

# IC p/ VARIÂNCIA e DESVIO PADRÃO



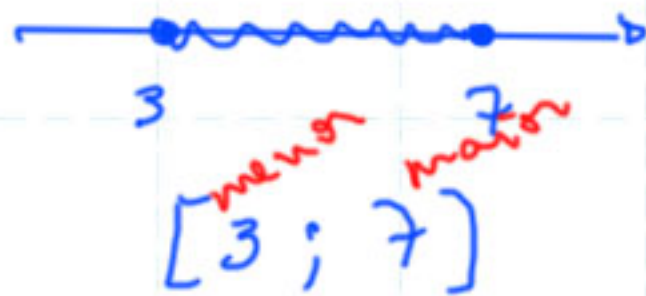
Variância

$$IC = \left[ \frac{(n-1).s^2}{\chi_{sup}^2}, \frac{(n-1).s^2}{\chi_{inf}^2} \right]$$

Desvio Padrão

$$IC = \left[ \sqrt{\frac{(n-1).s^2}{\chi_{sup}^2}}, \sqrt{\frac{(n-1).s^2}{\chi_{inf}^2}} \right]$$

$$IC = \left[ \text{limite inf.}, \text{limite sup.} \right]$$



~~[7; 3]~~ errado

$$g.l. = n - 1$$

$s^2 =$  variância amostral

$\chi^2 \rightarrow$  QUI QUADRADO

↓  
+ tabela

$\chi^2$  superior  $\leftarrow$  maior

$\chi^2$  inferior  $\leftarrow$  menor

$$\chi_{inf}^2 = 2 \quad \chi_{sup}^2 = 4$$

$$(n-1).s^2 = 32$$

$$\chi_{inf}^2 = \frac{32}{2} = 16 \quad \chi_{sup}^2 = \frac{32}{4} = 8$$

$$[8; 16]$$