

Note: 
$$P(X=1i) = F(Y_1) - \lim_{X \to X_1^{-1}} F(Y_1)$$

Exemple:  $P(X=10) = 0.144 - 0.721 = 0.723$ 

Exercicio SSC) Lista D (Promos adollos vija o galarito da lide 2)

Distribuição Georática

$$P(A conner) = P$$

$$P(A note conner) = 1-P$$

$$P(X = n) = (1-p)^{n-1} P, \quad n = 1, 2, ...$$

c)  $S_1 t \in \mathbb{Z}^{+}$ 

$$P(X > S+t \mid X > s) = P(X > t)$$

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Distribuição Uniforme (DISCRETO)

- Todos as uclores de X ocorrem el msm probabilidade

$$-\chi_{i},\chi_{2},\ldots,\chi_{n}\qquad P(\chi=\gamma_{i})=\frac{1}{n}$$

$$-E(x) = X_1 \cdot \frac{1}{n} + X_2 \cdot \frac{1}{n} + \cdots + X_n \cdot \frac{1}{n} = \frac{1}{n} (X_1 + Y_2 + \cdots + X_n) = \frac{1}{n} \sum_{i=1}^{n} \chi_i$$

$$- V_{Ar}(x) = E(x^{2}) - E(x) = x_{1}^{2} \cdot \frac{1}{n} + x_{2}^{2} \cdot \frac{1}{n} + \dots + x_{n}^{2} \cdot \frac{1}{n} - (\frac{1}{n} \sum v_{i})^{e}$$

$$= \frac{1}{n} \left( \frac{x}{2} \chi_{i}^{2} \right) - \frac{1}{n^{2}} \left( \frac{x}{2} \chi_{i}^{2} \right)^{2} = \frac{1}{n} \left( \frac{x}{2} \chi_{i}^{2} - \frac{1}{n} \left( \frac{x}{2} \chi_{i}^{2} \right)^{2} \right)$$

## Spoiler --- (Unitorne Continua)

