

TAREFA BÁSICA 17: PROBABILIDADE II

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Exercícios 1, 2, 3 e 4:

D S T Q Q S S
D L M M J V S

① $P = \frac{N(CE)}{N(S)} = \frac{3}{5}$

② $\frac{1}{36} \quad (1,5)(5,1)(2,4)(4,2)(3,3)$
 $(1,2)(2,1)$
 $\frac{7}{36}$

③ $P(A \cup B) = 1$
 $1 = P(A) + P(B) - P(A \cap B)$
 $1 = 0,95 + 0,08 - P(A \cap B)$
 $P(A \cap B) = 1,03 - 1$
 $P(A \cap B) = 0,03 \rightarrow 3\%$

④

$0,0 = 0,0 = 0 \rightarrow 1$
 $1,0 = 0,1 = 0 \rightarrow 1$
 $2,0 = 0,2 = 0 \rightarrow 1$
 $9,0 = 0,9 = 0 \rightarrow 2 \quad 9,2 + 1 = 19$
 $2,5 = 5,2 = 0 \rightarrow 2 \quad 10,10 = 100$
 $4,5 = 5,4 = 0 \rightarrow 2$
 $6,5 = 5,6 = 0 \rightarrow 2$
 $8,5 = 5,8 = 0 \rightarrow 2 \quad 19 + 8 = 27 = 27$
 $\frac{100}{100} = \frac{73}{100} = 73\%$

Exercícios 5, 6, 7, 8 e 9:

$$⑤ C = 7! \quad p = \frac{7! \cdot 4!}{10!} = \frac{1}{30}$$

$$⑥ \text{ (i) } 2^4 = 8 \text{ poss.}$$

$$\text{ (ii) } 6 \text{ poss.} \quad +$$

$$\text{ (iii) } 6 \text{ poss.}$$

$$\frac{20}{6^4} = \frac{5}{16}$$

$$⑦ C(10; 2) = 45 \quad \begin{array}{l} dS \rightarrow dS \text{ com } 2 \\ d 10 \rightarrow 3 \text{ casos } + \\ d 13 \rightarrow 1 \text{ caso } \\ \frac{9-4}{45-4} = \frac{1}{5} \end{array}$$

$$⑧ \text{ roleta 1, roleta 2, 3, 3, 4}$$

$$N(E) \{ (2, 3), (3, 2) \} = 2$$

$$p = \frac{n(E)}{n(S)} = \frac{2}{9}$$

$$⑨ C = C(6, 3) = 10$$

$$p = \frac{12}{20} = \frac{3}{5}$$