

Puntos obtenidos por 35 alumnos en un examen de matemática financiera.

L A	Lri	Lrs	Xs	f	fa	fxs
57-62	56.5	62.5	59.5	4	4	238
63-68	62.5	68.5	65.5	4	8	262
69-74	68.5	74.5	71.5	4	12	286
75-80	74.5	80.5	77.5	7	23	852.5
81-86	80.5	86.5	83.5	6	29	561
87-92	86.5	92.5	89.5	5	34	447.5
93-98	92.5	98.5	95.5	7	35	668.5

= 35

= 2,682.5

$$\bar{x} = \frac{2,682.5}{35} = \underline{\underline{76.64}}$$

Mediana

$$Md = \frac{35}{2} = 17.5$$

$$Md = 74.5 + \left(\frac{17.5 - 12}{11} \right) 6$$

$$Md = 74.5 + \left(\frac{5.5}{11} \right) 6$$

$$Md = 74.5 + (0.5) 6$$

$$Md = 74.5 + 3$$

$$Md = \underline{\underline{77.5}}$$

moda

$$\Delta_1 = 11 - 4 = 7$$

$$\Delta_2 = 11 - 6 = 5$$

$$M_0 = 74.5 + \left(\frac{7}{7+5} \right) 6$$

$$M_0 = 74.5 + \left(\frac{7}{12} \right) 6$$

$$M_0 = 74.5 + (0.58) 6$$

$$M_0 = 74.5 + 3.48$$

$$M_0 = \underline{\underline{77.98}}$$