

Name: _____

CP Statistics

Project #2: Analysis of Quantitative Variables

Due date: 10/19

You will be making up and carrying out a survey that involves quantitative variables. Once your data is collected, you will be making a dotplot, stemplot, and/or histogram (choose 2). You will also construct a boxplot and describe the distribution. All graphs should be done by hand without the use of computer programs. You will lose 10 points each day your project is late.

Project #2 Checklist

POINTS

- Each person will collect at least 30 data and list all responses. (1 point)
Include these responses on a separate sheet of paper and attach to the back of your poster.
- Title of the project (1 point)
- Survey question (1 point)
- Population: (be specific) (1 points)
- Individuals: (be specific) (1 points)
- Variable(s): (1 points)
- Choose two graphs from dotplot, stemplot, and histogram (4 points)
 - Describe shape, center, spread and outliers (2 points)
(you only need to do this once)
- Make a boxplot
 - Show the 5-number summary on your graph (3 points)
 - Find the shape (1 point)
- Find the 2 centers and 3 spreads based on the data (5 points)
 - Centers: mean and median
 - Spreads: range, IQR and standard deviation
- Find the potential outliers (2 points)
 - Show the work for the rule of thumb in identifying outliers
- Summary of your survey (2 points)
 - *Make sure to include how you collected the data and what your findings are in the summary.

TOTAL

_____/25 points