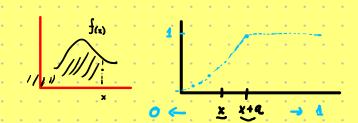
$$F(z) = P(X(z) = \int_{-\infty}^{\infty} f(z) dz$$



- 1) 0 : F(x) : 1
- 2) lim fex) = 0, lim fex) = 1
- 3) Fire & now decreasemente

Proposição F. L. Para topos es valentes de x para ot quais fixi é dérivates, une

## MOVELOG VA'S CONTINUAS

· Hopelo uniforme

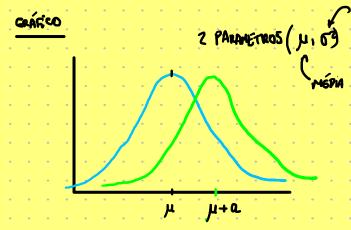
$$\int (x_1 x_1 \beta) = \begin{cases} \frac{4}{\beta - \alpha}, & \text{se } \alpha \leq n \leq \beta \\ 0, & \text{cc} \end{cases}$$

$$E(x) = \frac{\alpha + \beta}{2}, \quad Var(x) = \left(\frac{\beta - \alpha}{12}\right)^{2}$$

 $\int_{-\infty}^{\infty} f(x) = 1$ 

NOTACEO: X ~ U (a1 8)

HODELO NORMAL



VARIANG A

$$X \sim N(\mu, 6^2)$$

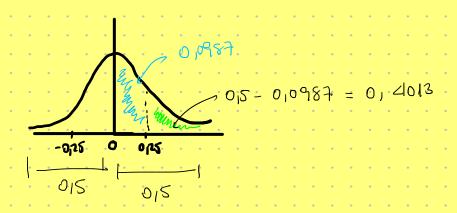
$$E(x) = \mu$$

$$Vor(x) = 6^2$$

Normal Padrão :

$$Z = \frac{\gamma - 2}{2} \sim N(0,1)$$

$$\lambda = 9^{12} : 5 = \frac{5}{5} = \frac{5}{5} = 0^{12}$$



## MODELO EXPONENCIAL

The exponency of the point 
$$f(t; s) = \begin{cases} \frac{1}{p} & \text{of } t > 0 \\ 0 & \text{of } t < 0 \end{cases}$$

$$\int E(x) = \beta \quad (\lambda)$$



$$P(T>500) = \int_{500}^{100} \frac{1}{500} \left[ \frac{1}{500} \right]_{500}^{A} = \frac{1}{500} \int_{500}^{100} \frac{1}{500} \left[ \frac{1}{500} \right]_{500}^{A} = \frac{1}{500} \int_{500}^{100} \frac{1}{500} \left[ -500 \right]_{500}^{A} = \frac{1}{500} \int_{500}^{100} \frac{1}{500} \left[ -$$

