

puntajes obtenidos por 45 alumnos en un examen de matemáticas

X	f	Xf	fX	$d = X - \bar{X}$	f(d)	$(X - \bar{X})^2$	$f(X - \bar{X})^2$
34-42	2	38	76	2.9.8	59.6	888.04	1776.08
43-51	3	47	141	20.8	62.4	432.64	1297.92
52-60	8	56	448	11.8	94.4	139.24	1113.92
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	231.64	693.12
88-96	6	92	552	21.2	145.2	585.61	3513.81

$$N = 45 \quad \Sigma fX = 3061 \quad \Sigma f(d) = 605.6 \quad \Sigma f(X - \bar{X})^2 = 8881.20$$

$$\bar{X} = 67.8$$

$$DM = 11.24$$

$$S = 14.05$$

$$\bar{X} = \frac{3061}{45} = 67.8$$

$$DM = \frac{505.6}{45} = 11.24$$

$$S = \sqrt{\frac{8881.20}{45}}$$

$$S = \sqrt{197.36} = 14.05$$

Evans
Lang