



## Measures of Center and Variation

### Today's Standard

6.SP.A3 - Recognize that a measure of center for a numerical data set summarizes all of its values with a single number, while a measure of variation describes how its values vary with a single number.

| Cues                 | Notes   |
|----------------------|---|
| Mean                 | Mean: The average of a set of numbers.  |
| Median               | Median: The middle value in a set of numbers.                                       |
| Range                | Range: The difference between the highest and lowest values.                        |
| Measure of Center    | Measure of Center: A single number that summarizes all values in a data set.        |
| Measure of Variation | Measure of Variation: A single number that describes how values vary in a data set. |
| Outliers             | Outliers: Values that are significantly higher or lower than most of the data.      |

### Summary

Understanding measures of center and variation helps summarize and describe data sets. The mean and median are key measures of center, while the range is a measure of variation. Outliers can affect these measures differently.