

Streuumaße

	Population	Stichprobe	Wahrscheinlichkeiten
Arithmetisches Mittel	$\bar{x} = \frac{1}{n} \sum_{i=1}^n x_i$		Erwartungswert $E(X) = \sum_{i=1}^k x_i \cdot P(X = x_i)$
Mittlere absolute Abweichung	$\bar{d} = \frac{1}{n} \sum_{i=1}^n x_i - \bar{x} $		$MAD = \sum_{i=1}^k x_i - E(X) \cdot P(X = x_i)$
Varianz	$Var = \frac{\sum_{i=1}^n (x_i - \bar{x})^2}{n}$	$Var = \frac{\sum_{i=1}^n (x_i - \bar{x})^2}{n - 1}$	$Var(X) = \sum_{i=1}^k (x_i - E(X))^2 \cdot P(X = x_i)$
Standardabweichung	$\sigma = \sqrt{Var}$	$s = \sqrt{Var}$	$\sigma(X) = \sqrt{Var(X)}$
Variationskoeffizient	$v = \frac{\sigma}{\bar{x}}$	$v = \frac{s}{\bar{x}}$	$v = \frac{\sigma(X)}{E(X)}$