

Tarea N# 6 Naomy

Puntaje de 30 alumnos en una prueba de habilidades estudiantiles

X	f	xs	fxs	$(d) = (xs - \bar{x})$	f(d)	$(x - \bar{x})^2$	f(x) ²
45-49	1	47	47	28.83	28.83	832.59	832.59
50-54	1	52	52	23.33	23.33	544.29	544.29
55-59	1	57	57	18.33	18.33	335.99	335.00
60-64	3	62	186	13.33	39.99	177.69	138.48
65-69	2	67	134	8.33	16.66	69.39	55.45
70-74	3	72	216	3.33	10.00	11.09	13.95
75-79	5	77	385	1.67	8.35	2.79	17.76
80-84	4	82	328	6.67	26.68	44.49	68.95
85-89	5	87	435	11.67	58.35	136.19	171.96
90-94	3	92	276	16.67	50.01	277.89	333.64
	30		2,276		286.68		4776.76

$$\bar{X} = \frac{\sum fxs}{N} = \frac{2,276}{30} = 75.53$$

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

$$S = \sqrt{\frac{\sum f(x - \bar{x})^2}{N}} = \sqrt{\frac{4776.76}{30}} = 737.22$$

$$S = 77.77 \quad V = \frac{S}{\bar{x}} \times 100 = \frac{77.77}{75.53} \times 100 = 102.31$$

102.31%