Bsp. Note:

$$s_x^2 = \frac{1}{4-1}\left(\underbrace{1^2+1^2+1^2+4^2}_{19} - 4\left(\frac{7}{4}\right)^2\right)$$

$$= \frac{1}{3}\left(19 - \frac{49}{4}\right) = \frac{76-49}{12}$$

$$= \frac{33}{12} = \frac{11}{4} = 2.75$$

$$s_x = \sqrt{s_x^2} = \sqrt{\frac{11}{4}} = \frac{\sqrt{11}}{2} \approx 1{,}658$$

emp. Standardabweichung oder
Stichprobenstandardabweichung