$$Y = \beta + \beta \times + \epsilon$$

$$= \epsilon \times N(0, \tau^2)$$

$$(1 \times N(\beta + \beta \times \tau^2)^2)$$

$$\frac{\text{YIX} \text{ NN}(\text{Rot}, X; 5^2)}{\text{TM}}$$

Identificabilibed:

$$\frac{1}{2} \left(X_{1} \cdot \Theta \right) = \sum_{i} f(x_{i} \cdot \Theta_{i}) = f(x_{i} \cdot \Theta_{i})$$

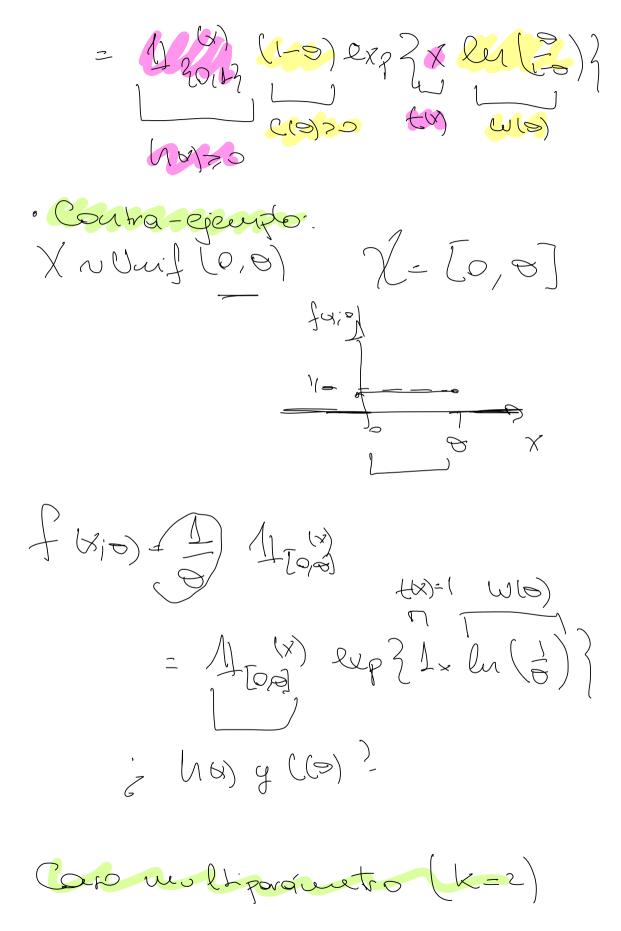
$$\Theta_1 = \Theta_2$$

$$\frac{1}{\sqrt{2}(9)} = E(x) = \int x f(x) dx$$

$$\frac{1}{\sqrt{2}(9)} = Vor(x) = \int (x - Exi)^2 f(x, 0) dx$$

$$V_{3}(8) = \frac{2}{3}m : \int_{-\infty}^{\infty} f(x; 0) dx = \frac{1}{2} \left\{ \frac{1}{3} \left(\frac{1}{3} \right) - \frac{2}{3} \left(\frac{1}{3} \right) \right\} = \int_{0}^{\infty} f(x; 0) dx$$

$$= \frac{1}{2011} (x) cos explan (\frac{2}{10})^{x}$$



$$C(a)$$

$$= N \left(u_i \sigma^2 \right)$$

Tjenplo loc y Escale:

$$X \cap f(x; \alpha, \beta) = \frac{1}{2} 2 \left(x - \alpha \right)$$

$$= \frac{2}{2} (x - \alpha)$$

$$E(z) = \frac{2}{3}$$
 ; $V(t) = \frac{1}{18}$

Muestres Alea Jonis

$$X_{N} \in X_{P}(\Theta) \qquad f_{X_{1},0} = \begin{cases} \frac{1}{9} e^{-X_{1}} & \text{nix,0} \\ 0 & \text{moderous} \end{cases}$$

$$X_{N} = \begin{cases} X_{1}, \dots, X_{N} = \begin{cases} \frac{1}{9} e^{-X_{1}} & \text{nix,0} \\ 0 & \text{moderous} \end{cases}$$

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 $= \overline{\chi_n \gamma_0 N(E(x), V_0(x))}$ Flyo and & C X N Exp (x) X: "Cont. agre flogs ont difur er el euro i" 2 X₁, , --- Xn2 iid Exp (x) = \frac{\frac{1}{2}}{2} \frac{1}{2} P(min 2x1, ..., xn2 , rc) $f_{x_{in}}(x) = \int f(x_i \lambda) \left[1 - F(x_i \lambda)\right]^{n-1}$ $= \int_{X} \frac{1}{h} e^{-\frac{1}{h}} \left(\left| - \left(1 - e^{-\frac{1}{h}} \right) \right|^{h-1} \right)$ $=\frac{1}{N} e^{-\frac{\lambda}{\lambda}-(N-1)\lambda/\lambda}$

$$X_{(n)} \sim \delta_{x_{(n)}} = \sum_{x_{(n)}} e^{-\frac{x}{x}} \times \sqrt{\exp(\lambda_{(n)})}$$

$$E(X_{(n)}) = \lambda_{(n)} \quad \forall x_{(n)} = (\lambda_{(n)})^{2}$$

$$P(X_{(n)} \neq C) = \int_{x_{(n)}} (x_{(n)}) dx$$

$$= \int_{x_{(n)}} e^{-\frac{x}{x}} dx$$

$$P(X_{(n)} \neq C) = \int_{x_{(n)}} e^{-\frac{x}{x}} dx$$

Método Delte

X N Bern (8) =>
$$\overline{X}_n = \overline{S}$$
 been $\overline{S}_n = \overline{S}_n$.

A To $(\overline{Y}_n - \overline{E}(\overline{X})) - \underline{p} N(0, \sigma(1-\theta))$

NSO $\overline{X}_n N_0 N(0; \sigma(1-\theta))$

Con $\overline{N}_{N} = \overline{N}_{N} =$

$$\frac{\sqrt{2}}{1-x_{n}} - \frac{\sqrt{2}}{1-x_{n}} - \frac{\sqrt{2}}{1-x_{n}} = \frac{\sqrt{2}}{1-x_{n}} + \frac{\sqrt{2}}{1-x_{n}} = \frac{2}}{1-x_{n}} = \frac{\sqrt{2}}{1-x_{n}} = \frac{\sqrt{2}}{1-x_{n}} = \frac{\sqrt{2}}{1-x_$$