$$\Pi(p|x_{1}-x_{n}) = \frac{\Pi(p) \cdot f(x_{1}-x_{n}|p)}{\int_{0}^{\infty} \Pi(p) f(x_{1}-x_{n}|p)dp} = \frac{Beta(\alpha_{0},m_{0})}{Beta(\alpha_{0},m_{0})} \int_{0}^{\infty} \frac{1}{(1-p)^{n-2}x_{1}} \frac{\Pi(p)}{\prod_{x_{1}}^{\infty} \prod_{x_{1}}^{\infty} \prod_{x_{2}}^{\infty} \prod_{x_{2}}^{\infty} \prod_{x_{1}}^{\infty} \prod_{x_{2}}^{\infty} \prod_{$$

Efectivamente la phistribución de la maestra es la familia conjugada na tural de la distribución Beta.

Notese que tanto «ot Exi con Actin-Exi son positivos ya que

Xish Vi=1--n => \(\frac{1}{2} \times i \times n^2 => Actin-\frac{1}{2} \times i >0 \)