

Puntos obtenidos por 35 alumnos en un examen de matemática financiera

LA	Lr1	Lr3	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		= 2682.5

Mediana

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

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

$$md = 74.5 + \left(\frac{5.50}{11} \right) 6$$

$$md = 74.5 + (0.50) 6$$

$$md = 74.5 + 3$$

$$md = 77.5$$

moda=

$$\Delta 1 = 11 - 4 = 7$$

$$\Delta 2 = 11 - 6 = 5$$

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

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

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

$$mo = 74.5 + 3.5$$

$$mo = 78$$

media=

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

B11 El punto promedio de los 35 alumnos en el curso de matemática financiera es de 76.64