

## Grundlegende Formeln

Varianz

$$s^2 = \frac{\sum_{i=1}^n (x_i - \bar{x})^2}{n - 1}$$

Kovarianz

$$s_{xy} = \frac{\sum_{i=1}^n (x_i - \bar{x}) \cdot (y_i - \bar{y})}{n - 1}$$

Korrelation

$$r_{xy} = \frac{s_{xy}}{s_x \cdot s_y}$$

z-Wert

$$z_i = \frac{x_i - \bar{x}}{s_x}$$