

Tarea #05

Puntos obtenidos por 45 alumnos en un examen de matemáticas.

L - A	F	x_s	$f x_s$	$ d_i = x_s - \bar{x} $	$F(d_i)$	$(x_s - \bar{x})^2$	$f(x_s - \bar{x})^2$
34 - 42	2	38	76	29.80	59.60	888.04	1776.08
43 - 51	3	47	141	20.80	62.40	432.64	1297.92
52 - 60	8	56	448	11.80	94.40	139.24	1113.92
61 - 69	13	65	845	2.80	36.40	7.84	101.92
70 - 78	10	74	740	6.20	62	38.44	384.40
79 - 87	3	83	249	15.20	45.60	231.04	693.12
88 - 96	6	92	552	24.20	145.20	585.64	3513.84
	45		3051		505.60		8887.20

$$\bar{x} = \frac{3051}{45} = 67.80$$

$$D.M = \frac{505.60}{45} = 11.24$$

$$s = \sqrt{\frac{8887.20}{45}} = \sqrt{197.36} = 14.05$$