Mean: $\overline{X} = \frac{x_1 + x_2 + \dots + x_n}{n} = \frac{1}{n} \sum_{i=1}^{n} x_i$ Stol Dev. $\overline{V} = \left(\sum_{i=1}^{n} (x_i - \overline{x})^2\right)^2$ Bessel's Counction

degrees of freedom

min
$$\left\{ |x_{i}-m| + |x_{2}-m| + \cdots + |x_{n}-m| \right\}$$

min $\left\{ |10-m| + |15-m| + |16-m| + |22-m| + |16-m| \right\}$
m $\left\{ |10-m| + |15-m| + |16-m| + |22-m| + |16-m| \right\}$
min $\left\{ |10-m|^{2} + |15-m|^{2} + (16-m)^{2} + (22-m)^{2} + (16-m)^{2} \right\}$
 $\left\{ |x_{i}-x_{i}|^{2} + (15-m)^{2} + (16-m)^{2} + (22-m)^{2} + (16-m)^{2} \right\}$
 $\left\{ |x_{i}-x_{i}|^{2} + (16-m)^{2} + (16-m)^{2} + (16-m)^{2} \right\}$

$$\sqrt{2} = \frac{\sum_{i=1}^{n} (x_i - \overline{x})^2}{n!}$$

L1-Stats
Maan Absolute Deviation (MAD) $MAD = \frac{\sum_{i=1}^{n} |x_i - m|}{n}$ M = 16- 110-16 | + | 15-16 | + | 16-16 | + | 22-16 | + | 18-16 | 5