

x_i	f_i	$x_i f_i$	x_i^2	$x_i^2 f_i$
60	1	60	3600	3600
65	3	195	4225	12675
70	9	630	4900	44100
75	13	975	5625	73125
80	8	640	6400	51200
85	4	340	7225	28900
90	2	180	8100	16200
	40	3020		229800

$$\bar{x} = \frac{\sum_{i=1}^k x_i f_i}{n} = \frac{3020}{40} = 75,5$$

$$SQ = \sum_{i=1}^k x_i^2 f_i - \frac{\left(\sum_{i=1}^k x_i f_i\right)^2}{n} = 229800 - \frac{3020^2}{40} = 1790$$

$$s_n^2 = \frac{SQ}{n} = \frac{1790}{40} = 44,75$$

$$s_n = 6,69$$

$$s^2 = \frac{SQ}{n-1} = \frac{1790}{39} = 45,90$$

$$s = 6,77$$

A legnagyobb és a legkisebb érték különbsége, azaz a minta **terjedelme**: $91-58=33$.

$$\begin{array}{r}
 42,3 \\
 6,55 \\
 6,55 \\
 13,05 \\
 34,35 \\
 59,05 \\
 72,25 \\
 15,1 \\
 \hline
 142
 \end{array}$$