

Name _____

Data Collection Results:

Scoring Guide

	Points Earned
a. Find the five number summary for your data. Also find the IQR and perform an outlier test (20 points)	
b. Find the mean and the standard deviation of your data. Perform an outlier test using the mean and std dev.. (20 points)	
c. Draw a boxplot (10 points)	
d. Draw your choice of a histogram or a stem plot. (10 points)	
e. Refer to your picture in part c and d and comment on the shape/center/spread. Specify which measure of center and spread is appropriate for your data set (40 points)	
f. Explain whether the relationship between the mean and median is what you are seeing would expect based on the information you discussed in part e. (10 points)	

Look around your living space or current surroundings and find a continuous quantitative variable for which you can collect at least 20 observations (examples: The length of the first 25 songs on Spotify Discover Weekly or the monetary amounts for the last 22 checks/debit card withdrawals on your checking account, the number of pages of 20 books in your library) **Include a table of your collected data.** *You may use technology for all parts. No need to calculate these values by hand.*