

SOC 4930/5050: Exercise-11a - Equations in LaTeX

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$$\sigma = \sqrt{\frac{\sum_{i=1}^n (x - \bar{x})^2}{n}} \quad (1)$$

Writing the Standard Deviation Equation in LaTeX

1. In the body of your LaTeX document for today's lecture, add the sigma (σ) symbol and the equals sign ($=$), and then recompile your document.
2. Add the square root ($\sqrt{}$) symbol, and then recompile.
3. Add a fraction inside the square root symbol, and then recompile.
4. Add the summation notation (\sum) with the numerator set to n and the denominator set to $i = 1$, and then recompile.
5. Add the deviance squared ($(x - \bar{x})^2$) inside a pair of brackets associated with the summation notation, , and then recompile.
6. Add the n to the denominator of the fraction, and then recompile.

Add a Number to Your Equation

Add `\begin{equation}` on the line before your equation and `\end{equation}` on the line after, and then recompile.