

Semana 22

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Puntajes obtenidos por 25 alumnos en un examen de estudios sociales 1 de primero básico

Intervalo	L _{ri}	f	F _{ac}
49 - 55	52.5	2	2
56 - 61	58.5	3	5
62 - 67	64.5	9	14
68 - 73	70.5	9	23
74 - 79	76.5	2	25

$$D_1 = L_{ri} + \frac{(N_1 - F_{ac})}{f} \quad \frac{25 \times 1}{10} = 2.5$$

$$D_1 = 52.5 + \frac{(2.5 - 2)}{3}$$

$$D_1 = 52.5 + \frac{(0.5)}{3}$$

$$D_1 = 52.5 + (0.17)$$

$$D_1 = 52.5 + 0.17$$

$$D_1 = 52.67$$

$$D_3 = L_{ri} + \frac{(N_3 - F_{ac})}{f} \quad \frac{25 \times 3}{10} = 7.5$$

$$D_3 = 64.5 + \frac{(7.5 - 5)}{9}$$

$$D_3 = 64.5 + \frac{(2.5)}{9}$$

$$D_3 = 64.5 + (0.28)$$

$$D_3 = 64.5 + 0.28$$

$$D_3 = 64.78$$

$$D_5 = L_{ii} + \frac{(N_5 - F_{aa})}{10}$$

$$\frac{25 \times 9}{10} = 22.5$$

$$D_5 = 69.5 + \left(\frac{12.5 - 5}{9} \right)^2$$

$$D_5 = 69.5 + \left(\frac{7.5}{9} \right)^2$$

$$D_5 = 69.5 + (0.83)^2$$

$$D_5 = 69.5 + 0.69$$

$$D_5 = 70.19$$

$$D_6 = L_{ii} + \frac{(N_6 - F_{aa})}{10}$$

$$\frac{25 \times 6}{10} = 15$$

$$D_6 = 76.5 + \left(\frac{15 - 14}{9} \right)^2$$

$$D_6 = 76.5 + \left(\frac{1}{9} \right)^2$$

$$D_6 = 76.5 + (0.11)^2$$

$$D_6 = 76.5 + 0.01$$

$$D_6 = 76.51$$

$$D_9 = L_{ii} + \frac{(N_9 - F_{aa})}{10}$$

$$\frac{25 \times 9}{10} = 22.5$$

$$D_9 = 76.5 + \left(\frac{22.5 - 14}{9} \right)^2$$

$$D_9 = 76.5 + \left(\frac{8.5}{9} \right)^2$$

$$D_9 = 76.5 + (0.94)^2$$

$$D_9 = 76.5 + 0.88$$

$$D_9 = 77.38$$