

Tarca #6 Estadística.

Punto de 30 Alumnos en Una prueba de Hábitos Estudios.

X	F	XS	FXS	(d)=(XS- $\bar{x}$)	F(d)	(x-x) ²	F(x-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	335.01
60-64	3	62	186	13.33	39.99	177.69	738.18
65-69	2	67	134	8.33	16.66	69.39	55.45
70-74	5	72	360	3.33	16.65	11.09	13.45
75-79	5	77	385	1.67	8.35	2.19	171.96
80-84	4	82	328	6.67	24.68	44.49	680.95
85-89	5	87	435	11.67	58.35	136.19	147.96
90-94	3	92	276	16.67	50.01	277.89	833.67
	30		2260		286.68		4776.70

$$\bar{x} = \frac{\sum FXS}{N} \quad \bar{x} = \frac{2260}{30} = 75.33$$

$$D.M. = \frac{\sum F(d)}{N} = \frac{286.68}{30} = 9.56$$

$$S = \sqrt{\frac{\sum F(x-\bar{x})^2}{N}} \quad S = \sqrt{\frac{4776.70}{30}} \quad S = 127.22$$

$$S = 11.71$$

$$V = \frac{S}{\bar{x}} \times 100 \quad V = \frac{11.71}{75.33} \times 100 = 15.54$$

15.54%

La media es bastante representativa

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