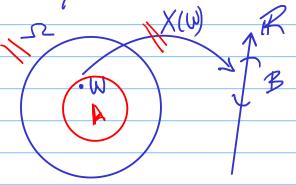
Probabilidades

Curo: Estatistia e Geotecnia CEAC/UFSJ



Vanavel Alentonia

 $0 \quad 1 \quad 1 \quad \Rightarrow X = \sum_{i=1}^{n} X_i \sim \text{Binomial}(n_i P)$

XN Bin (MIP),

 $f_{X}(x) = \begin{pmatrix} x \\ x \end{pmatrix} p^{\chi} \begin{pmatrix} 1-p \end{pmatrix}$

 $N = \{0\}, \quad P = \{5\}, \quad \Rightarrow \left(P(X = 5) = \binom{10}{5}, \binom{15}{5}, \binom{14}{5}\right)^{\frac{5}{5}} = \binom{10}{5}$

Dist. Roman
$$||x||^2 = \frac{3ac}{5km} = \frac{2}{3}$$
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$$P(X > 3) = P(X = 4) + P(X = 5) + \dots$$

$$= 1 - \left[P(X = 0) + P(X = 1) + P(X = 2) + P(X = 3) \right]$$

$$X \times N(\mu, \sigma^{2})$$

$$\int_{X} |2\pi \sigma^{2}| \times e^{-\frac{1}{2}(2\pi \sigma^{2})}$$

$$\int_{X} |2\pi \sigma^{2}| \times e^{-\frac{1}{2}(2\pi \sigma^{2})}$$

$$X = [-\infty, +\infty]; \quad \mu \in \mathbb{R}; \quad \sigma^{2} \in \mathbb{R}^{+}$$

$$X = \int_{X} |2\pi \sigma^{2}| \times e^{-\frac{1}{2}(2\pi \sigma^{2})}$$

$$X = \int_{X} |2\pi \sigma^{2}$$