

Semana 3

Puntcos obtenidos Por 43 alumnos
en un examen de Ciencias Naturales

Intervalo	Lr_i	f	f_a
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	7	43

$$Q_1 = Lr_i + \left(\frac{N/4 - f_{aa}}{f} \right) i \quad 43/4 = 10.75$$

$$Q_1 = 63.5 + \left(\frac{10.75 - 10}{12} \right) S \quad Q_1 = 63.5 + \left(\frac{0.75}{12} \right) S$$

$$Q_1 = 63.5 + (0.06) S \quad Q_1 = 63.5 + 0.3 \quad Q_1 = \underline{63.8}$$

$$Q_2 = Lr_i + \left(\frac{2N/4 - f_{aa}}{f} \right) i \quad \frac{2 \times 43}{4} = 21.5$$

$$Q_2 = 63.5 + \left(\frac{21.5 - 10}{12} \right) S \quad Q_2 = 63.5 + \left(\frac{11.5}{12} \right) S$$

$$Q_2 = 63.5 + (0.96) S \quad Q_2 = 63.5 + 4.8 \quad Q_2 = \underline{68.3}$$

$$Q_3 = L + \frac{(3N/4 - f_{aa})}{f} \quad \frac{3 \times 43}{4} = 32.25$$

$$Q_3 = 68.5 + \left(\frac{32.25 - 22}{13} \right) 5 \quad Q_3 = 68.5 + \left(\frac{10.25}{13} \right) 5$$

$$Q_3 = 68.5 + (0.79) 5 \quad Q_3 = 68.5 + 3.95 \quad Q_3 = \underline{72.45}$$