

Standard Dev: Cs3560: Homework3

Bryan Long

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$$s = \sqrt{\frac{1}{N-1} \sum_{i=1}^N (x_i - \bar{x})^2}$$

This is the condition for standard deviation of an informational index where s is the variable for stddev, N is the number of values in the set, x_i is the i th element of the set, and \bar{x} is the average of the data set. Standard deviation is the estimation of spread of the information and is helpful in looking at informational indexes that have a similar normal yet similar reaches.