

4.4. Measures of Central Tendency

Central tendency - how a set of data cluster around a value.

We learn 4 measures of Central tendency.

mean - the average of the data

$$\text{mean} = \frac{\text{Sum}}{\text{\# of elements}}$$

median - the middle number in a data set. When the elements are placed in numerical order. If there are an even number of elements, the median is the average of the two middle numbers.

mode - the element which occurs most often in a data set.

range - the difference between the greatest and least values in the set.

Frequency Table - a method of displaying data with tally marks to show how many of each element.

Example #4 pg 189

How to find mean, median, mode, range from frequency table.

Class sibling frequency table to find mean, median, mode, and range.

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HW pg 190 (7, 9, 11-13, 21, 23, 56, 57)