

# ***Statistics Project***

## ***Components Checklist and Rubric***

- 1) Choose a topic of 1-variable stats with 30 items of data. Find the mean, median, mode, minimum, maximum, range, and standard deviation for this data.  
*(15 points)*
- 2) Create a modified box-and-whiskers plot, recording all detail. Locate and label any outliers.  
*(10 points)*
- 3) State which measure of central tendency (mean, median, or mode) would best represent the data and explain why.  
*(10 points)*
- 4) Calculate the percent of your data to 1, 2, and 3 standard deviations.  
*(10 points)*
- 5) Using the data, create a frequency table, histogram, and stem-and-leaf plot. Name the type of distribution.  
*(30 points)*
- 6) Project must be presented as a poster. Include a title and at least one picture. Use at least 4 colors in your graphs and title.  
*(15 points)*
- 7) Be VERY neat! Write your first and last name clearly on the back of the project and on the rubric paper.  
*(10 points)*