

"Puntajes obtenidos por 45 alumnos en un examen de matemáticas financiera"

$L_i -$	LRI	Lrs	Xs	F	Fo	Fxs
34-42	33.5	42.5	38	2	2	76
43-51	42.5	51.5	47	3	5	141
52-60	51.5	60.5	56	8	13	448
61-69	60.5	69.5	65	13	26	845
70-78	69.5	78.5	74	10	36	740
79-87	78.5	87.5	83	3	39	249
88-96	87.5	96.5	92	6	45	552

$$\sum Fxs = 3051$$

Media Aritmética.

$$\bar{x} = \frac{\sum Fxs}{N} \quad \bar{x} = \frac{3051}{45} = 67.80$$

Mediana.

$$Md = Lr_i + \frac{\left(\frac{N}{2} - F_{ao}\right)}{f}$$

$$45/2 = 22.5$$

$$Md = 60.5 + \frac{(22.5 - 13)}{13} \cdot 9$$

$$Md = 60.5 + \frac{(9.5)}{13} \cdot 9$$

$$Md = 60.5 + 6.57$$

$$Md = 67.07$$

Moda:

$$M_0 = l_{vi} + \left(\frac{\Delta_1}{\Delta_1 + \Delta_2} \right) i$$

$$\Delta_1 = 13 - 8 = 5$$

$$\Delta_2 = 13 - 10 = 3$$

$$M_0 = 60.5 + \left(\frac{5}{5+3} \right) 9$$

$$M_0 = 60.5 + \left(\frac{5}{8} \right) 9$$

$$M_0 = 60.5 + (0.63) 9$$

$$M_0 = 60.5 + 5.67$$

$$M_0 = 66.17$$