

Semana 6

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18/08/2021

4to admin

Intervalo	$Z_{\alpha/2}$	f	fa
49-55	48.5	2	2
59-69	58.5	3	5
70-76	69.5	9	14
77-83	76.5	9	23
84-90	83.5	2	25

$$\frac{25 \times 70}{100} = 17.5$$

$$P70 = 76.5 + \frac{(17.5 - 14)}{9} \cdot 7$$

$$P70 = 76.5 + \frac{3.5}{9} \cdot 7$$

$$P70 = 76.5 + 10.39 \cdot 7$$

$$P70 = 76.5 + 2.73$$

$$P70 = 79.23$$

$$\frac{25 \times 15}{100} = 3.75$$

$$P15 = 55.5 + \frac{(3.75 - 2)}{3} \cdot 7$$

$$P15 = 55.5 + \frac{1.75}{3} \cdot 7$$

$$P15 = 55.5 + 10.58 \cdot 7$$

$$P15 = 55.5 + 4.1$$

$$P15 = 59.6$$

$$\frac{25 \times 95}{100} = 23.75$$

$$P95 = 83.5 + \frac{(23.75 - 23)}{2} \cdot 7$$

$$P95 = 83.5 + \frac{10.75}{2} \cdot 7$$

$$P95 = 83.5 + 10.38 \cdot 7$$

$$P95 = 83.5 + 2.66$$

$$P95 = 86.16$$