IB Math Unit 1 - Aims 9/15/2017

* Classify data as discrete or continuous.
* Make frequency tables from a list of data. From those, make histograms.
* Make and interpret Box-and-whisker diagrams and histograms. Use GDC to produce histograms and box and- whisker diagrams.
* Describe distributions of data (symmetrical, skewed left or right, uniform for example)
* Calculate measures of central tendency.
* For simple discrete data: mean; median; mode.
* For grouped discrete and continuous data: estimate of a mean and modal class. Students should use mid-interval values to estimate the mean of grouped data. The expectation is that you can show a formula along with the critical values inside the formula.
* Use and understand Σ notation when using formulas (as with finding mean of data with frequencies)
* Find measures of variation (dispersion) : range, interquartile range, standard deviation. When calculating the std. deviation, the data set will be treated as the population (not sample)

Students should use mid-interval values to estimate the standard deviation of grouped

data. Use your GDC spreadsheet capabilities to help you but write down all critical totals.

* Make and interpret **cumulative frequency tables** for grouped discrete data and for grouped continuous data (remember to use the *end of the intervals* to graph)
* Be able to answer some general questions about the assigned readings from the STAT TREK website assigned as part of homework.