

Blanca Juana Alvarez Garcia. Sábado 14 de Junio

42 58 78 118 100 87 75 65 89 90 10 89
 100 110 89 98 87 75 45 51

Numero mayor: 118 / Numero menor: 42 Rango: 76

Intervalo: 5 Amplitud: 15.2

x	x _i	c _i	f _i	Fa	F _r	F _v	x	c _i · f _i	(x _i - \bar{x}) ²
	42-57.2	49.6	5	5	0.25	25%	98°	248	843.90
	57.3-72.5	64.9	2	7	0.1	10%	36°	129.8	189.06
	72.6-87.8	80.2	5	12	0.25	25%	90°	401	2,402.5
	87.9-103.1	95.5	6	18	0.3	30%	108°	573	283.92
	103.2-118	110.6	2	20	0.1	10%	36°	221.2	1,020.80
					1	100%	360	1,573	2,340.0825

$\bar{x} = \frac{\sum c_i \cdot f_i}{n} = \frac{1573}{20} = 78.65$

$MO = L_i + \frac{f_i - f_{i-1}}{(f_i - f_{i-1}) + (f_i - f_{i+1})} \cdot h$
 $MO = 87.9 + \frac{6-5}{(6-5) + (6-2)} \cdot 15.2$

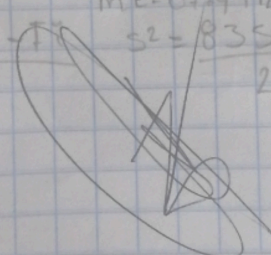
$MO = 87.9 + \frac{1}{(1+4)} \cdot 15.2$
 $MO = 87.9 + \frac{1}{5} \cdot 15.2$
 $MO = 87.9 + 3.04$
 $MO = 90.94$

$Mc = L_i + \frac{(f_i - f_{i-1}) \cdot h}{f_i}$
 $Mc = 87.9 + \frac{(10-5) \cdot 15.2}{10}$
 $Mc = 87.9 + 7.6$
 $Mc = 95.5$

$Mc = 87.9 + 12.666$
 $Mc = 100.566$

$S^2 = \frac{\sum (x_i - \bar{x})^2 \cdot f_i}{n}$
 $S^2 = \frac{8354.75}{20}$
 $S^2 = 417.7375$

$S' = 20.4386$



0.0625 12.666

Norma



- 42-57.2
- 57.3-72.5
- 72.6-87.8
- 87.9-103.1
- 103.2-118.