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Nombre del profesor: Jorge Sebastian Domínguez Torres

Nombre del trabajo: Actividad tabla de frecuencia

Materia: E s t a d í s t i c a

Grado: 2 Grupo: A

Comitán de Domínguez Chiapas a 13 de febrero de 2023

Fabiola Anahí López Cancino

Mediana:

$$me = l_i + \frac{\frac{n}{2} - f_i^{-1}}{f_i} \cdot a$$

$$me = 23 + \frac{\frac{40}{2} - 4}{6} \cdot 4$$

$$me = 23 + \frac{20 - 4}{6} \cdot 4$$

$$me = 23 + \frac{16}{6} \cdot 4$$

$$me = 23 + 2.66 \times 4$$

$$me = 23 + 10.64$$

$$me = 33.64 = \underline{34} \text{ mediana.}$$

Moda:

$$l_i + \frac{f_i - f_i^{-1}}{(f_i - f_i^{-1}) + (f_i - f_i^{+1})} \cdot a$$

$$19 + \frac{4 - 10}{(4 - 10) + (4 - 6)} \cdot 4$$

$$19 + \frac{-6}{(-6) + (-2)} \cdot 4$$

$$19 + \frac{-6}{-8}$$

$$19 (0.75)(4)$$

$$19 + 3 = \underline{22} \text{ moda.}$$

Fabiola Anahi López Cancino.

17,34,16,34,27,32,36,28,29,15,36,18,15,38,18,37,19,36,33,24,25,17,
27,30,20,17,40,34,20,27,28,36,17,30,39,22,18,24,25,25.

$1° \ R = Xmax - Xmin$

$\quad = 40 - 15 = 25$ JJ

$2° \ K = 1 + 3.322 \log n$

$\quad R = 1 + 3.322 \log 40$

$\quad R = 6.322 = 6$ JJ intervalo

$3° \ A = \dfrac{R}{R} = \dfrac{25}{6.322} = 3.954 \rightarrow 4$ amplitud

	$\overline{x}$	f_i	fr	f_i	%	$x_i \cdot f_i$
15-19	17	10	0.25	10	25 %	170
19-23	21	4	0.1	14	10%	84
23-27	25	6	0.15	20	15%	150
27-31	29	7	0.175	27	18%	203
31-35	33	5	0.125	32	12%	165
35-39	37	6	0.15	38	15%	222
39-43	41	2	0.05	40	5%	82
		40	1		100%	

Media:

$\overline{x} = \dfrac{\sum x_i \cdot f_i}{N} = 17 \times 10 =$

$\overline{x} = \dfrac{1076}{40} = 26.9$ JJ