

Tarea #5

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Puntajes Obtenidos Por 45 Alumnos En
Un Examen de Matemáticas Financiera.

X	F	Fx	Fxs	(d)x - $\bar{x}$	F(d)	(x - $\bar{x}$) ²	F(x - $\bar{x}$) ²
34-42	3	38	16	29.8	59.6	888.04	1,716.08
43-51	2	47	141	20.8	62.4	432.64	1,297.92
52-60	8	56	448	11.8	94.4	139.24	1,113.92
61-69	13	65	845	2.8	36.4	7.84	101.92
70-78	10	74	140	6.8	62	38.44	384.4
79-87	3	83	249	15.8	43.6	231.04	693.12
88-96	6	92	552	24.8	145.2	585.64	3,513.84
	45		3,051		505.6		8,881.20

$$\bar{x} = \frac{\sum FxS}{N}$$

$$\bar{x} = \frac{3,051}{45} = 67.8$$

$$DM \sum F(d) = D.M. \frac{505.6}{45} = 11.24$$

$$S = \sqrt{\frac{\sum F(xS - \bar{x})^2}{N}} \quad S = \sqrt{8,881.20} = 197.36$$

$$S = 44.05$$