<u>Chapter 3 Review Topics:</u> <u>Statistics for Describing, Exploring, & Comparing Data</u>

- ✓ Measures of center: mean, median, mode, midrange
- ✓ Weighted mean
- ✓ Measures of variation: range, standard deviation, variance, interquartile range
- ✓ Interpreting standard deviation: range rule of thumb (mean +/- 2 standard deviations)
- ✓ Measures of position: Z score, median, quartiles, percentiles
- Outlier (how to determine if a value is an outlier, what measures of center are affected most)
- ✓ 5 number summary, boxplots

Covered in class but will not be a focus on the Chapter 3 Test:

- ✓ Mean from a frequency distribution
- ✓ Distribution: symmetric, skewed to the left, skewed to the right
- ✓ Measure of variation: Mean absolute deviation
- ✓ Interpreting standard deviation: Empirical Rule (68/95/99.7 rule), Chebyshev's Theorem, coefficient of variation
- ✓ Modified boxplots