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**Nombre del trabajo:**

Frecuencia simple

**Materia:**

Estadística

PASIÓN POR EDUCAR

**Grado:**

1ro  
**Grupo:**  
A

Comitán de Domínguez Chiapas a 12 de septiembre de 2018.

Takeno	$F_i$	$F_i \%$	$F_i q$	$F_i a_i \%$	$\bar{x}_i$	$F_i x_i$	$F_i x_i^2$
38-46	8	12.5%	8	12.5%	42	336	14112
47-55	8	12.5%	16	25%	51	408	20808
56-64	5	7.8%	21	32.81%	60	300	18000
65-73	9	14.06%	30	46.87%	69	621	42849
74-82	7	10.93%	37	57.81%	78	516	40849
83-91	11	17.18%	48	75%	82	957	42568
92-100	16	25%	64	100%	96	1536	83259
	$\Sigma = 64$					$\Sigma = 4704$	$\Sigma = 369072$

$$X = \frac{\Sigma F_i x_i}{n}$$

$$MC = Li + \frac{D}{2} - Fi0 - 1.0 a_i$$

$$X = \frac{4704}{64}$$

$$MC = 74 + \frac{32 - 30}{7} \cdot 8$$

$$X = 73.5 //$$

$$MC = 76.28 //$$

$$MO = Li + F_i - F_{i-1} \cdot a_i$$

$$S^2 = \frac{\Sigma F_i x_i^2 - (F_i x_i)^2}{n-1}$$

$$MO = \frac{92 + 16 - 11 \cdot 8}{8}$$

$$S^2 = \frac{369072 - (4704)^2}{64}$$

$$MO = 93.90 //$$

$$S^2 = 370.28 //$$

$$S = 19.24 //$$

Rafaeli D'sailli Hernandez Garcia

	$F_i$	$F_i \%$	$F_{i-1}$	$F_{i-1} \%$	$\bar{x}_i$	$Fix_i$	$\bar{x}_i^2$	$Fix_i^2$
41 - 50	13	30.95%	13	30.95%	45.5	591.5	2070.25	26913.25
51 - 60	2	16.66%	20	47.61%	55.5	388.5	3080.25	21561.75
61 - 70	6	14.28%	26	61.90%	65.5	393	4290.25	25741.5
71 - 80	11	26.19%	37	88.09%	75.5	830.5	5700.25	62702.75
81 - 90	5	11.90%	42	100%	85.5	427.5	7310.25	36551.25
	$\Sigma = 42$					$\Sigma = 2631$		$\Sigma = 173400.5$

$$X = \frac{\sum F_i \cdot x_i}{N}$$

$$mc = \frac{L_1 + \frac{Q}{2} - F_{i-1} - 1 \cdot a_i}{F_i}$$

$$mo = \frac{L_1 + F_i - N - 1 \cdot a_i}{(F_i - F_{i-1}) + (F_i - F_{i+1})}$$

$$S^2 = \frac{\sum F_i x_i^2}{N} - \left(\frac{\sum F_i x_i}{N}\right)^2$$

$$X = \frac{2631}{42}$$

$$mc = \frac{61 + 21 - 20}{6} = 9$$

$$mo = \frac{41 + 13 - 0}{(13 - 0) + (13 + 2)}$$

$$S^2 = \frac{173470.5 - (2631)^2}{42}$$

$$X = 62.64$$

$$mc = 62.54$$

$$mo = 44.5$$

$$S = 14.98$$

Yuliani Dirsaili Kurniawan Ganesha