

Semana 2

Puntos obtenidos por 25 alumnos en un examen de estudios sociales 7 de Primera Básica.

Intervalo	Lr:	f	Fa	
49 - 55	48.5	2	2	
56 - 69	55.5	3	5	
70 - 76	69.5	9	14	Q1 Q2
77 - 83	76.5	9	23	Q3
84 - 90	83.5	2	25	

$$Q1 = Lr_i + \left(\frac{N/4 - f_{aa}}{f} \right) i = 25/4 = 6.25$$

$$Q1 = 69.5 + \left(\frac{6.25 - 5}{9} \right) 7 \quad Q1 = 69.5 + \left(\frac{1.25}{9} \right) 7$$

$$Q1 = 69.5 + 0.147 \quad Q1 = 69.5 + 0.98 \quad Q1 = \underline{70.48}$$

$$Q2 = Lr_i + \left(\frac{2N/4 - f_{aa}}{f} \right) i \quad \frac{2 \times 25}{4} = 12.5$$

$$Q2 = 69.5 + \left(\frac{12.5 - 5}{9} \right) 7 \quad Q2 = 69.5 + \left(\frac{7.5}{9} \right) 7$$

$$Q2 = 69.5 + 0.837 \quad Q2 = 69.5 + 5.81 \quad Q2 = \underline{75.31}$$

$$Q3 = Lr_i + \left(\frac{3N/4 - f_{aa}}{f} \right) i \quad \frac{3 \times 25}{4} = 18.75$$

$$Q3 = 76.5 + \left(\frac{18.75 - 14}{9} \right) 7 \quad Q3 = 76.5 + \left(\frac{4.75}{9} \right) 7$$

$$Q3 = 76.5 + (0.53) 7 \quad Q3 = 76.5 + 3.71$$

$$Q3 = \underline{80.21}$$