

Sabado 11 Junio 2022

42, 56, 78, 118, 100  
 87, 75, 64, 89, 90  
 46, 89, 100, 110, 69  
 98, 81, 76, 45, 51

$\bar{x}$

Rango  
 $118 - 42$   
 $R = 76$

Intervalo  
 $\sqrt{20} = 5$   
 $76 \div 5 = 15.2$  Amplitud

$L_i$	$C_i$	$f_i$	$Fa$	$F_R$
1° [42 - 57.2]	→ 49.6	5	7	0.25
2° [57.3 - 72.5]	→ 64.9	2	12	0.1
3° [72.6 - 87.8]	→ 80.2	6	18	0.3
4° [87.9 - 103.1]	→ 95.5	2	20	0.1
5° [103.2 - 118.4]	→ 110.8			

%  
 25%  
 10%  
 25%  
 30%  
 25%

Mediana  $26/2 = 10$   
 $Me = 87.9 + \frac{(10 - 5)}{6} \times 15.2$

Moda

$Mo = 87.9 + \frac{(6 - 5)}{(6 - 5) + (6 - 2)} \times 15.2$

$Me = 87.9 + \frac{(5 - 1)}{6} \times 15.2$   
 $Me = 87.9 + (0.8333) \times 15.2$   
 $Me = 87.9 + 12.66616$   
 $Me = 100.56616$

1° 248  
 2° 129.8  
 3° 409  
 4° 573  
 5° 221.6

Varianza

1° 845.06  
 2° 189.61  
 3° 2.3409  
 4° 283.248  
 5° 1,032.33

Desviación

$S = 11.50030655$

$Mo = 87.9 + \frac{1}{3} \times 15.2$   
 $Mo = 87.9 + 5.06666$   
 $Mo = 90.96666$

$S^2 = 210.25889$

$S = 14.50030655$

$\bar{x} = 78.67$

$Mo = 90.97$

5° 1,032.33

$S = 11.50030655$



- 1- 25%
- 2- 10%
- 3- 25%
- 4- 20%
- 5- 15%

