

# Unit 3 Vocab and Terms

## Correlation, Chapter 7

### Barron's Book

Scatter Plot

Correlation and Linearity

Least Square Regression Line

Residual Plots

Outliers and Influential Points

Transformations to Achieve Linearity

### Textbook, Ch. 7

Direction

Negative

Positive

Form

Linear

Outlier

Response variable

Explanatory variable

The y-variable is the \_\_\_\_\_

Correlation Coefficient

Correlation Coefficient Formula

Correlation

Quantitative Variable Condition

Straight Enough Condition

Outlier Condition

Correlation Properties ... page 156 in textbook (know these ... note cards maybe a good idea)

Warning: Correlation  $\neq$  Causation ... Why? Summarize pg. 157 in textbook