



CASANDRA GUADALUPE ORTIZ AGUILAR

JORGE ENRIQUE ALBORES AGUILAR

EJERCICIOS

BIOESTADISTICA

PASIÓN POR EDUCAR

Grado: 4°

Grupo: A

Comitán de Domínguez Chiapas a 18 de Octubre de 2020.

Recolección de datos de casos de violencia			
Periodo	Registros	PORCENTAJES	GRADOS
Enero	300	14.56%	52.42°
Febrero	150	7.28%	26.21°
Marzo	400	19.41%	69.90°
Abril	250	9.95%	43.68°
Mayo	300	14.56%	52.42°
Junio	200	9.70%	34.95°
Julio	180	8.73%	31.45°
Agosto	280	13.59%	48.93°
TOTAL	2,060	100%	360°

PORCENTAJES

ENERO

$$\begin{aligned}
 &2,060 - 100\% \\
 &300 - x \\
 &x = \frac{(300)(100)}{2,060} \\
 &x = \frac{30,000}{2,060} \\
 &x = 14.56\%
 \end{aligned}$$

FEBRERO

$$\begin{aligned}
 &2,060 - 100\% \\
 &150 - x \\
 &x = \frac{(150)(100)}{2,060} \\
 &x = \frac{15,000}{2,060} \\
 &x = 7.28\%
 \end{aligned}$$

MARZO

$$\begin{aligned}
 &2,060 - 100\% \\
 &400 - x \\
 &x = \frac{(400)(100)}{2,060} \\
 &x = \frac{40,000}{2,060} \\
 &x = 19.41\%
 \end{aligned}$$

ABRIL

$$\begin{aligned}
 &2,060 - 100\% \\
 &250 - x \\
 &x = \frac{(250)(100)}{2,060} \\
 &x = \frac{20,500}{2,060} \\
 &x = 9.95\%
 \end{aligned}$$

MAYO

$$\begin{aligned}
 &2,060 - 100\% \\
 &300 - x \\
 &x = \frac{(300)(100)}{2,060} \\
 &x = \frac{30,000}{2,060} \\
 &x = 14.56\%
 \end{aligned}$$

JUNIO

$$\begin{aligned}
 &2,060 - 100\% \\
 &200 - x \\
 &x = \frac{(200)(100)}{2,060} \\
 &x = \frac{20,000}{2,060} \\
 &x = 9.70\%
 \end{aligned}$$

JULIO

$$\begin{aligned}
 &2,060 - 100\% \\
 &180 - x \\
 &x = \frac{(180)(100)}{2,060} \\
 &x = \frac{18,000}{2,060} \\
 &x = 8.73\%
 \end{aligned}$$

AGOSTO

$$\begin{aligned}
 &2,060 - 100\% \\
 &280 - x \\
 &x = \frac{(280)(100)}{2,060} \\
 &x = \frac{28,000}{2,060} \\
 &x = 13.59\%
 \end{aligned}$$

GRADOS

ENERO

$$\begin{aligned} 2,060 - 360^\circ \\ 300 - x \\ x = \frac{(300)(360)}{2,060} \\ x = \frac{108,000}{2,060} \\ x = 52.42^\circ \end{aligned}$$

FEBRERO

$$\begin{aligned} 2,060 - 360^\circ \\ 150 - x \\ x = \frac{(150)(360)}{2,060} \\ x = \frac{54,000}{2,060} \\ x = 26.21^\circ \end{aligned}$$

MARZO

$$\begin{aligned} 2,060 - 360^\circ \\ 400 - x \\ x = \frac{(400)(360)}{2,060} \\ x = \frac{144,000}{2,060} \\ x = 69.90^\circ \end{aligned}$$

ABRIL

$$\begin{aligned} 2,060 - 360^\circ \\ 250 - x \\ x = \frac{(250)(360)}{2,060} \\ x = \frac{90,000}{2,060} \\ x = 43.68^\circ \end{aligned}$$

MAYO

$$\begin{aligned} 2,060 - 360^\circ \\ 300 - x \\ x = \frac{(300)(360)}{2,060} \\ x = \frac{108,000}{2,060} \\ x = 52.42^\circ \end{aligned}$$

JUNIO

$$\begin{aligned} 2,060 - 360^\circ \\ 200 - x \\ x = \frac{(200)(360)}{2,060} \\ x = \frac{72,000}{2,060} \\ x = 34.95^\circ \end{aligned}$$

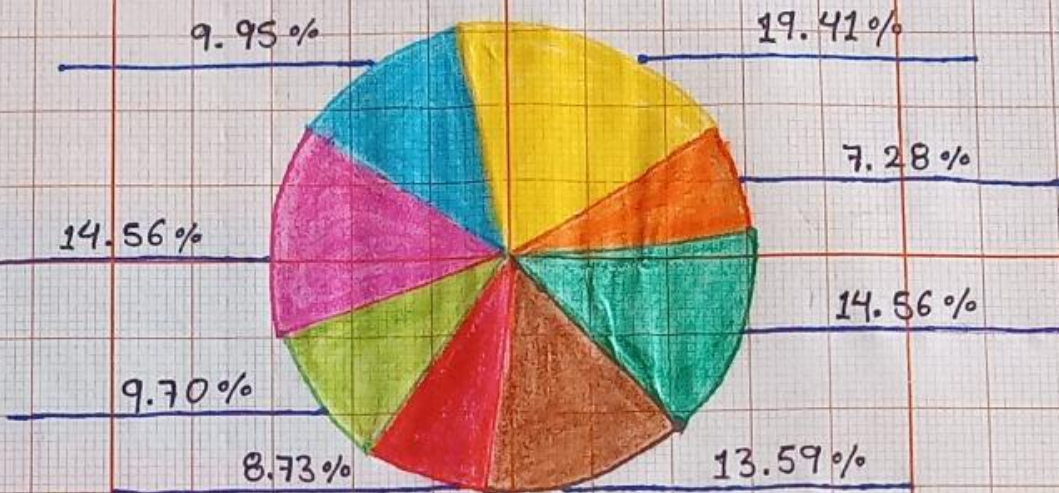
JULIO

$$\begin{aligned} 2,060 - 360^\circ \\ 180 - x \\ x = \frac{(180)(360)}{2,060} \\ x = \frac{64,800}{2,060} \\ x = 31.45^\circ \end{aligned}$$

AGOSTO

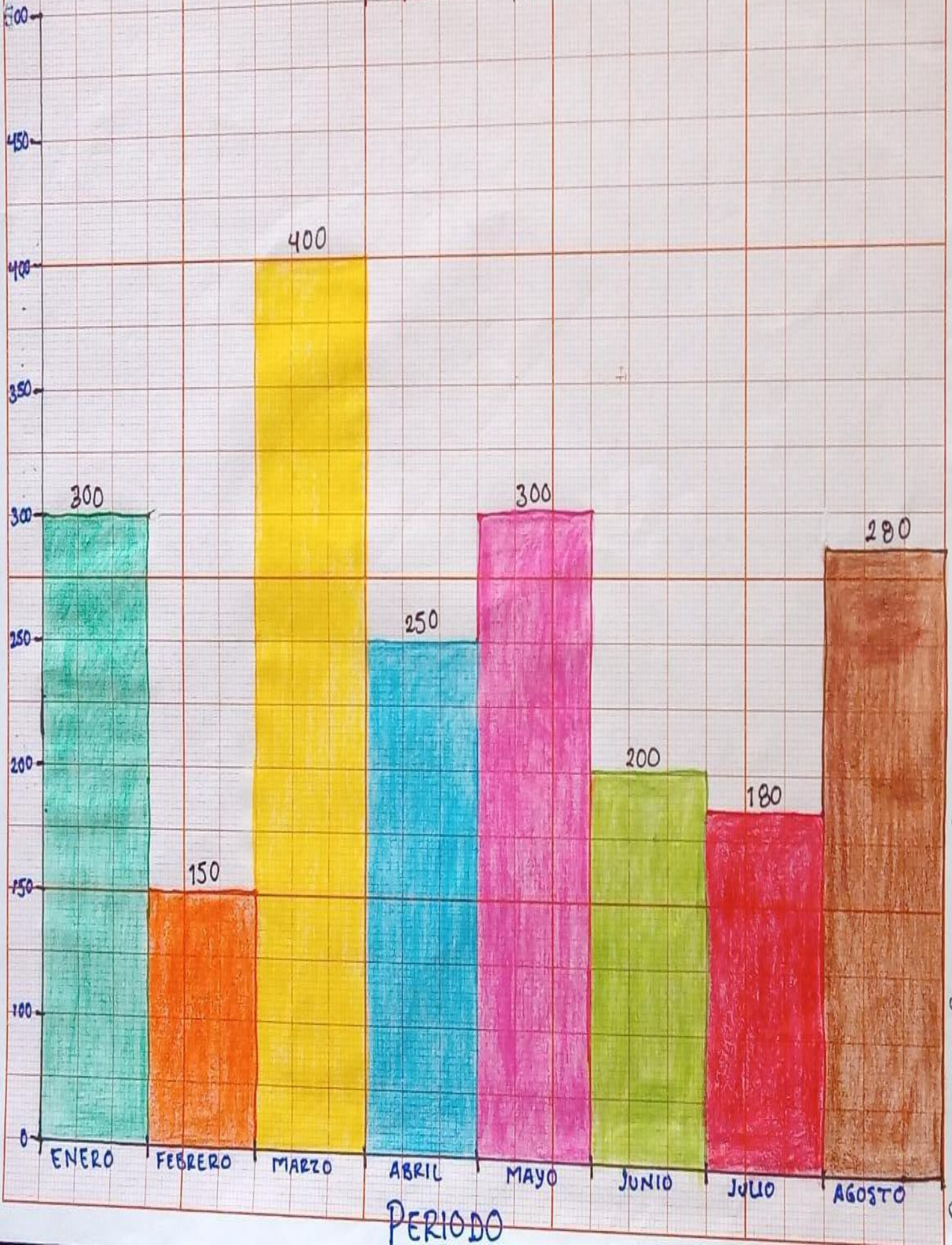
$$\begin{aligned} 2,060 - 360^\circ \\ 280 - x \\ x = \frac{(280)(360)}{2,060} \\ x = \frac{100,800}{2,060} \\ x = 48.93^\circ \end{aligned}$$

GRÁFICA CIRCULAR

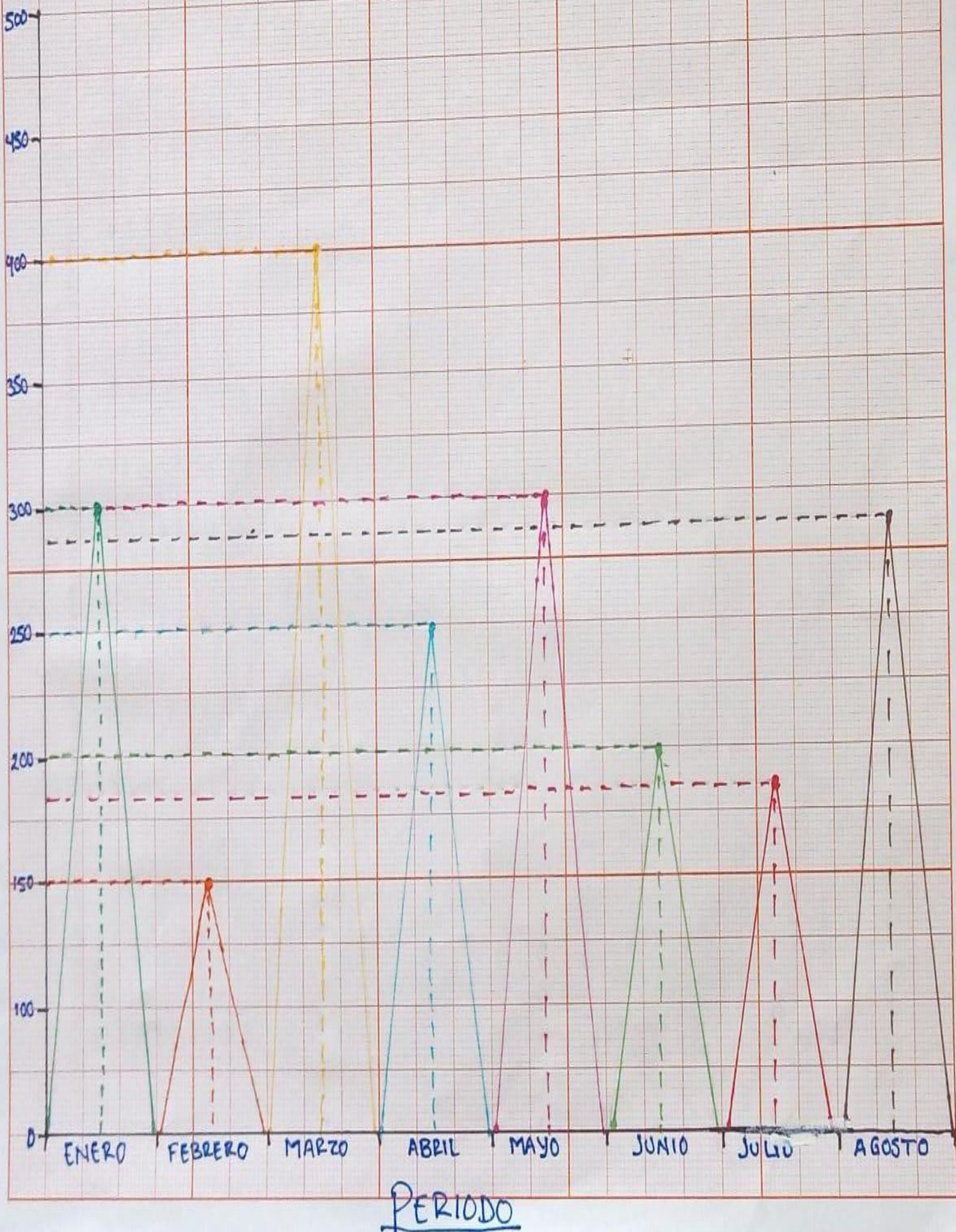


- ENERO
- FEBRERO
- MARZO
- ABRIL
- MAYO
- JUNIO
- JULIO
- AGOSTO

HISTOGRAMA



CÓNICAS



CASANDRA GUADALUPE ORTIZ AGUILAR 4º A LICENCIATURA EN ENFERMERIA

Realice los cálculos de media, mediana, moda varianza, desviación estándar, para datos no agrupados.

40	56	45	56	50	50
55	60	55	67	49	59
60	63	54	50	55	58
63	50	50	46	48	60
47	50	65	49	40	64
40	49	62	58	44	72
55	50	78	65	50	70
50	54	84	62	45	68

40 40 40 44 45 45 46 47 48 49 49 49 50
 50 50 50 50 50 50 50 50 54 54 55 55 55
 55 56 56 58 58 59 60 60 60 62 62 63 63
 64 65 65 67 68 70 72 78 84

$$n = 48$$

$$\sum y_i = 2,670$$

$$\sum y_i^2 = 152,840$$

$$\bar{x} = \frac{\sum y_i}{n} = \frac{2,670}{48} = \underline{55.625}$$

$$Me = \frac{n}{2}, \frac{n}{2} + 1 = \frac{48}{2}, \frac{48}{2} + 1 = 24, 24 + 1 = 25, 25$$

$$Me = 55, 55$$

$$Me = \frac{55 + 55}{2} = \frac{110}{2} = \underline{55}$$

$$Mo = \underline{50}$$

$$S^2 = \frac{\sum y_i^2 - \frac{(\sum y_i)^2}{n}}{n-1} = \frac{152,840 - \frac{(2,670)^2}{48}}{47}$$

$$S^2 = \frac{152,840 - 148,518.75}{47} = \underline{91.94}$$

$$S = \sqrt{91.94} = \underline{9.58}$$