

**JENNIFER MICHELE
LOPEZ ESPINOSA**

CONTADURIA Y FINANZAS

12, 10, 9, 11, 18, 16, 9, 10, 10, 11, 12, 13, 14, 15
 17, 11, 12, 16, 17, 17, 16, 16, 15, 14, 12, 11, 11, 11
 12, 12, 12, 15, 13, 14, 16, 15, 18, 19, 18, 10, 11, 12
 12, 11, 13, 13, 15, 13, 11, 12

media = $643 \div 50 = 12.86$

mediana = 12

moda = 12

9, 9, 10, 10, 10, 10, 11, 11, 11, 11, 11, 11, 11, 11, 11, 11, 12, 12, 12, 12, 12, 12, 12, 12, 12, 12
 12, 13, 13, 13, 13, 13, 14, 14, 14, 18, 15, 15, 15, 15, 15, 18, 16, 16, 16, 16, 16
 17, 17, 18, 18, 19

INI	Ci	Fi	ni	F	ni %
[5-10]	0.5	2	0.04	0.04	4
[10-15]	5.5	32	0.64	0.68	6.4
[15-20]	10.5	16	0.32	1	3.2
		50	1		

2. las calificaciones de 50 alumnos han sido la siguiente

5, 2, 4, 9, 7, 4, 8, 6, 8, 7, 7, 8, 5, 2, 10, 8, 6, 5, 4, 8
 8, 8, 4, 0, 8, 4, 8, 6, 6, 3, 6, 7, 6, 6, 7, 6, 7, 3, 8
 6, 9, 6, 1, 4, 6, 3, 8, 8, 6, 7

IN_i	ci	F_i	ni	F	$niyo$
$[0-5]$	2.5	12	0.24	0.24	2.4
$[5-10]$	7.5	<u>38</u>	<u>0.76</u>	1	7.6
		50	1		

3.-

$$600\text{mm} + 470\text{mm} + 170\text{mm} + 430\text{mm} + 300\text{mm}$$

$$= 394$$

$$(600 - 394)^2 + (470 - 394)^2 + (170 - 394)^2 + (430 - 394)^2$$

$$(300 - 394)^2$$

$$\div 5 = 21,704$$

$$= 108520$$

$$\text{Desviación estándar} = \underline{\underline{329.42}}$$

(2)

19.7, 24.2, 23.8, 24.5, 21.1, 20.9, 21.6, 22.7
21.3, 21.5, 23.1, 19.9, 24.2, 24.1, 19.8, 23.9
22.8, 23.9, 23.7, 20.3, 23.6, 19.0, 25.1, 19.5
24.1, 24.2, 21.8, 25.3, 20.7, 22.5, 21.2, 23.8
23.3, 20.9, 23.5, 19.5, 20.8, 22.8, 21.9, 22.0
20.7, 20.9, 25.0, 22.2, 22.8, 20.1