Statistics A – Chapter 2 Learning Targets

I can create a frequency table from a set of data.

I can calculate the relative frequency and the cumulative frequency.

I can find the lower class limits, upper class limits, and class midpoints from a frequency table.

I can create and label a histogram (and relative frequency histogram).

I can create a dotplot, stemplot, Pareto chart, pie chart, scatterplot.

I can calculate the mean, median, mode, midpoint, and describe positive and negative characteristics of each.

I can calculate the range, the variance, and the standard deviation.

I understand the range rule of thumb as a method for estimating the standard deviation.

I can calculate the minimum and maximum usual values and can determine if a value is unusual.

I know the first three values for the Empirical Rule and when the rule is applied.

I know the first two values for Chebyshev’s Theorem and when the theorem is applied.

I can calculate a z-score and determine if a value is unusual.

I can construct a box plot finding min, max, median, Q1, and Q3.

I can use the TI-83/84 calculator for calculations and graphs.