

ACTIVIDAD 3 ESTADÍSTICA JOSIAS GUZMAN 5TO ADMON

Actividad 3

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1) Calcule de $\bar{X}$, S y V de las siguientes tablas

X	P	fX	$ d = x - \bar{x} $	$f d $	$ x - \bar{x} ^2$	$ x - \bar{x} ^3$
15	4	60	1.81	7.24	3.27	13.08
16	10	160	0.81	8.1	0.66	6.6
17	14	238	0.19	2.66	7.07	98.98
18	7	126	1.19	8.38	69.38	485.4
19	2	38	2.19	4.38	19.18	38.36
	37				62.68	

Media Aritmética

$$\bar{X} = \frac{622}{37} = 16.81$$

Desviación Media

$$DM = \frac{30.71}{37} = 0.83$$

Desviación Estándar

$$S = \sqrt{\frac{642.68}{37}} = \sqrt{17.37} = 4.17$$

$$U_2 = \frac{S}{\bar{X}} \cdot 100$$

$U_2 = 25\%$ Se Media Tiene
Bastante Representatividad.

$$U_2 = \frac{4.17}{16.81} \cdot 100$$

$$U_2 = 0.25 \cdot 100$$

2) Resultados obtidos em digitação fiscal.

$L-A$	X_5	f	$f \cdot X_5$	$1d 1x - \bar{x}_1$	$f 1d$	$1x - \bar{x}_2$	$1x - \bar{x}_3$
61-70	65.5	5	327.5	17.5	87.5	306.25	1531.25
71-80	75.5	10	755	7.5	75	56.25	562.5
81-90	85.5	15	1282.5	2.5	37.5	6.25	93.75
91-100	95.5	10	955	12.5	12.5	156.25	1562.5
		40	3320		325		3750

Média Aritmética

$$\bar{X} = \frac{3320}{40} = 83$$

Desvio Padrão

$$DM = \frac{325}{40} = 8.13$$

coeficiente de variação