

HW3 - Standard Deviation

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In this project, a basic function to calculate the standard deviation of a set of numbers is provided. The formula that this function uses to calculate standard deviation is:

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

Where n is the size of the set of numbers, \bar{x} is the average of the numbers in the set, and x_i denotes the i th element in the set. For information about the C++ function exposed, see the [html](#) or [pdf](#) documentation.