

One variable & two variable data.

One variable data describes a single quantity across a group, summarized with measures of center and spread. **Two variable data** looks at the relationship between two quantities, summarized with scatter plots and correlation. The SAT tests both reading data displays and reasoning about what the number means

1

Key vocabulary and definitions.

Mean

The sum of all values divided by the number of values; the average.

Median

The middle value when data is ordered least to greatest.

Mode

The value that appears most frequently in the data set.

Range

The difference between the maximum and minimum values.

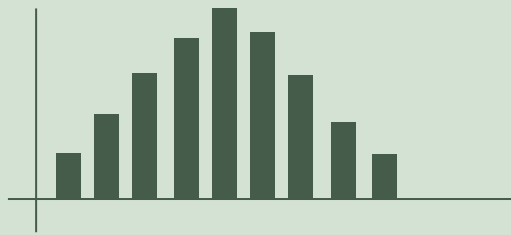
2

Mean

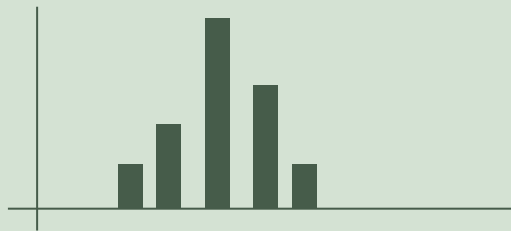
$$\text{Mean} = (\text{sum of all values}) \div (\text{number of values})$$

3

Standard Deviation



Larger standard deviation = data points are more spread out from the mean



Smaller standard deviation = data is tightly clustered.

