Reading Quiz

1. If a distribution is skewed right, then the mean is likely to be [greater than  equal to  less than] the median.

2. Suppose there are ten observations of a variable. If the largest observation is increased by 20 then the mean is increased by __________ and the median is increased by __________.

Outline

1. The five number summary (Min, Q1, Median, Q3, Max)

2. The range and interquartile range (IQR) as measures of spread

3. A boxplot as a graphical summary of the data

4. The variance and standard deviation as measures of spread

5. The 1.5 IQR test for outliers

6. When to use which measure of spread.