

$$\bar{x} = \frac{\sum x_i \cdot f_i}{N}$$

$$\text{Var} = \frac{\sum x_i^2 \cdot f_i}{N} - \bar{x}^2$$

$$\sigma = \sqrt{\text{Var}} \quad \leftarrow \text{Desviacio Tipica}$$

$$\text{C.V.} = \frac{\sigma}{\bar{x}}$$

	xi	fi	Fi	xi·fi	xi ² ·fi
5	54	1	1	54	2916
	61	3	4	183	11163
	68	8	12	544	36992
	75	9	20	600	45000
	82	6	26	492	40344
	89	4	30	356	31684
	∑xi·fi		30	2229	168099
	∑xi ² ·fi				5520,49

mediana N
 $13 - 20 \rightarrow 75$

$$\text{moda} = \frac{68 + 75}{2}$$

$$71,5$$

$$\text{mediana} = \frac{30}{2} = 15$$

$$\bar{x} = \frac{2229}{30} = 74,3$$

$$\text{var} = \frac{168099}{30} - 74,3^2 = 82,81$$

5520,49

$$\sigma = \sqrt{82,81} = 9,1$$

$$C.V = \frac{9,1}{74,3} = 0,122$$

CUARTILES

0000 | 1 1 1 1 2 2 2 3 | 3 4 4 5

4

$$\frac{1+2}{2} = 1.5$$

$N=16$

$$4 - Q_1 = \frac{0+1}{2} = 0.5$$

$$\frac{16}{4} = 4$$

$$8 - Q_2 = 1.5$$

$$12 - Q_3 = 3$$

x_i	f_i	F_i	h
0	4	4	4
1	5	9	4
2	3	12	4
3	2	14	4
4	2	16	4
5	1	16	4