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Assignment 2

The formula for standard deviation (in a population):

X = The value in the data distribution

𝛍 = The population mean

N = Total number of observations

The formula for variance (in a population):

X = Elements in population

𝛍 = The population mean

N = The population size

Standard deviation measures how far data points are from the mean, while variance measures how far data points are from each other and the mean.