

Semana 4

Puntajes obtenidos por 25 alumnas en un examen de Estudios Sociales de 100 puntos.

Intervalo	Lim.	f	Fa	
49 - 55	48.5	2	2	
56 - 69	55.5	3	5	D1
70 - 76	69.5	9	14	D3 D5
77 - 83	76.5	9	23	D6 D9
84 - 90	83.5	2	25	

D1:

$$D1 = \frac{25 \times 7}{10} = 2.5$$

$$D1 = 55.5 + \left(\frac{2.5 - 2}{3} \right) 7$$

$$D1 = 55.5 + \left(\frac{0.5}{3} \right) 7$$

$$D1 = 55.5 + (0.17) 7$$

$$D1 = 55.5 + 1.19$$

$$D1 = \underline{56.69}$$

D3:

$$D3 = \frac{25 \times 3}{10} = 7.5$$

$$D3 = 69.5 + \left(\frac{7.5 - 5}{9} \right) 7$$

$$D3 = 69.5 + \left(\frac{2.5}{9} \right) 7$$

$$D3 = 69.5 + (0.28) 7$$

$$D3 = 69.5 + 1.96$$

$$D3 = \underline{71.46}$$

$$D5 = \frac{25 \times 5}{10} = 12.5$$

$$D5 = 69.5 + \frac{(12.5 - 5)}{9} 7$$

$$D5 = 69.5 + \frac{(7.5)}{9} 7$$

$$D5 = 69.5 + (0.83) 7$$

$$D5 = 69.5 + 5.81$$

$$D5 = \underline{75.31}$$

$$D6 = \frac{25 \times 6}{10} = 15$$

$$D6 = 76.5 + \frac{(15 - 14)}{9} 7$$

$$D6 = 76.5 + \frac{(7)}{9} 7$$

$$D6 = 76.5 + (0.11) 7$$

$$D6 = 76.5 + 0.77 =$$

$$D6 = \underline{77.27}$$

$D9$

$$D9 = \frac{25 \times 9}{10} = 22.5$$

$$D9 = 76.5 + \frac{(22.5 - 14)}{9} 7$$

$$D9 = 76.5 + \frac{(8.5)}{9} 7$$

$$D9 = 76.5 + (0.94) 7$$

$$D9 = 76.5 + 6.58$$

$$D9 = \underline{83.08}$$