

Vide pasta

Mensageiro  
do M. B. O. P.

P. H. 540

Mensageiro

P.H. 510 e P.H. 530

1944

Cálculos

estatísticos

Global



Mensagens

m. U. O. P

1944

D. A. S. P

P. H. 510 e 530

Global

oc	f	d	fd	fd <sup>2</sup>	fa	
0-4	12	7	84	588	12	M = 37,5 + 1093 x 5
5-9	26	6	156	836	38	595
10-14	84	5	170	850	72	
15-19	22	4	88	358	94	M = 37,5 + 1,837 x 5
20-24	23	3	69	207	117	M = 37,5 + 9,185
25-29	13	2	26	52	130	M = 46,685
30-34	23	1	23	23	153	
35-39	25	-	616		178	M <sub>i</sub> = 595 = 297,5
40-44	82	1	82	82	210	2
45-49	44	2	88	176	254	M <sub>i</sub> = 50 + 43 x 5
50-54	76	3	228	684	330	76
55-59	75	4	300	1200	405	
60-64	97	5	485	2425	502	M <sub>i</sub> = 50 + 245
65-69	75	6	450	2700	577	76
70-75	18	7	126	882	595	
	595		1709	11013		M <sub>i</sub> = 50 + 2,829
			1093			M <sub>i</sub> = 52,829

$$M_0 = (3 \times 52,829) - (2 \times 46,685)$$

$$M_0 = 158,487 - 93,370$$

$$M_0 = \underline{64,725}$$

$$\sigma = \sqrt{\frac{11013}{595}} = 1,8372$$



$$\sigma = \pm 15 \sqrt{18,509243 - 3,374569}$$

$$\sigma = \pm 15 \sqrt{15,134674}$$

$$\sigma = \pm 15 \times 3,890$$

$$\sigma = \pm \underline{19,450}$$

$$C.V. = \frac{19,450 \times 100}{46,685}$$

$$C.V. = \underline{41,662}$$

$$\sigma_M = \pm \frac{19,450}{\sqrt{595}}$$

$$\sigma_M = \pm \frac{19,450}{24,394}$$

$$\sigma_M = \pm \underline{0,797}$$

$$\sigma_{DP} = \pm \frac{19,450}{\sqrt{1190}}$$

$$\sigma_{PP} = \pm \frac{19,450}{34,496}$$

$$\sigma_{DP} = \pm \underline{0,564}$$



$$P_{15,87} = \frac{15,87 \times 595}{100} = 94,4265$$

$$P_{15,87} = 20 + \frac{0,4265 \times 5}{23}$$

$$P_{15,87} = 20 + 2,13250$$

$$P_{15,87} = 20 + 0,927$$

$$P_{15,87} = \underline{20,927}$$

$$P_{84,13} = \frac{84,13 \times 595}{100} = 500,5735$$

$$P_{84,13} = 60 + \frac{95 \times 5}{97}$$

$$P_{84,13} = 60 + \frac{475}{97}$$

$$P_{84,13} = 60 + 4,897$$

$$P_{84,13} = \underline{64,897}$$

$$Q_1 = \frac{595}{4} = 148,75$$

$$Q_1 = 30 + \frac{18,75 \times 5}{23}$$

$$Q_1 = 30 + \frac{93,75}{23}$$

$$Q_1 = 30 + 4,076$$

$$Q_1 = \underline{34,076}$$



$$D_3 = 60 + \frac{41,25 \times 5}{91}$$

$$D_3 = 60 + \frac{206,25}{91}$$

$$D_3 = 60 + 2,266$$

$$D_3 = \underline{62,266}$$

$$D = \frac{62,266 - 34,076}{2}$$

$$D = \frac{28,190}{2}$$

$$D = \underline{14,095}$$

$$S = \frac{46,685 - 64,725}{19,450}$$

$$S = - \frac{18,040}{19,450}$$

$$S = \underline{-0,928}$$