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Molina

Nombre del trabajo: Ejercicio

Materia: Estadística

Grado: Primer cuatrimestre

Grupo: "A"

Comitán de Domínguez Chiapas a 29 de Enero de 2020.

Dato mayor - Dato menor

$5600 - 1500$

Rango

$5600 - 1500 = 4100$

Intervalos

$\sqrt{48} = 6.9 = 7$

Amplified

$4100 / 7 = 585.71$

3257.134
4757.15
71,000.3
45457.4

Clases	X_i	F_a	F_o
[1500 - 2,085.71]	1792.855	18	18
[2,085.72 - 2,671.43]	2378.575	2	20
[2,671.44 - 3,257.15]	2964.295	0	20
[3,257.16 - 3,842.87]	3550.015	20	40
[3,842.88 - 4,428.59]	4135.735	0	40
[4,428.60 - 5,014.31]	4721.455	0	40
[5,014.32 - 5600.03]	5307.175	8	48

Fr	Frecuencia porcentual	Angulos
0.375	37.5	135°
0.041	4.1	14.76°
0	0	0
0.416	41.6	149.76°
0	0	0
0	0	0
0.166	16.6	59.76°

Media:

$$\bar{X} = \frac{\sum (X_i \times F_a)}{n}$$

$$= \frac{136,293.474}{68} = 199.737$$

Norma

Modo: $M_0 = 3257.16 \left(\frac{20-0}{(20-0) + (20-0)} \right) \cdot 7$

$M_0 = 3257.16 \left(\frac{20}{20+20} \right) \cdot 7$ $M_0 = 3257.16 \left(\frac{20}{40} \right) \cdot 7$

$\times 3257.16$ $M_0 = 3257.16 (0.5) \cdot 7$ $M_0 =$
 $3257.16 + 3.5$ $M_0 = 3260.66$

Mediana:

$M_e = L_i + \left(\frac{N}{2} - F_{i-1} \right) \times \text{Amplitud}$

$M_e = 3257.16 + \left(\frac{24-20}{20} \right) \times 585.71$

$M_e = 3257.16 + \left(\frac{4}{20} \right) \times 585.71$

$M_e = 3257.16 + (0.5) \times 585.71$

$M_e = 3257.16 + 0.5$ $M_e = 242.855$

$1500 - 2085.71$

$2085.72 - 2671.43$

$2671.44 - 3257.15$

$3257.16 - 3842.87$

$3842.88 - 4428.59$

$4428.60 - 5014.31$

$5014.32 - 5600.03$

