

Media

$x_i \times f_i$

72,5

258,5

260

207,5

404

357

479,5

Total de $x_i \times f_i$ 2039

Total de $(x_i \times f_i) / \text{Total de } f_i (50) = 40,78$

Media = 40,78

Mediana

$$n = 50 / 2 \quad 50 / 2 = 25$$

$$Me = 37 + \frac{25 - 24}{5} \times 9$$

$$Me = 37 + \frac{1}{5} \times 9$$

$$Me = 37 + 0,2 \times 9$$

$$Me = 37 + 1,8$$

$$Me = 38,8$$

$$\text{Mediana} = 38,8$$

Moda

$$M_o = 19 + \frac{11-5}{(11-5) + (11-8)} \times 9$$

$$M_o = 19 + \frac{6}{6+3} \times 9$$

$$M_o = 19 + \frac{6}{9} \times 9$$

$$M_o = 19 + \frac{54}{9}$$

$$M_o = 19 + 6$$

$$M_o = 25$$

$$\text{Moda} = 25$$

Rango

$$\text{Rango} = \text{Limite superior} - \text{Limite inferior}$$

$$\text{Rango} = 73 - 10$$

$$\text{Rango} = 63$$

$$\text{Rango} = 63$$

Varianza

$$\text{Varianza} = \frac{101078,442}{49}$$

$$\text{Varianza} = 2062,83$$

Desviación estándar

$$DE = \sqrt{2062,825}$$

$$DE = 45,41$$

$$\text{Desviación estándar} = 45,41$$