Kynuroberux Demic

57K183

$$X_1 = 20$$
 (eguneuros)  
 $X_2 = 30$  (gloūrum)  
 $X_3 = 50$  (Thouran)  
 $\frac{1}{2} \frac{1}{3}$   
 $\frac{1}{2} \frac{1}{3}$ 

$$F(x) = \begin{cases} 0; & -\infty < x \le 1 \\ 0, 2; & 1 < x \le 2 \\ 0, 5; & 2 < x \le 3 \\ 1; & 3 < x < +\infty \end{cases}$$

Sagerra 2

$$\frac{1}{5}(x;\theta) = \frac{1}{5} \frac{5x(\theta-x)}{\theta^3} \quad x \in [0; \theta] \\
x \in [0; \theta] \\$$

$$= > \widehat{Q}_{\text{HM}} = \sqrt{\frac{(\overline{X})^2}{0.3}} = \overline{\frac{X}{\sqrt{0.3}}}$$

$$\frac{\partial A}{\partial x^{2}} = \frac{\partial A}{\partial x^{2}} \times \frac{\partial A}{\partial x$$

In L = l = ln(0+1) + ub lnx

$$\frac{dP}{dx} = \frac{y}{x} = 0 = 0$$

$$\frac{7}{6+1} + \frac{9}{x} = (2+1)u = X$$

$$\frac{7}{4} = \frac{1}{x} = 0$$

$$\frac{7}{4} = \frac$$

$$Y = (X_1, \dots, X_n)$$

$$f(r', \theta) = h \frac{u x^3}{o}, \quad X \in [o; \theta]$$

$$0, \quad u \in [a]$$

(a) 
$$\hat{\theta} = \bar{x}$$
 - recurrence -?  

$$F(x) = \int_{0}^{\infty} \frac{4x^{3}}{\theta^{4}} dx = \frac{1}{\theta^{4}} \frac{4x}{5} \Big|_{0}^{\infty} = \frac{1}{\theta^{4}} \cdot \frac{4\theta^{5}}{5}$$

$$= \frac{4}{5}\theta = 2 \text{ Oyence convergence}$$

(b) 
$$\tilde{d} = eX = 5$$
  $e = \frac{5}{4}$ 

3agares.

$$V=(X_1,...,X_N) \sim N(M,5^2>0)$$
  $V=uzheren$   
(a)  $I_u(M) = -E((\frac{\partial l}{\partial M})^2)$ 

Zagena 7.

$$X = (X_1, ..., X_n) \sim (M_X, \sigma_X^2)$$

$$Y = (Y_1, ..., Y_n) \sim (M_Y, \sigma_Y^2)$$

$$X = Q_0$$

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 $X_1 = 1,53$   $X_2 = 2,83$   $X_3 = -1,25$   $X_4 = 1,86$   $X_5 = 1,31$  $Y_1 = -0,8$   $Y_2 = 0,06$   $Y_3 = 0,84$   $Y_4 = 4,07$   $Y_5 = 3,26$ 

$$\frac{\overline{X} - \overline{Y} - (M_{A} - M_{Y})}{\sqrt{\frac{1}{n} + \frac{1}{m}} (\frac{n-1}{n+m-2} \hat{\sigma}_{X}^{2} + \frac{m-1}{n+m-2} \hat{\sigma}_{Y}^{2})} \sim t(u+m-2)$$

$$\frac{1}{\sqrt{\frac{1}{n} + \frac{1}{m}}} (\frac{n-1}{n+m-2} \hat{\sigma}_{X}^{2} + \frac{m-1}{n+m-2} \hat{\sigma}_{Y}^{2}) \sim t(u+m-2)$$

$$\frac{1}{\sqrt{\frac{1}{n} + \frac{1}{m}}} (\frac{n-1}{n+m-2} \hat{\sigma}_{X}^{2} + \frac{m-1}{n+m-2} \hat{\sigma}_{Y}^{2}) \sim -0, 2$$

$$\frac{1}{\sqrt{\frac{1}{n} + \frac{1}{m}}} (\frac{1}{\sqrt{\frac{1}{n} + \frac{1}{n}}} (\frac{1}{\sqrt{\frac{1$$

$$C_{R} = * (80.1,7) \ln 2 - \frac{2}{i=1} \ln(x_{i}!) - 2.80$$

$$C_{4R} = (80.4,7) \ln 4,7 - \frac{8}{i=1} \ln(x_{i}!) - 4,7.80$$

$$LR = -2 (l_{R} - l_{4R}) = -2(136.84737 - 160) - (136.953 - 136) = -2(-65,73 + 63,9.) \approx$$

$$\approx 3,8 - \text{Epurumered Torgs} = -8,706$$

$$= -8,80 - 2 = 2,106$$

$$= -2 = 2,106$$

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3 agarer 9. 3 nevo, no bremenn ne octabanoch