

# Readings & Media

**Link to Site** (<http://stattrek.com/descriptive-statistics/central-tendency.aspx?Tutorial=AP>) The Mean and Median: Measures of Central Tendency

**Link to Site** (<http://stattrek.com/statistics/correlation.aspx?Tutorial=AP>) Correlation Coefficient

**Connection to Course Work:** These readings will refresh your memory about the concepts of mean, median, and correlation. You'll use these concepts on Homework 3.

**Takeaways:** After completing this reading, you should be able to:

- Compute the mean and median of a small data set by hand.
- Explain the effect of outliers on the mean and median.
- Provide an interpretation for a given correlation coefficient.
- Match a given correlation coefficient with the most plausible scatterplot.

**Link to Site** (<http://stattrek.com/statistics/charts/histogram.aspx?Tutorial=AP>) Bar Charts and Histograms

**Link to Site** (<http://stattrek.com/statistics/charts/boxplot.aspx>) Boxplots (aka, Box and Whisker Plots)

**Link to Site** (<http://stattrek.com/statistics/charts/scatterplot.aspx?Tutorial=AP>) What is a Scatterplot?

**Connection to Course Work:**

These readings will refresh your memory about histograms, boxplots, and scatterplots. You'll use these concepts on Homeworks 3.

**After completing this reading, you should be able to:**

- Explain the difference between a barplot and a histogram.
- Explain the meaning of the lines and points of a boxplot.