FERTILITY FUNCTIONS

(Source:Petrioli Luciano,"*PRODEMOG 3.0-Demographic software for Windows*", EMMECI-SIENA-ITALY,(2000).

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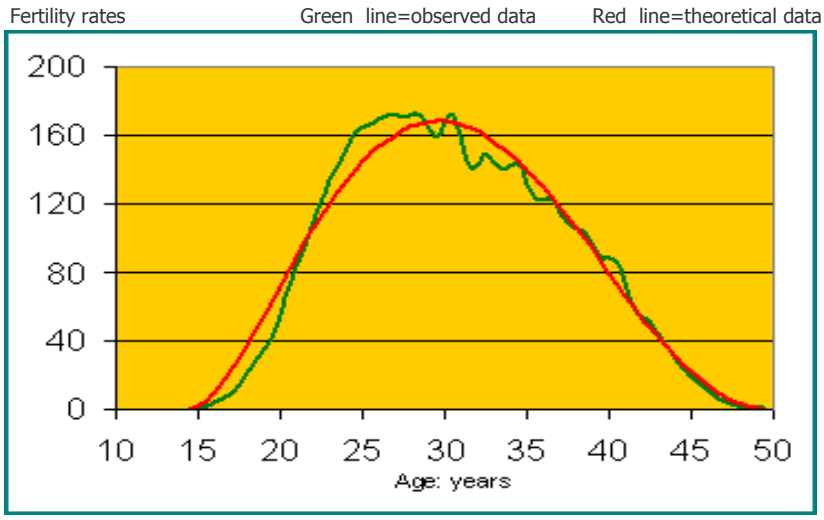

Age-specific fertility rates: Italy, year 1934

For this function, recently proposed by the author, (*) the distribution of density is such that:

$$f(X) = \sqrt{1-(X-U)^2/(V-U)^2}\left[1-e^{-\left((V-X)^B(X-U)^C\right)/A}\right]. \qquad [1]$$

where U and V represent, respectively, the extreme ages of the studied distribution.

This function is equal to zero for X=U and for X=V.

Petrioli, L.(1996), "A new female fertility function", Paper n.2, Deparment of Economics, University of Siena (Italy), december.