

Puntos obtenidos por 35 alumnos en un examen de Matemática Financiera.

L	A	Lni	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	11	23	852.5
81 - 86		80.5	86.5	83.5	6	29	501
87 - 92		86.5	92.5	89.5	5	34	447.5
93 - 98		92.5	98.5	95.5	1	35	95.5
					= 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

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

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

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

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

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

$$Mo = 74.5 + 3.48$$

$$Mo = \underline{\underline{77.98}}$$