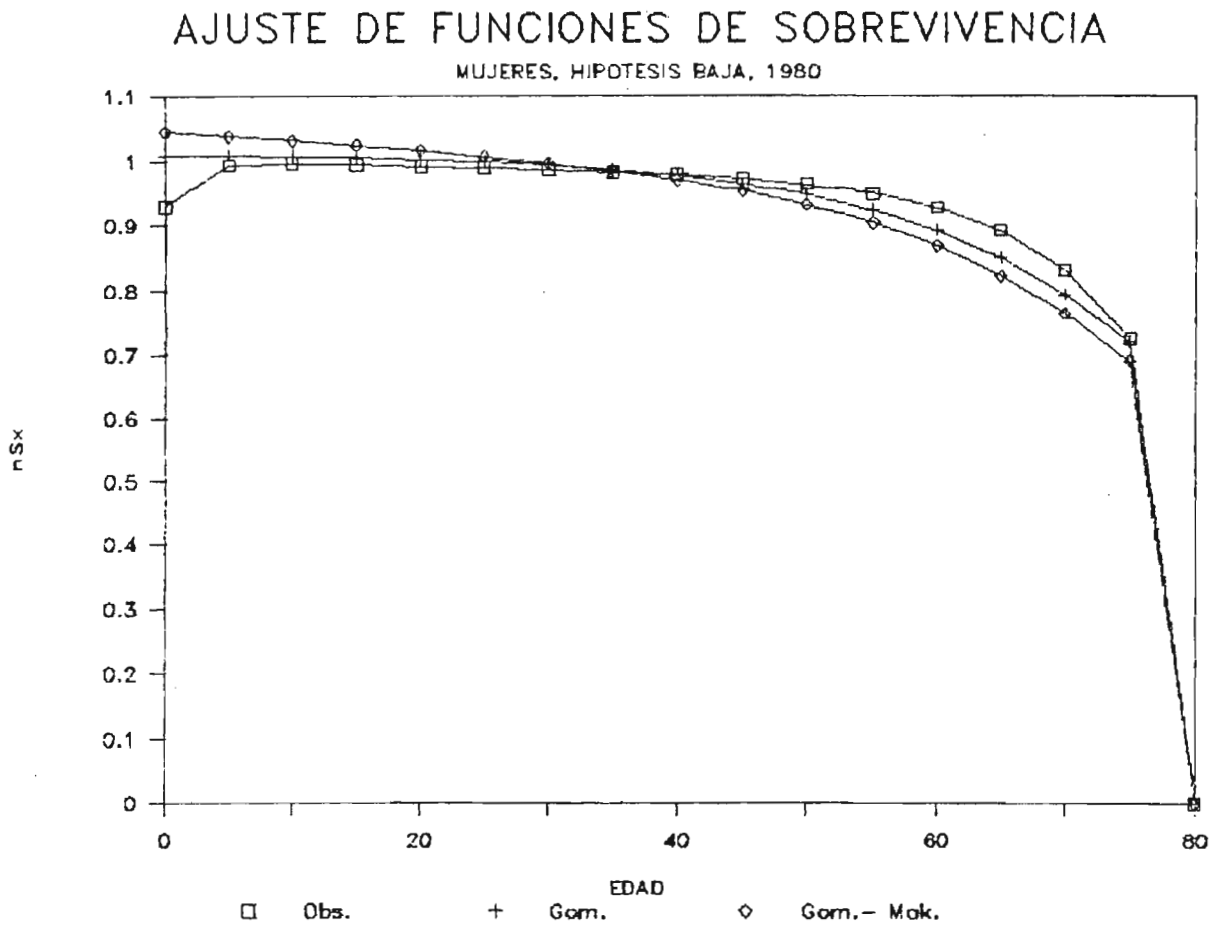
COMPARACION DE PROBABILIDADES DE SOBREVIVENCIA FEMENINAS
OBSERVADAS Y ESTIMADAS PARA DISTINTOS AÑOS

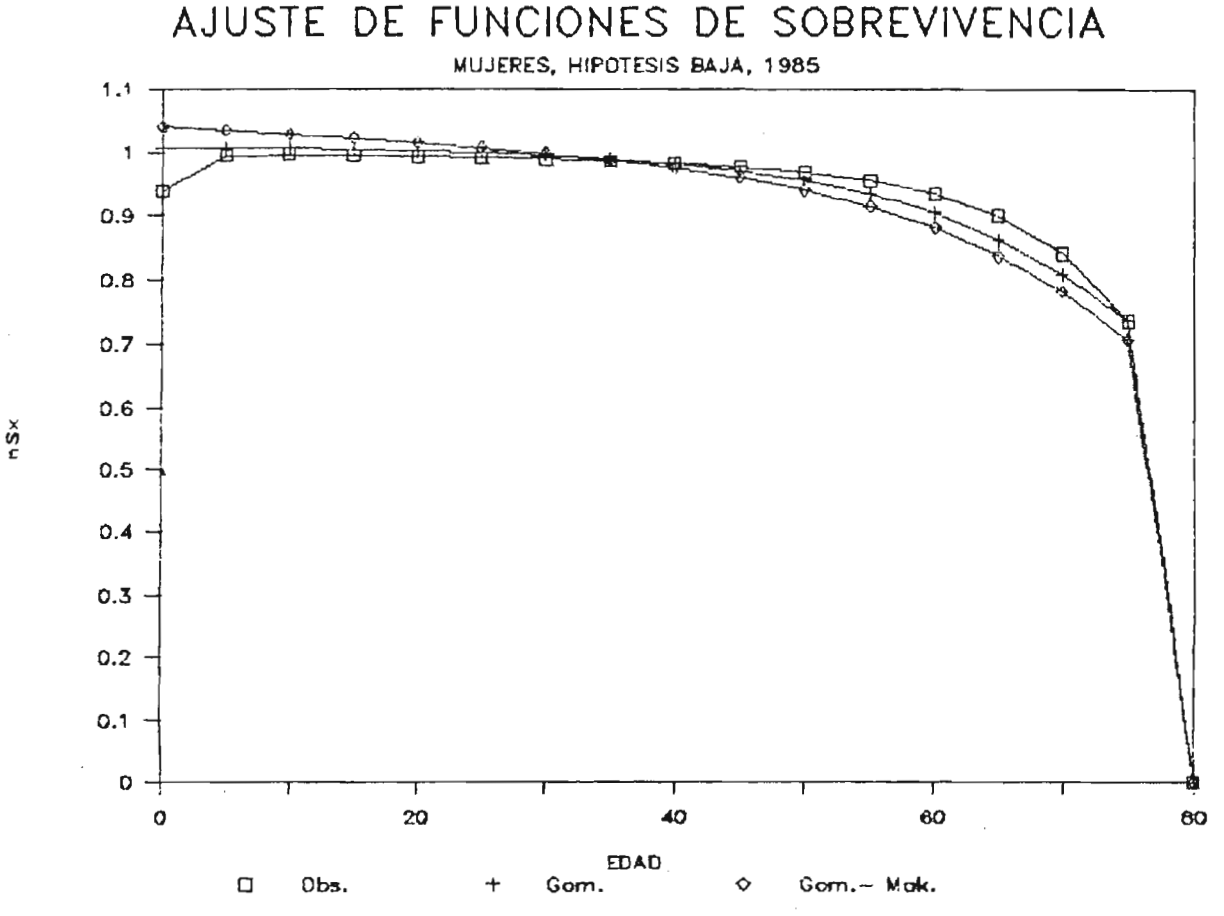
Hipótesis Baja

Edad	Observadas	Gompertz	% error	Gompertz Makeham	% error
			2040		
0	0.97485	1.00301	-0.0282	1.02301	-0.0482
5	0.99745	1.00282	-0.0054	1.01994	-0.0225
10	0.99861	1.00254	-0.0039	1.01677	-0.0182
15	0.99803	1.00210	-0.0041	1.01346	-0.0154
20	0.99694	1.00143	-0.0045	1.00994	-0.0130
25	0.99897	1.00041	-0.0014	1.00607	-0.0071
30	0.99479	0.99886	-0.0041	1.00168	-0.0069
35	0.99335	0.99650	-0.0032	0.99650	-0.0031
40	0.99175	0.99292	-0.0012	0.99012	0.0016
45	0.98892	0.98748	0.0014	0.98192	0.0070
50	0.98410	0.97924	0.0049	0.97098	0.0131
55	0.97674	0.96680	0.0099	0.95595	0.0208
60	0.96422	0.94815	0.0161	0.93486	0.0294
65	0.94169	0.92040	0.0213	0.90494	0.0367
70	0.89818	0.87964	0.0185	0.86243	0.0357
75	0.80756	0.82093	-0.0134	0.80261	0.0050
80	0.00000	0.00000	0.0000	0.00000	0.0000
ERROR MEDIO ABSOLUTO (%)			0.91		1.83

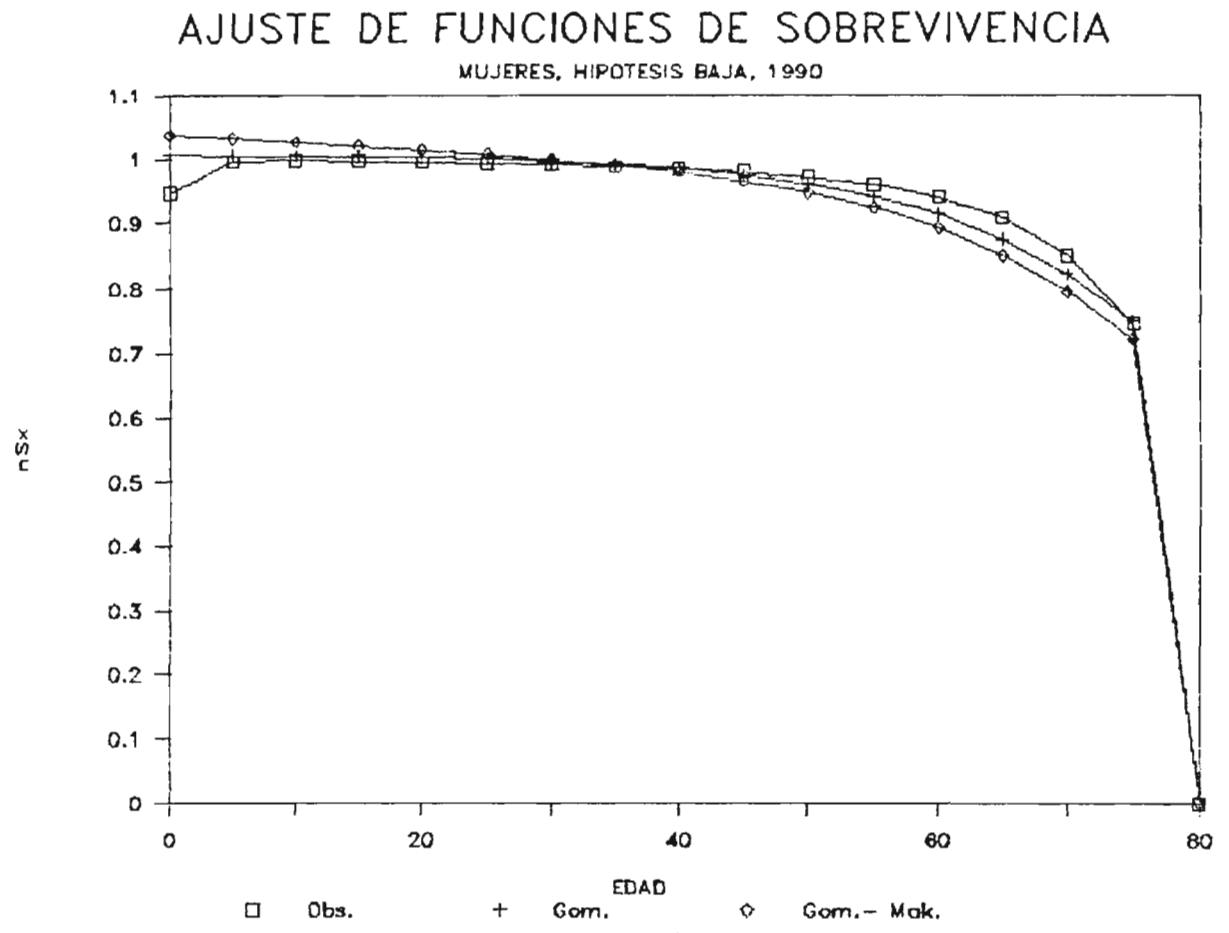
Fuente: Cuadro 60.

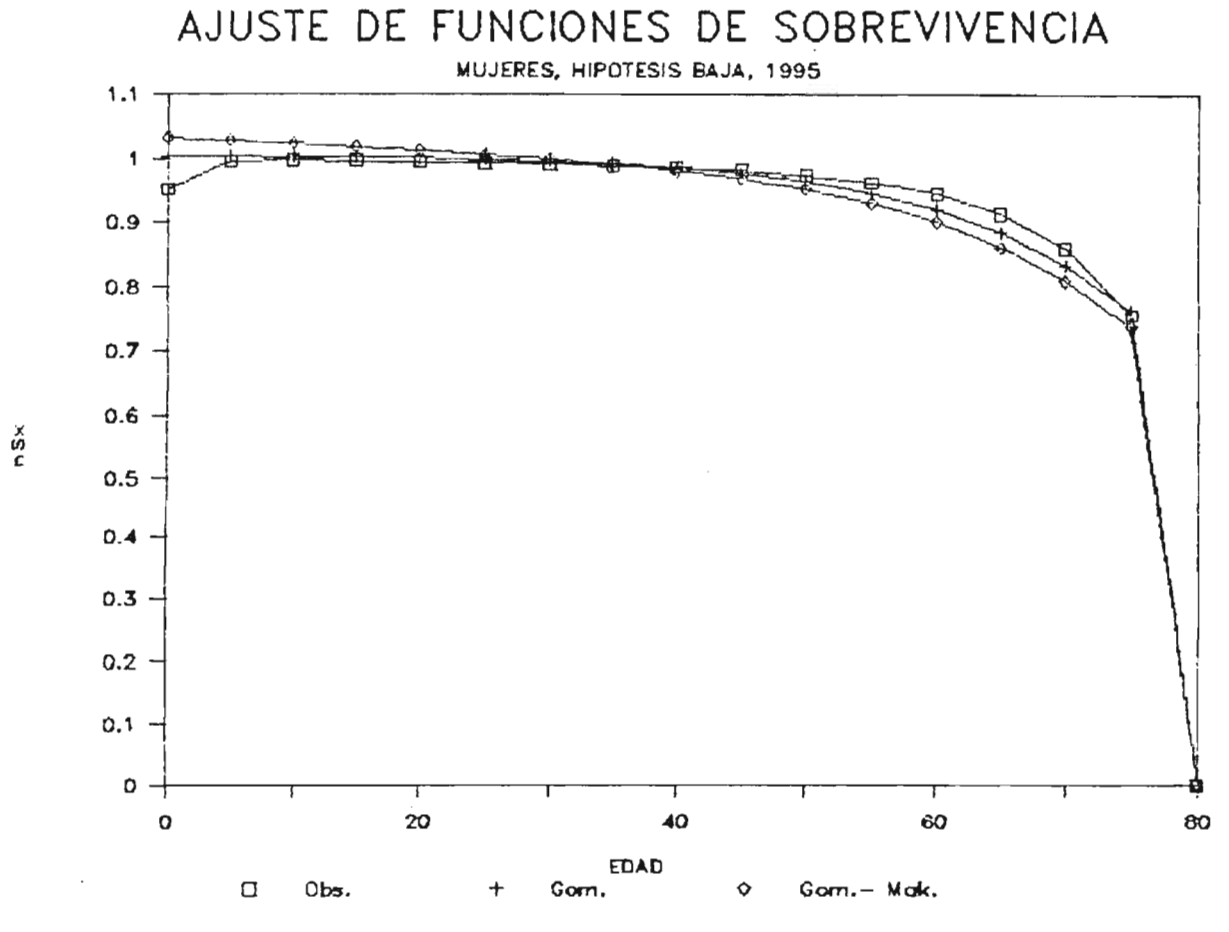
Gráficas 126 y 127



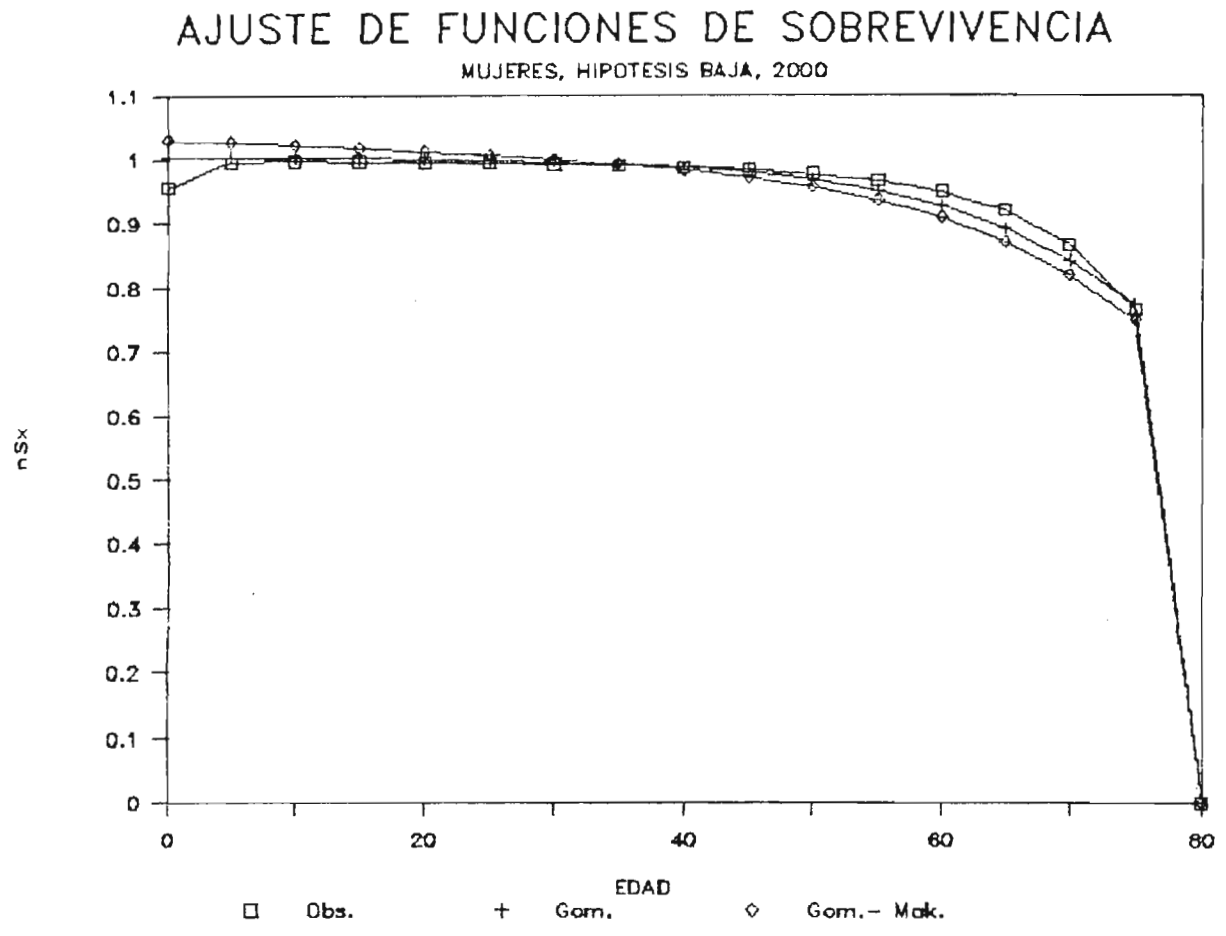


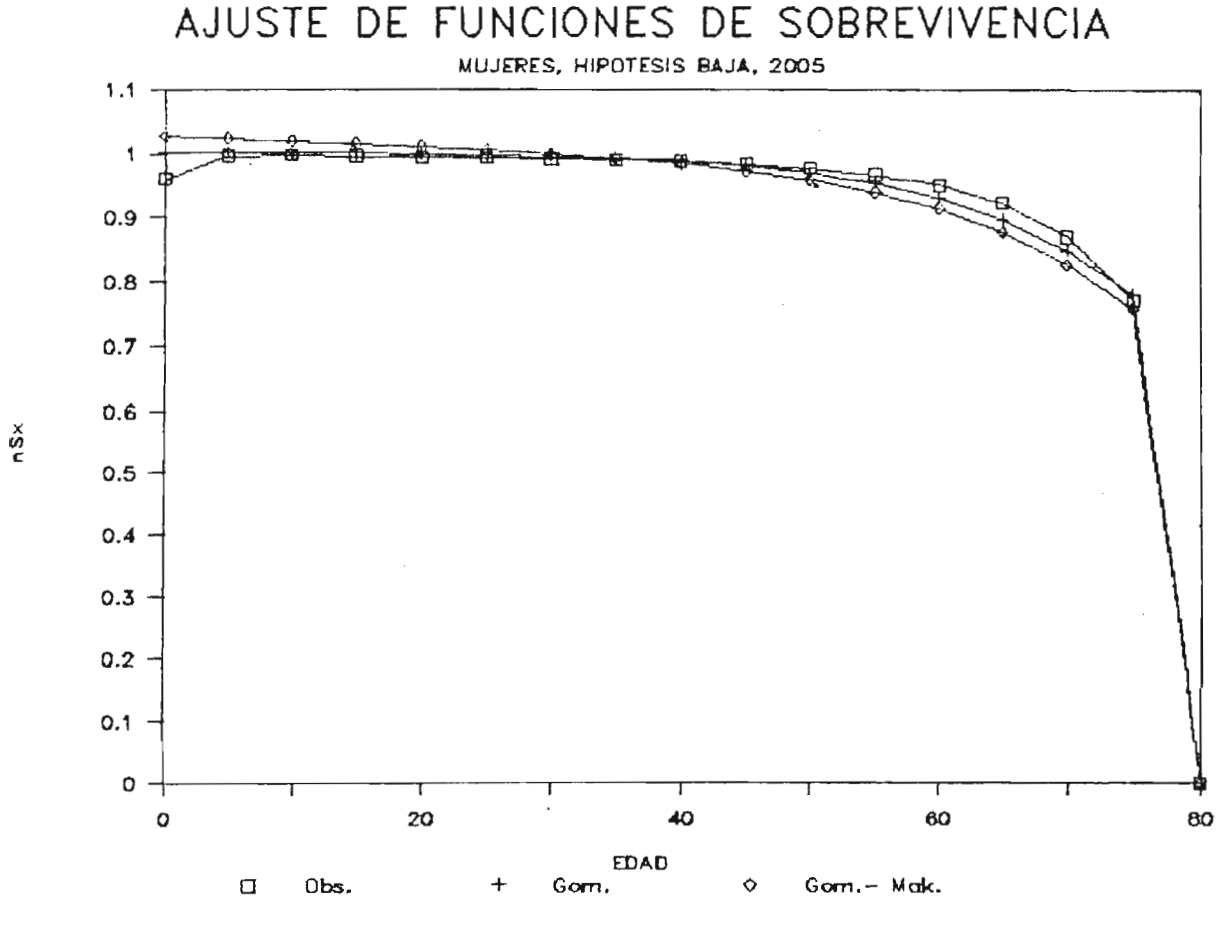
Gráficas 128 y 129



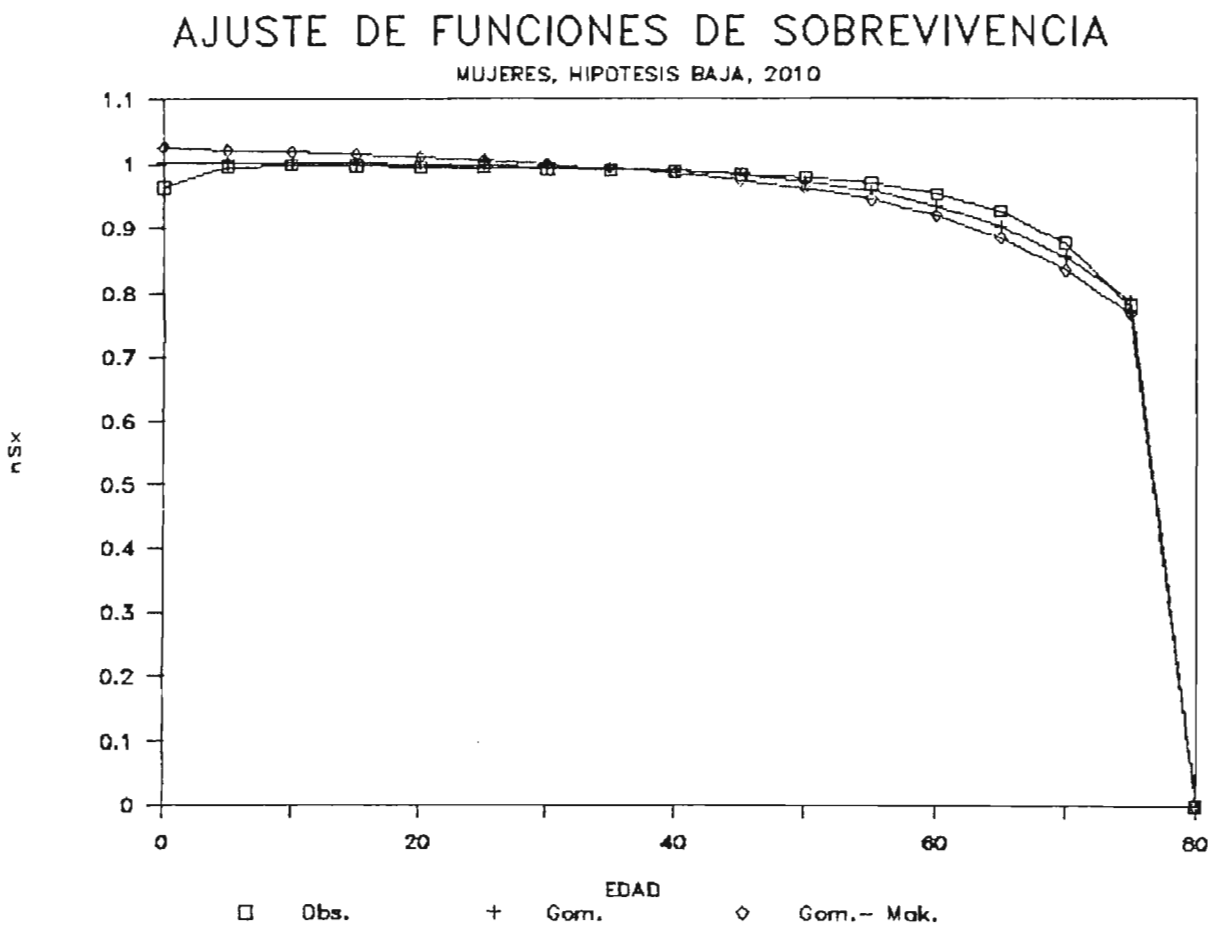


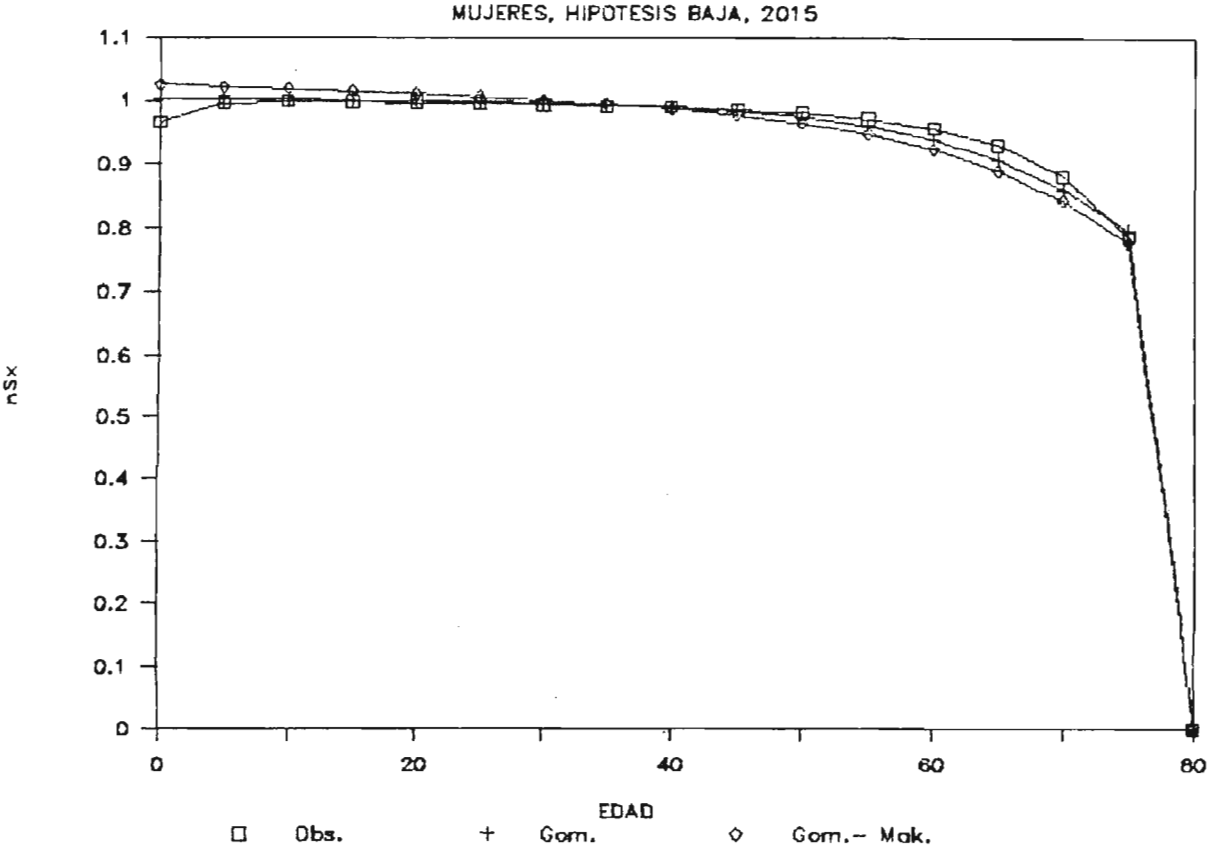
Gráficas 130 y 131



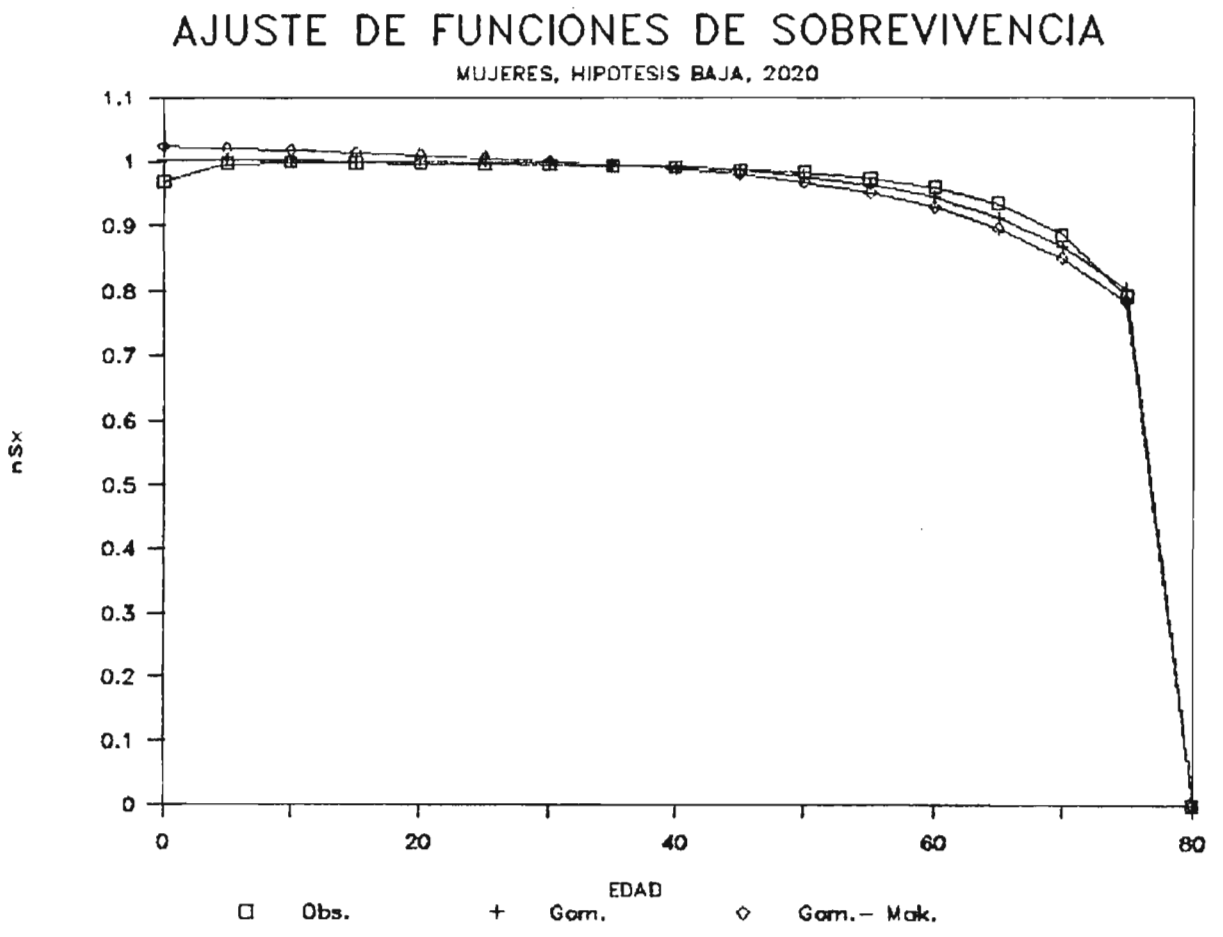


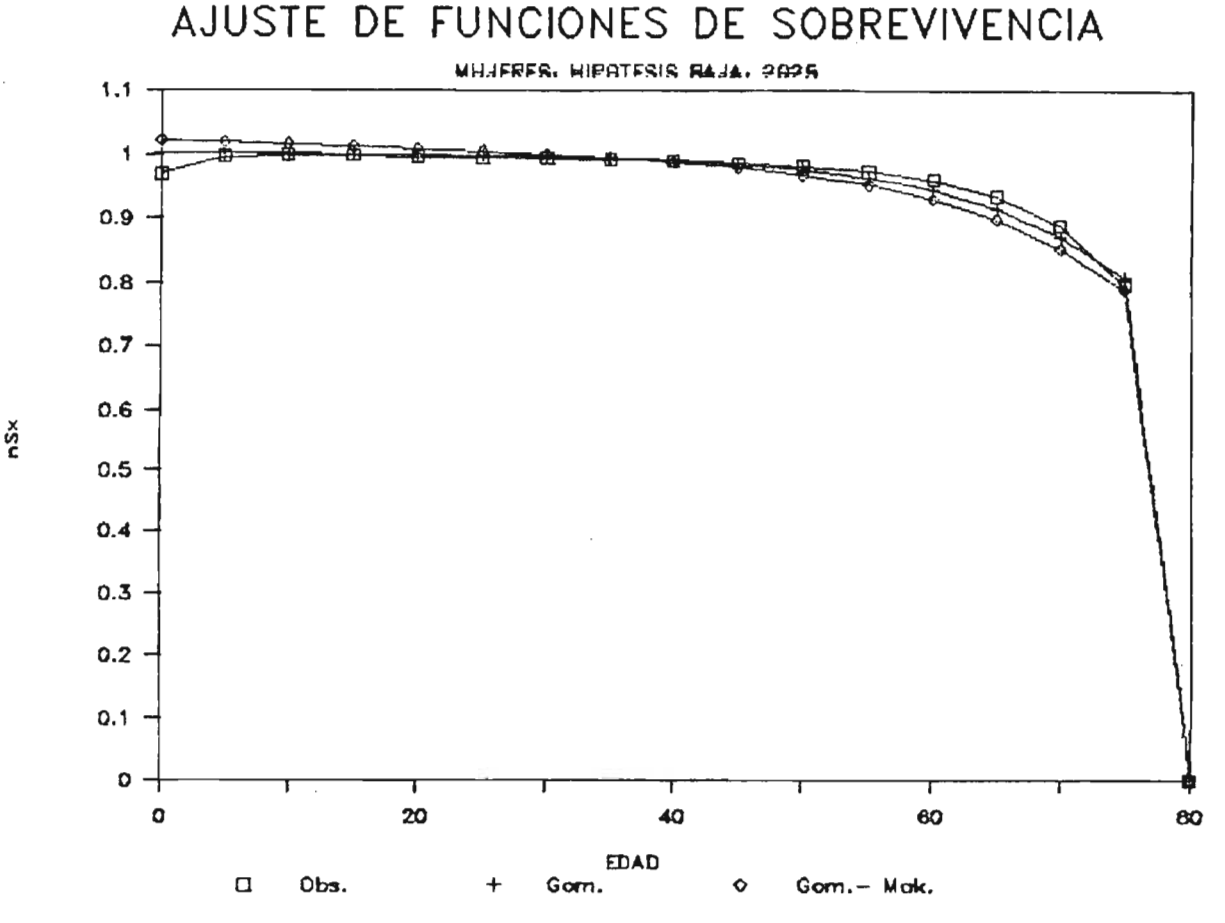
Gráficas 132 y 133



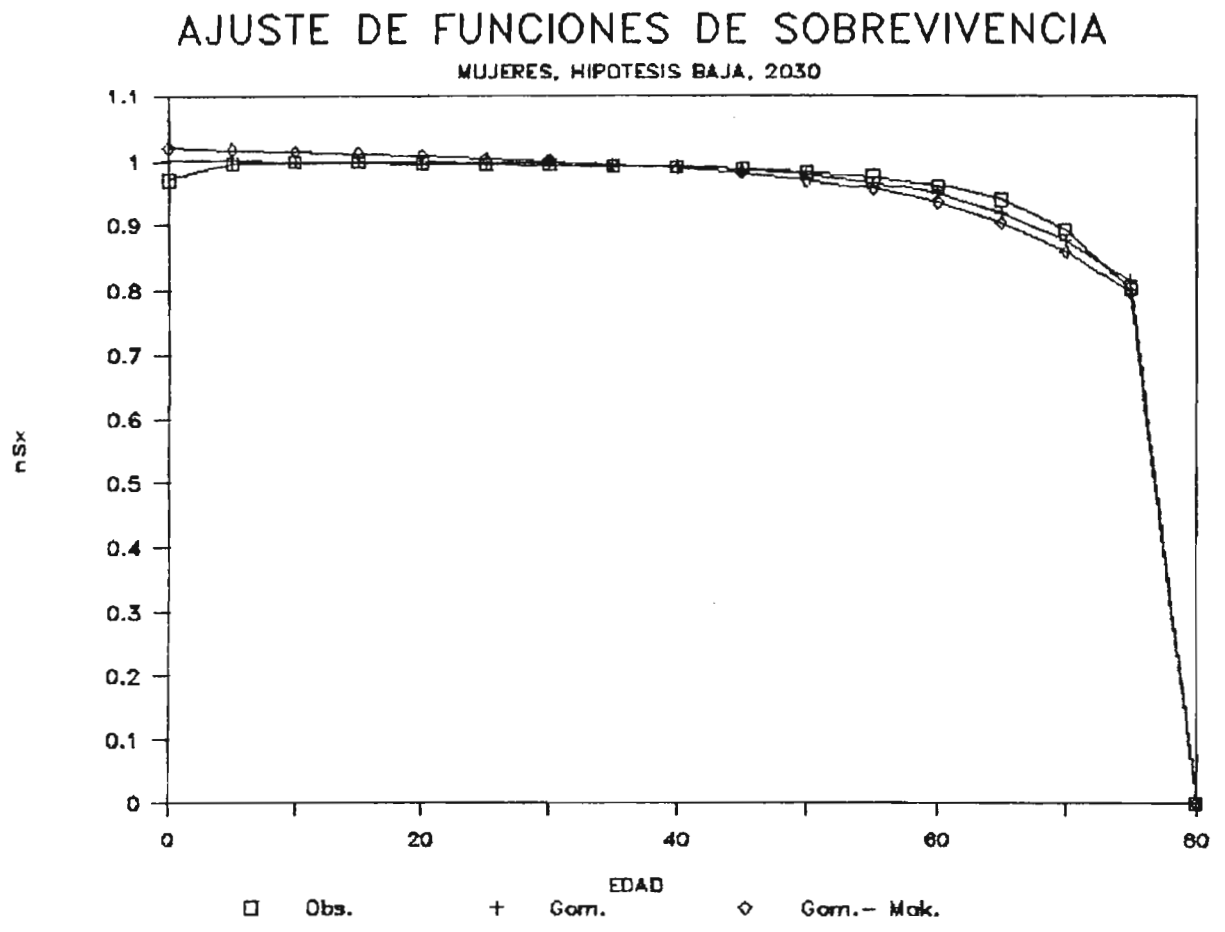


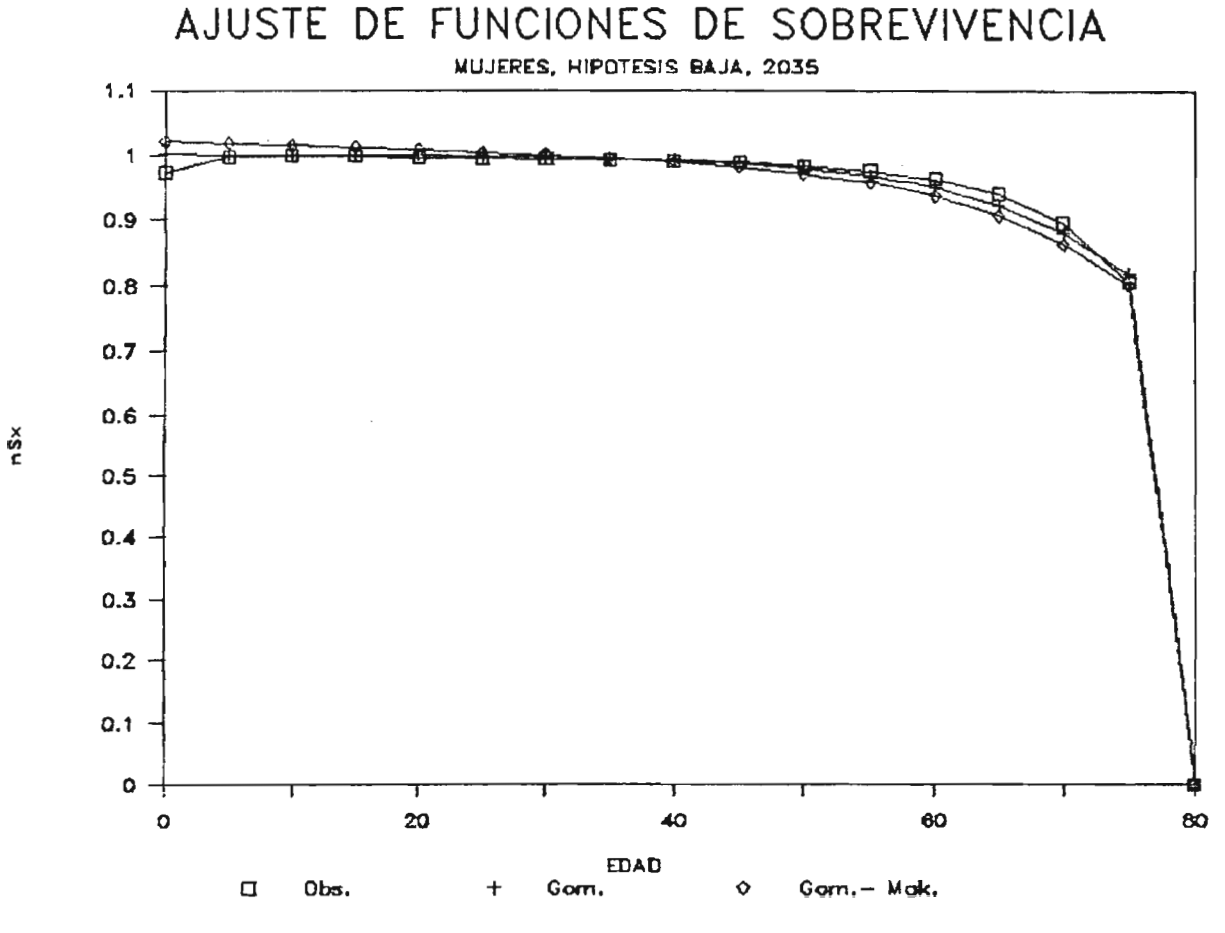
Gráficas 134 y 135



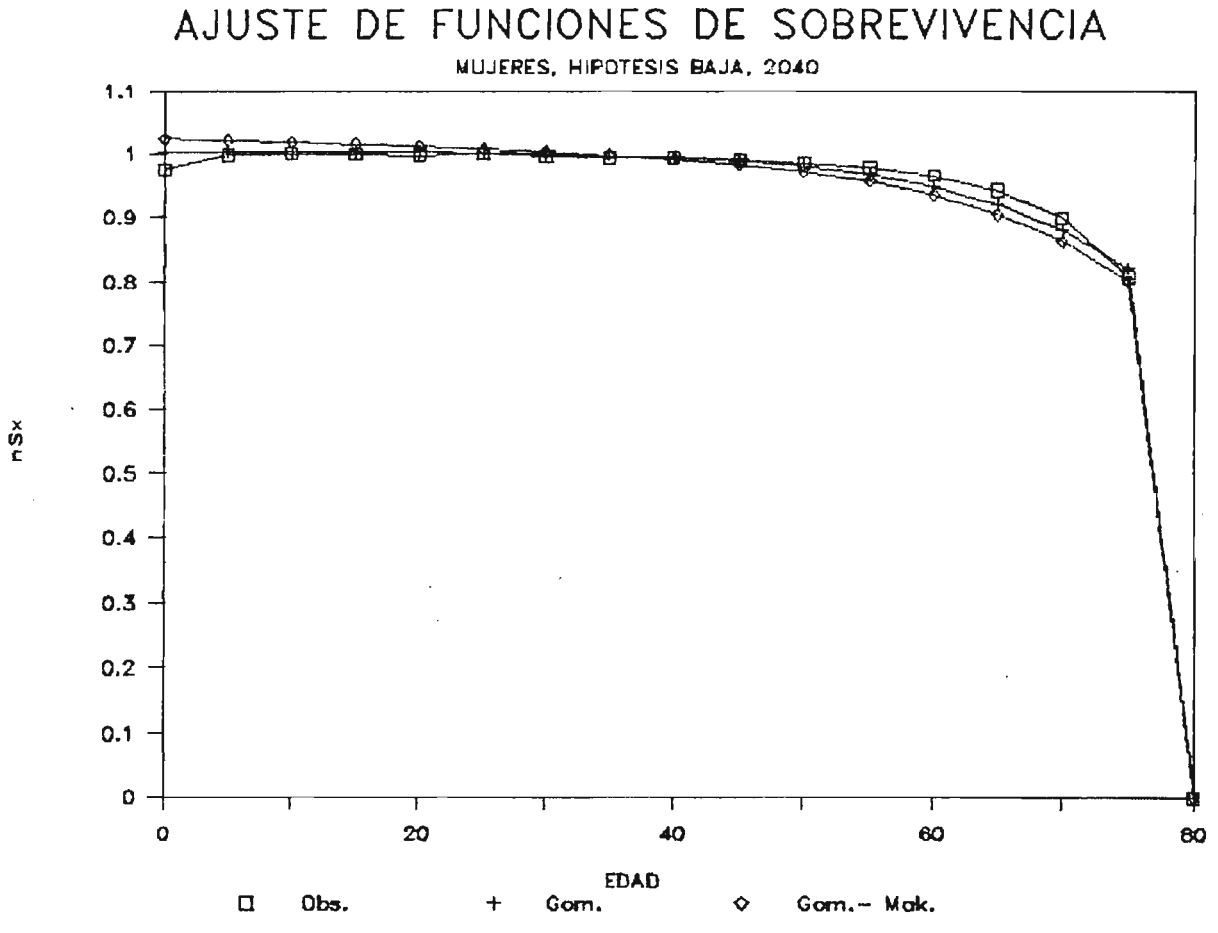


Gráficas 136 y 137





Gráfica 138


AJUSTE DE FUNCIONES DE SOBREVIVENCIA
MUJERES, HIPOTESIS BAJA, 2040
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EDAD
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Gom.- Mak.

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