

Actividad No. 2 Estadística

Frisly Lopez

Calcular el Rango y la Desviación Media y Estándar de los Siguiendo Datos Sin agrupar.

Año	Mi. Homos de C.	$x - \bar{x}$	$(x - \bar{x})^2$
2011	12.97	1.03	1.061
2012	13.9	0.1	0.010
2013	14.67	0.67	0.449
2014	14.43	0.43	0.185
2015	14.05	0.05	0.003
	$\Sigma = 14.004$	2.28	1.11

Imputación de
peros 70 millones
de Dólares.

$$\frac{\Sigma X}{N} \quad \bar{x} = \frac{10.02}{5} = 14.004$$

$$DM = \frac{\Sigma |x - \bar{x}|}{N} \quad DM = \frac{2.28}{5} = 0.46$$

$$S = \sqrt{\frac{\Sigma (x - \bar{x})^2}{N}} \quad S = \sqrt{\frac{1.11}{5}} \quad S = \sqrt{0.34} \quad S = 0.58$$

$$R = 14 \quad D.M. = 0.46 \quad S = 0.58$$

$$R = 1.7$$

$$R = 12.97 - 14.05 = 1.7$$

País	%	$x - \bar{x}$	$(x - \bar{x})^2$
Guatemala	2.5	0.82	0.67
Salvador	2.5	0.82	0.67
Honduras	3.1	0.22	0.05
Nicaragua	3	0.32	0.10
Costa Rica	3.4	0.08	0.01
Panamá	5.4	2.08	4.32
	$\Sigma = 3.32$	4.34	5.82

Proyección de Crecimiento
Económico de un año en
(Porcentaje)

$$\frac{\Sigma X}{N} \quad \bar{x} = \frac{19.9}{6} = 3.32$$

$$DM = \frac{\Sigma |x - \bar{x}|}{N} \quad DM = \frac{4.34}{6} = 0.72$$

$$S = \sqrt{\frac{\Sigma (x - \bar{x})^2}{N}} \quad S = \sqrt{\frac{5.82}{6}} \quad S = \sqrt{0.97} \quad S = 0.98$$

$$R = 2.5 - 5.4 = 2.9 \quad \bar{x} = 3.32 \quad D.M. = 0.72 \quad S = 0.98 \quad R = 2.9$$

lopez foisly

Volumen de importación de pollo en libras de H.E.U.N. a Guatemala en los siguientes

Año	Libras	$ x - \bar{x} $	$(x - \bar{x})^2$
2011	162,812	64,704.83	4,199,129,229.3
2012	186,978	34,938.83	1,595,110,417.8
2013	195,335	31,537.83	997,417,986.15
2014	242,487	15,570.17	242,430,194.83
2015	277,390	50,473.17	2,547,550,889.8
2016	296,499	69,582.17	4,841,818,382.9
	226916.83	277,257	14,333,600,822.18

$$\frac{\sum x}{n} = \frac{226916.83}{6} = 37819.47$$

$$DM = \frac{\sum |x - \bar{x}|}{n} = \frac{277,257}{6} = 46209.5$$

$$S = \sqrt{\frac{\sum (x - \bar{x})^2}{n}} = \sqrt{\frac{14,333,600,822.18}{6}} = \sqrt{2,388,933,470.46}$$

$$S = 48,877.71$$

$$R = 162,812 - 296,499 = -133,687$$

$$\bar{x} = 37819.47$$

$$DM = 46209.5$$

$$S = 48,877.71$$

$$R = -133,687$$