

Lista de Exercícios - Probabilidade

1) $n(\text{natural}) = 20$ $n(\text{impar}) = 10$ $c(0,2) = \frac{10-9}{2.1} = \frac{10}{2} = 5$ ^{notas}

$c(20,2) = \frac{20.19}{2.1} = 38 = 190 \rightarrow n(s)$

$p(\text{impar}) = \frac{n(\text{natural})}{n(s)} = \frac{45}{190} = \frac{9}{38}$

(d) alternativa A

(A) - alternativa

2) com a probabilidade de sair número par

$n(A) = 3$
 $n(s) = 6$

$P(A) = n(A) / n(s)$

$P(A) = \frac{3}{6} = \frac{1}{2} = 50\%$

(d) alternativa A

50% alternativa B

3. $P = \text{fumante} \rightarrow 17/100$

$P = \text{mulher e fumante} \rightarrow 44/100$

$P(\text{fumante}) \cdot P(\text{mulher}) = 17/100 \cdot 44/100 \rightarrow 0,0748$

Alternativa B)

data . . .
1 1 0 0 5 5 9

4) ^{1 a 40} n \rightarrow $2, 9, 3, 5, 2, 11, 13, 17, 19, 23, 29, 31, 37$
 $\text{total} = 12n$

$C_{12,2} = \frac{12 \cdot 11}{2 \cdot 1} = \frac{132}{2} = 66 \rightarrow$

$(3, 5), (3, 7), (11, 13), (17, 19), (29, 31)$

$n(S) = 5$

$P(E) = 5/66$ Alternativa (B),
 alternativa (A)

~~$5 \leq n \leq 99$~~

$1 \leq n \leq 99$ $n(E) = 33$

~~$5 \leq n \leq 99$~~

5) $1 \leq n \leq 99$ $n(E) = 33$
 $n(S) = 99$

$P(E) = n(E)/n(S)$
 $P(E) = 33/99$
 $P(E) = \frac{1}{3}$

Alternativa (B),
 alternativa (A)

$(3, 4), (4, 3), (6, 1), (1, 6), (3, 2), (2, 3)$
 $n(S) = 6 \cdot 6 = 36$

$P(E) = 6/36$
 $P(E) = \frac{1}{6}$ alternativa (C),

Lancia