

Tarea #2

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Intervalo	l_i	F	Fa
49 - 55	48.5	2	2
56 - 69	58.5	3	5
70 - 76	69.5	9	14
77 - 83	76.5	9	23
84 - 90	83.5	2	25

Q1

$$l_i + \frac{(n/4 - fa_{i-1})}{f}$$

$$25 \div 4 = 6.25$$

$$69.5 + \frac{(6.25 - 5)}{9}$$

$$69.5 + \frac{(1.25)}{9}$$

$$69.5 + 0.141$$

$$69.5 + 0.98$$

$$Q1 = 70.48$$

$$Q2 =$$

$$\frac{2 \times 25}{4} = 12.5$$

$$Q2 = 69.5 + \frac{12.5 - 5}{9} \cdot 7$$

$$Q2 = 69.5 + \frac{7.5}{9} \cdot 7$$

$$Q2 = 69.5 + \frac{10.83}{9} \cdot 7$$

$$Q2 = 69.5 + 5.81$$

$$Q1 = 75.31$$

$$Q3 \text{ mit } \left(\frac{30}{12} - \frac{1}{4} \right) \cdot \frac{3 \times 25}{4} = 18.75$$

$$Q3 = 76.5 + \frac{18.75 - 14}{9} \cdot 7$$

$$Q3 = 76.5 + \frac{4.75}{9} \cdot 7$$

$$Q3 = 76.5 + 3.71$$

$$Q3 = 80.21$$