



INSTITUTO PRIVADO
RAFAEL AREVALO MARTINEZ

CURSO
ESTADISTICA

CATEDRATICO
JOSUE ESTRADA

NOMBRE
ZABDY ANDREA APEN GARCIA

GRADO
4TO ADMON

TAREA #6

At. 6

Zabdy Apón
4to. Admón

Puntajes obtenidos por 30 alumnos en una prueba de hábitos de estudio.

X	f	Xs	f x s	d1 = (Xs - $\bar{X}$)	f(d1)	(Xs - $\bar{X}$) ²	f(Xs - $\bar{X}$) ²
45 - 49	1	47	47	28.33	28.33	802.59	802.59
50 - 54	1	52	52	23.33	23.33	544.29	544.29
55 - 59	1	57	57	18.33	18.33	335.99	335.99
60 - 64	3	62	186	13.33	39.99	177.69	533.07
65 - 69	2	67	134	8.33	16.66	69.39	138.78
70 - 74	5	72	360	3.33	16.65	11.09	55.45
75 - 79	6	77	385	1.67	8.35	2.79	13.95
80 - 84	4	82	328	6.67	26.68	44.49	177.96
85 - 89	5	87	435	11.67	58.35	136.19	680.95
90 - 94	3	92	276	16.67	50.01	277.89	833.67
	30		2260		286.68		4116.7

$$\bar{X} = \frac{2260}{30} = 75.33$$

$$S = \sqrt{\frac{4116.7}{30}}$$

$$V = \frac{S}{\bar{X}} \times 100$$

$$D.M = \frac{\sum f|d|}{N}$$

$$S = \sqrt{137.22}$$

$$V = \frac{11.71}{75.33} \times 100 =$$

$$D.M = \frac{286.68}{30} = 9.56$$

$$S = 11.71$$

$$15.54\%$$

La Media es bastante representativa.