Esercizio 4

sabato 8 maggio 2021

$$P(A) = \frac{6}{10}$$

20:07

$$P(B) = \frac{5}{10}$$

$$P(A|B) = \frac{4}{10}$$

$$P(A \cap B) = P(B \cap P(A \mid B))$$

$$= \frac{8}{19} \cdot \frac{4}{10} = \frac{1}{5}$$

$$P[A|B] = P(A)$$

Siccon $\frac{4}{10} \neq \frac{6}{10}$

appure

$$P(A) \cdot P(B) = \frac{3}{10} \cdot \frac{3}{10}$$

$$P(A \cap B) = \frac{1}{5}$$

A e B Nou Sono indipendenti

=
$$\frac{4}{10}$$

$$= \frac{4}{10} - \frac{10}{6} = \frac{40}{60} = \frac{2}{3}$$

$$P(A \cup S) = P(A) + P(B) - P(A \cap B)$$

= $\frac{5}{10} + \frac{5}{10} - \frac{5}{10} = \frac{7}{10}$

$$P(\overline{B}|A) = 3 - P(B|A) = Formula$$

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