

IAT 432 – Basic Excel Commands

Frequency distribution - use COUNTIF(data row1:datarowlast, Bin)

Example 1: Count of data points from A1 to A10 with value equal to number in bin D1:
=COUNTIF(A1:A10,D1)

Once you have counted the frequency of data points in each bin for a data set, you can make a frequency distribution bar chart – select outputs from your COUNTIFs and INSERT CHART – Bar graph. Use Chart design tab – Design elements to customize and annotate your char (e.g. chart title, X axis label and units, Y axis label etc).

Mean - use AVERAGE

Standard Deviation - use STDEV

Again -- Use INSERT CHART to create a bar graph of means w/ standard deviation as error bars – use design elements to customize error bars and to annotate chart.

T-test - use T.TEST(A1:A10, B1:B10,tails, type)