

Viernes
14/5/21

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ACTIVIDAD #3

1) Calcule la $\bar{X}$, S y V de las siguiente tabla

Edades de 37 alumnos.

Edad	f	$f \cdot x$	$ d = x - \bar{X} $	$f d $	$(x - \bar{X})^2$	$f(x - \bar{X})^2$
15	4	60	1.81	7.24	3.28	13.12
16	10	160	0.81	8.1	0.66	6.6
17	14	238	0.19	2.66	0.04	0.56
18	7	126	1.19	8.33	1.42	9.94
19	2	38	2.19	4.38	4.80	9.6

$$\bar{X} = \frac{622}{37} = 16.81 \quad D.M = \frac{30.71}{37} = 0.83$$

$$S = \sqrt{\frac{39.82}{37}}$$

$$S = \sqrt{1.08}$$

$$S = 1.04$$

$$V = \frac{1.04}{16.81}$$

$$0.06 \cdot 100$$

$V = 6\%$ La media es altamente representativa.

Tarea #3

VIVE

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② Puntajes Obtenidos en Legislación Fiscal.

X	f	XS	fXS	$ d = XS - X $	f d	$(XS - \bar{X})^2$	f $(XS - \bar{X})^2$
61 - 70	5	65.5	327.5	17.5	87.5	306.25	1,531.25
71 - 80	10	75.5	755	7.5	75	56.25	562.5
81 - 90	15	85.5	1,282.5	2.5	37.5	6.25	93.75
91 - 100	10	95.5	955	12.5	125	156.25	1,562.5
			3,320		325		3,750

$$\bar{X} = \frac{3,320}{40} = 83$$

$$D.M = \frac{325}{40} = 8.13$$

$$S = \sqrt{\frac{3,750}{40}} = 93.75$$

$$S = \sqrt{93.75} = 9.68$$

$$V = \frac{S}{\bar{X}} \quad V = \frac{9.68}{83} = 0.12$$

$$V = 0.12 \cdot 100$$

$$V = 12\%$$

La media es bastante representativa.

Tarea #3

VIVO