esserdo equamente distribuita

andizziana la Funzione mall' internallo a, b

$$F_{X}(x) = \int_{-1}^{\infty} \int_{-1}^{\infty} \frac{1}{2} o(x = \frac{1}{2}x + \frac{1}{2})$$

$$= \int_{-1}^{\infty} \frac{1}{2} o(x = \frac{1}{2}x + \frac{1}{2})$$

$$2 < -1$$

$$-1 \le 2 < 1$$

$$2 < -1$$

$$2 < -1$$

$$x \in (a,b)$$

$$\begin{cases} \frac{1}{b-a} & x \in (a,b) \\ \frac{1}{2} & x \in (-1,1) \end{cases} \qquad \begin{cases} \frac{1}{2} & x \in (-1,1) \\ 0 & \text{otherwood} \end{cases} = \begin{cases} \frac{1}{2} & x \in (-1,1) \\ 0 & \text{otherwood} \end{cases} \qquad \begin{cases} \frac{1}{2} & x \in (-1,1) \\ 0 & \text{otherwood} \end{cases}$$

$$P(a \le X \le b) = \int_{a}^{b} F_{X}(x) dx$$

$$Ex = \int_{-1}^{1} \frac{1}{2} x dx$$

$$= \frac{1}{2} \frac{2}{2}$$

$$\frac{z}{z} = \frac{1}{2} \cdot \left(\frac{1}{2} - \frac{1}{2}\right)$$

$$E(x^{2}) = \int_{-1}^{1} \frac{1}{2} x^{2} dx$$

$$= \frac{1}{2} \int_{-1}^{1} x^{2} dx$$

$$= \frac{1}{2} \int_{-1}^{3} \frac{1}{3} \left[-1 \right]$$

$$= \frac{1}{2} \cdot \frac{3}{3}$$

$$= \frac{1}{2} \cdot \frac{3}{3}$$

$$= \frac{1}{2} \cdot \frac{3}{3}$$

$$\frac{2}{2} = \frac{X - E'(x)}{\sqrt{Voc(x)}} = \frac{1e}{\sqrt{\frac{1}{3}}} = \frac{2e}{\sqrt{\frac{1}{3}}}$$



donsita

 $\begin{cases}
2\sqrt{3} \\
2\sqrt{3}
\end{cases}$

$$\bigcirc$$

-53 5 2 - 53

$$F_{y}(y) = P(y \leq y)$$

$$= P(mon(x,c) \leq y)$$

$$= P(x \leq y, 0 \leq y)$$

$$= P(x \leq y) P(0 \leq y)$$

$$Fy(y) = \begin{cases} 0 & y = 0 \\ \frac{1}{2}y + \frac{1}{2} & 0 = 0 \end{cases}$$

$$y = 0$$

7 9+ 1

Esercizio Blocco 3

