Volenzuelo 03-11-7070

3.)
$$g(x; \theta) = (0+1)(1-x)^{\theta} \times (0,1) \quad 0 > 0.$$

Poro el EMVZonsideromos n muestros dodos (Sijos). Superemos
$$X: \in \mathcal{A}$$
 (0,1)
 $L(\theta) = \prod_{i=1}^{n} g(X_i; \theta) = \prod_{i=1}^{n} (\theta + \Lambda) (1-X)^{\theta}$ objecto (pus)
 $l(\theta) = log L(\theta) = \sum_{i=1}^{n} \left[log(\theta + \Lambda) + \theta log(\Lambda - X_i) \right]$ prob de $X = 0$ of $X = 1$ eso.

$$= \sum_{i=1}^{\infty} \frac{1}{\sum_{i=1}^{\infty} \log(1-x_i)} = -\frac{1}{\sum_{i=1}^{\infty} \log(1-x_i)} \leq \log (1-x_i).$$

Coleulemos la vorionzo:

$$E = Von [X_1] = E[X_1] + E[X_1]$$
; $E(X_1] = \int_{X_1}^{1} (0+1)(1-x)dx = \frac{1}{3}$
 $E[X_1] = \int_{X_1}^{1} (0+1)(1-x)dx = \frac{1}{3} (0+1)(1-x)dx = \frac{1}{3}$
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PORTER:TCL:

Vn (X-y) is N(0,02) donde o 200 1 con mestros

dotos. Sea o(x) = en(x). o(x) = 1.1

Vn (ln(x) - ln(y)) =
por el método dello

= Tr (o(x) -o(r)) do o(y). N(0,02) = 1 N(0, 1):

=-3 N(0, 1) = N(0,1).

In(hx-lny) do N(0,1)