

## **Basic Statistical Concepts: Definitions and Concepts**

Mean and Median: both are middles but different middles

1. Which is the arithmetic middle?
2. How is it found?
3. Which is the positional middle?
4. How is it found?
5. Can the mean ever be the largest number in the set? The smallest number?
6. Does the mean or the median have to be a data point in the set?
7. When is the best time to use the mean? The median?

## **Standard Deviation**

1. How is the standard deviation found?
2. Where is the variance?
3. What does the standard deviation tell us?
4. Is the standard deviation for a set of real number data points always less than or equal to the value of the variance?

## **Box Plots**

1. What are the five parts to a box plot?
2. What is a quartile?
3. Where is the lower quartile located? The upper quartile?
4. What is the interquartile range and how is it found?
5. How does one draw a box plot?

