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Semana 5



Intervalo	Lp ⁱ	f	Fa
54-58	53.5	4	4
59-63	58.5	6	10
64-68	63.5	12	22
69-73	68.5	13	35
74-78	73.5	3	38
79-83	78.5	4	42
84-88	83.5	1	43

Decil 2

$$\frac{43 \times 2}{10} = 8.6$$

$$D_2 = 58.5 + \frac{(8.6 - 4)}{6} \cdot 5$$

$$D_2 = 58.5 + \frac{(4.6)}{6} \cdot 5$$

$$D_2 = 58.5 + (0.77) \cdot 5$$

$$D_2 = 58.5 + 3.85$$

$$D_2 = 62.35$$

Decil 3

$$\frac{43 \times 3}{10} = 12.9$$

$$D_3 = 63.5 + \frac{(12.9 - 10)}{12} \cdot 5$$

$$D_3 = 63.5 + \frac{(2.9)}{12} \cdot 5$$

$$D_3 = 63.5 + (0.24) \cdot 5$$

$$D_3 = 63.5 + 1.2$$

$$D_3 = 64.7$$

$$\text{Decil 4 } \frac{43 \times 4}{10} = 17.2$$

$$D_4 = 63.5 + \frac{(17.2 - 10)}{12} \cdot 5$$

$$D_4 = 63.5 + \frac{(7.2)}{12} \cdot 5$$

$$D_4 = 63.5 + (0.60) \cdot 5$$

$$D_4 = 63.5 + 3$$

$$D_4 = 66.5$$

$$\text{Decil 7 } \frac{43 \times 7}{10} = 30.1$$

$$D_7 = 68.5 + \frac{(30.1 - 22)}{13} \cdot 5$$

$$D_7 = 68.5 + \frac{(8.1)}{13} \cdot 5$$

$$D_7 = 68.5 + (0.62) \cdot 5$$

$$D_7 = 68.5 + 3.1$$

$$D_7 = 71.6$$

Deal 8

$$43 \times 8 = 344$$

$$D8 = 68.5 + \left(\frac{34.4}{13} - 22 \right) S$$

$$D8 = 68.5 + \left(\frac{12.4}{13} \right) S$$

$$D8 = 68.5 + (0.95) S$$

$$D8 = 68.5 + 4.75$$

$$D8 = 73.25$$