

Manfredo Benjamín López Castillo
6to Perito Contador
Estadística Comercial

Actividad #8.

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

L.A.	limi	Lrs.	Xs	F	Fca	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	4	38	382

$$\bar{y} = \frac{\sum Fx_s}{N} \quad M_0 = L_i + \left(\frac{\frac{N}{2} - F_{ca}}{f} \right) \cdot h \quad M_0 = L_i + \left(\frac{\Delta 1}{\Delta 1 + \Delta 2} \right) \cdot h$$

$$\bar{x} = \frac{2682.5}{35} = 76.64$$

$$35 / 2 = 17.5$$

$$M_0 = 74.5 + \left(\frac{17.5 - 12}{11} \right) 6 = 74.5 + (0.5) 6 = 74.5 + 3 = 77.5$$

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

$$M_0 = 74.5 + \left(\frac{7}{7+5} \right) 6 = 74.5 + (0.56) 6 = 74.5 + 3.48 = 77.98$$

Moda Cruda =

$$74.5 + 3.48 = 77.98$$