

Tarea # 5

Puntajes
examen

Obtenidas por 45 alumnos en un
de matemáticas financiera.

X	f	fx	fxs	(d)x - $\bar{x}$	(x - $\bar{x}$) ²	f(x - $\bar{x}$) ²
34 - 42	3	38	76	29.8	59.6	888.09
43 - 57	2	47	747	20.8	62.4	432.64
52 - 60	8	56	448	77.8	94.4	739.24
67 - 69	73	65	845	2.8	36.4	7.84
70 - 78	70	74	740	6.8	62	38.44
79 - 87	3	83	249	75.8	45.6	237.00
88 - 96	6	92	552	24.8	745.2	585.6
	45		3057		505.6	

$$\bar{X} = \frac{\sum fxs}{N} \quad \bar{X} = \frac{3057}{45} = 67.8$$

$$D.M.E.P.M = D.M. \frac{505.6}{45} = 11.24$$

$$S = \sqrt{\frac{\sum f(x - \bar{x})^2}{N}}$$

$$S = \sqrt{8887.20} = 797.36$$

$$S = 84.05$$