## ZSti nación

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Halla el estimador máximo verosímil del parámetro p de la distribución Bernoulli.

X ~ Bernoulli (p)

Falm 
$$x \to \int 1 \quad p$$
 $(1-p)$ 

Función la Denomitatol.

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 $(1-p) = \sum_{i=1}^{n} p(x_i) = \prod_{i=1}^{n} p(x_i)$ 
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 $= p^{\sum_{i=1}^{n} x_i} (1-x_i)$ 
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$$l = ln L = ln p^{\leq x_i} + ln (1-p)$$

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- = \( \int \text{xi.ln(p)} + \( (n \int \text{xi)} \). \( \ln \( (1 \text{p}) \).
- Danier con regests a f. Iqualer a cero:
- $0 = \frac{\partial l}{\partial \rho} = \frac{\sum x_i}{\rho} + \left(n \sum x_i\right). (-1)$ 

  - $P(n-\xi_{ki}) = (1-p) \leq x_i \rightarrow p \cdot n p \neq x_i = \xi_{ki} p \neq x_i$
- - $0 = \frac{\sum x_i}{P} \frac{n \sum x_i}{1 P} \xrightarrow{1 P} \frac{n \sum x_i}{1 P} = \frac{\sum x_i}{P}$

$$\rho \cdot n = \underbrace{\times}_{x_i}$$

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