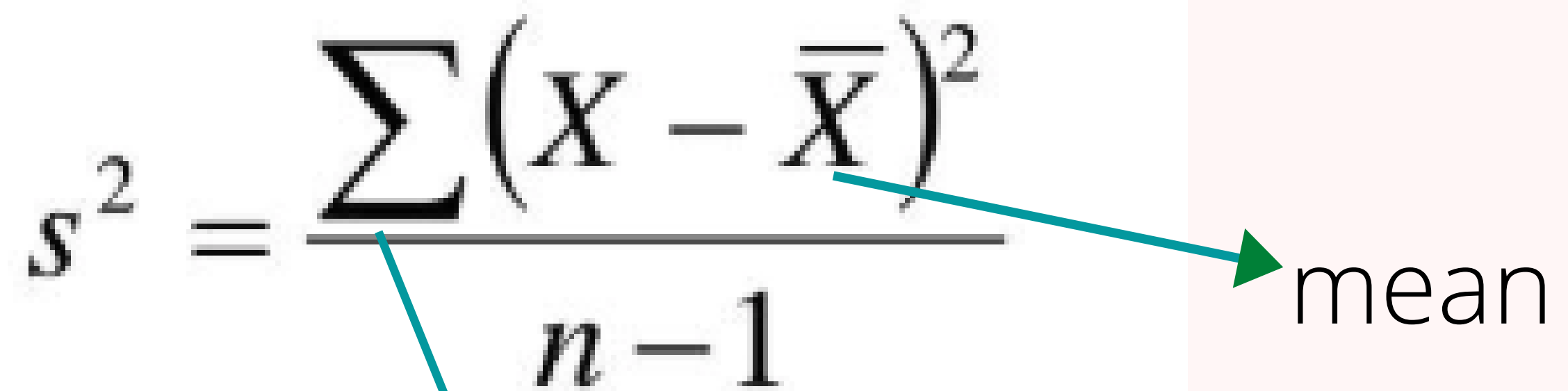


Variance

the average of squared differences from the mean

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


The diagram shows the formula for sample variance, $s^2 = \frac{\sum (x - \bar{x})^2}{n-1}$. Two teal arrows point from text labels to parts of the formula: one points from the label 'mean' to the \bar{x} term in the numerator, and another points from the label 'sum of' to the summation symbol \sum in the numerator.