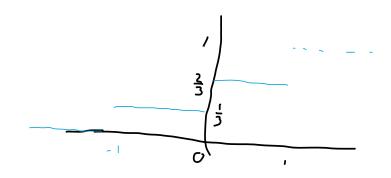
$$P(x = -1) = \frac{1}{3}$$
 $P(x = 0) = \frac{1}{3}$
 $P(x = 1) = \frac{1}{3}$

$$F_{X}(\chi) = \begin{cases} 2 & \chi < -1 \\ \frac{1}{3} & -1 < \chi < 6 \\ \frac{2}{3} & 0 \leq \chi < 1 \end{cases}$$

$$1 = \chi \qquad \chi > 1$$

GRAFICO

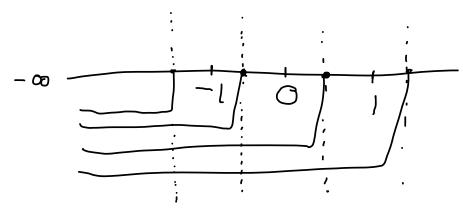


3

Media

$$E(X) = \begin{cases} x_{N} \cdot \rho \times (x_{N}) \\ y_{1} \cdot x_{N} \in S \end{cases}$$

 $x_{1} \cdot \rho(x_{1}) + x_{2} \cdot \rho(x_{2}) \times x_{3} \rho(x_{3})$
 $-1 \quad \frac{1}{3} + 0 \cdot \frac{1}{3} + 1 \cdot \frac{1}{3}$
 $-\frac{1}{3} + \frac{1}{3} = 0$



$$-\frac{1}{3}+\frac{1}{3}=0$$

VARIAN ZA

$$Var(X) = \sum_{i=1}^{K} (x_i - EM)^2 p \cdot i$$
oppure
$$\sum_{i=1}^{K} x_i^2 p_i - E(x_i)^2$$

$$\begin{aligned}
& \forall \theta R (X) = (-1 - 0)^{2} \cdot \frac{1}{3} + (0 - 0)^{2} \cdot \frac{1}{3} + (1 - 0)^{2} \cdot \frac{1}{3} \\
&= 1 \cdot \frac{1}{3} + 0 + 1 \cdot \frac{7}{3} \\
&= \frac{1}{3} + \frac{1}{3} \\
&= \frac{2}{3}
\end{aligned}$$

ex = E STRETTAMENTE MONETONA

$$P(Y=e)=P(e^{1^{2}})=P(x=-1)=P(x=-1)=\frac{1}{3}+\frac{1}{3}=\frac{2}{3}$$

$$P(Y=1)=P(e^{0^{2}})=P(x=0)=\frac{1}{3}$$

GRAFICO