

Establecimiento:

Instituto Privado Rafael
Arevalo Martinez

Nombre:

Hanny Daniels Maza riegas de
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Docente:

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Grado:

6to Administración

Area:

Estadística II

Ciclo

Escolar:

2,021

Hanny Marañegos 5to Admón Tarca # 8

X	LRI	LS	XS	f	fa	fxs	dx-xi	fd	$\sum x-xi^2$
40-51	39.5	51.5	45.5	1	1	45.5	28.18	28.18	794.11
52-63	51.5	63.5	57.5	4	5	230	16.18	64.72	261.79
64-75	63.5	75.5	69.5	22	27	1529	4.18	91.94	17.47
76-87	75.5	87.5	81.5	11	38	896.5	-7.82	-86.18	61.15
88-99	87.5	99.5	93.5	5	43	467.5	-19.82	-99.1	392.83
				43		3168.5	20.9	-0.24	

$\sum x-xi^2$	$\sum x-xi^3$	$\sum x-xi^4$	$\sum x-xi^5$	$\sum x-xi^6$
794.11	22,378.08	22,378.08	630,614.50	17,770,716.71
1,047.14	4,233.81	16,943.24	342,676.35	4,435,602.04
384.34	73.08	1,606.64	6,710.14	56,056.64
672.63	-478.21	-5,260.31	41,135.82	-321,681.69
1,964.15	-778.593	-38,929.66	771,586.45	-3,058,888.77
4,862.41	-3,261.98	1,742,729.28		

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$$MS^2 = \frac{6,647,844.87}{43} = 154,601.14$$

$$S_k = 3 \left(\frac{73.68 - 66}{10.63} \right)$$

$$3 \left(\frac{7.68}{10.63} \right)$$

$$3(0.72)$$

R// 2.16 Distribución
Asimétrica sesgada
a la derecha

Desviación Media

$$Dm = \frac{-0.26}{43} = -0.006$$

Desviación Estándar

$$S \sqrt{\frac{4,862.41}{43}}$$

$$S \sqrt{113.08} = 10.63$$

$$V = \frac{S}{x} \cdot 100$$

R// 14% la media es
bastante Representativa

$$V = \frac{10.63}{73.68} \cdot 100 \quad V = 0.14 \cdot 100$$

Momentos

$$M_2 = \frac{4,862.41}{43} = 113.08$$

$$M_3 = \frac{-3,261.98}{43} = -75.86$$

$$M_4 = \frac{1,792,729.28}{43} = 41,691.38$$

Media Aritmética

$$\frac{3168.5}{43} = 73.68$$

Mediana

$$\frac{43}{2} = 21.5$$

$$L_{n/2} = 63.5$$

$$N/2 = 21.5$$

$$F_{cu} = 21.5$$

$$F = 22$$

$$I = 12$$

$$63.5 + \left(\frac{21.5 - 27}{22} \right) 10$$

$$63.5 + \left(\frac{-5.5}{22} \right) 10$$

$$63.5 + (-0.25) 10$$

$$63.5 - 2.5$$

$$R // 66$$

Coefficientes

$$B_1 = \frac{-75.86^2}{113.083} = \frac{5754.74}{113.083} = 0.004$$

$$B_2 = \frac{41,691.38}{113.082} = \frac{41,691.38}{12,787.08} = 3.26$$

R // 3.26 la curva es mesocúrtica

Hanny Marañegos
Sto Admón