

Nombre:

Kevin Rabanales Hernández

Grado:

4.to Perito en Administración de Empresas

Curso:

Estadística

Catedrático:

Josué Estrada

Tarea: #4



Puntos obtenidos por 25 alumnos en un examen de Estudios Sociales I de Primera Básico

intervalo	L_i	f	F_0
49 - 55	48.5	2	2
56 - 69	55.5	3	5
70 - 76	69.5	9	14
77 - 83	76.5	9	23
84 - 90	83.5	2	25

D_1

$$D_1 = 55.5 + \left(\frac{2.5 - 2}{3} \right) 7$$

$$D_1 = 55.5 + \left(\frac{0.5}{3} \right) 7$$

$$D_1 = 55.5 + (0.17) 7$$

$$D_1 = 55.5 + 1.19$$

$$D_1 = 56.69$$

D_3

$$D_3 = 69.5 + \left(\frac{7.5 - 5}{9} \right) 7$$

$$D_3 = 69.5 + \left(\frac{2.5}{9} \right) 7$$

$$D_3 = 69.5 + (0.28) 7$$

$$D_3 = 69.5 + 1.96$$

$$D_3 = 71.46$$

D_5

$$D_5 = 69.5 + \left(\frac{12.5 - 5}{9} \right) 7$$

$$D_5 = 69.5 + \left(\frac{7.5}{9} \right) 7$$

$$D_5 = 69.5 + (0.83) 7$$

$$D_5 = 69.5 + 5.81$$

$$D_5 = 75.31$$

D_6

$$D_6 = 76.5 + \left(\frac{15 - 14}{9} \right) 7$$

$$D_6 = 76.5 + \left(\frac{1}{9} \right) 7$$

$$D_6 = 76.5 + (0.11) 7$$

$$D_6 = 76.5 + 0.77$$

$$D_6 = 77.27$$

D_9

$$D_9 = 76.5 + \left(\frac{22.5 - 14}{9} \right) 7$$

$$D_9 = 76.5 + \left(\frac{8.5}{9} \right) 7$$

$$D_9 = 76.5 + (0.94) 7$$

$$D_9 = 76.5 + 6.58$$

$$D_9 = 83.08$$