الم وزيع جوست برابراسي ما

$$f(x_1,...,2x_n) = \prod_{i=1}^{n} \frac{1}{\theta^i} \times_{i} e^{-x_i/\theta}, x_1,..., x_n$$

$$(\prod_{i=1}^{n} x_i) e^{-(x_i+\cdots+x_n)/\theta} \times \theta^{-2n}$$

Les photos de sufficient statistics - Les de l'est

$$- \chi_{1} (x_{1}, \dots, x_{n}) = \chi_{1} + \dots + \chi_{n} = \sum_{i=1}^{N} \chi_{i}^{i}$$

$$L(x;\theta) = \prod_{i=1}^{N} f_{x}(\theta) = e^{-\sum_{i=1}^{n} (\theta - x_{i})}$$

$$\ln L(x; \theta) = -\sum_{i=1}^{n} (\theta - x_i) \Rightarrow -\sum_{i=1}^{n} \theta + \sum_{i=1}^{n} x_i = -n\theta + \sum_{i=1}^{n} x_i$$