



Act 5

Agregue las Columnas que hacen falta y calcule la desviación media y Estandar de la siguiente tabla:

Puntos obtenidos por 45 alumnos en un examen de matemática financiera

L.A.	f	Xs	fXs	d	f d	$(xs - \bar{x})^2$	$f(xs - \bar{x})^2$
34 - 42	2	38	76	29.8	59.6	888.04	1,776.08
43 - 51	3	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	740	6.2	62	38.44	384.4
79 - 87	3	83	249	15.2	45.6	231.04	693.12
88 - 96	6	92	552	24.2	145.2	585.64	3,513.84
	45		3,051		505.6		8,881.2

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

$$D.m. = \frac{\sum f|d|}{N} = \frac{505.6}{45} = 11.24$$

$$S = \sqrt{\frac{\sum f(xs - \bar{x})^2}{N}} = \sqrt{\frac{8,881.2}{45}} = \sqrt{197.36} = 14.05$$