MATH225
Week 7 Lab Assignment

Name: Instructor Name: _____

Please use this template to help answer the questions listed in the lab instructions. The “steps” below refer to the steps listed in the lab instructions. Type your answers and post your screenshots in the spaces given.

Summary of Articles

Write a few complete sentences summarizing what you learned from the articles provided.

A. Summary of Article #1 – Confidence Interval 1

Confidence intervals are frequently used to provide the range for population mean and percentage values. The confidence levels used are 95%, 90%, 98%, and 99%.

B. Summary of Article #2 – Confidence Interval 2

Article 2 explains that researchers are able to find the confidence interval of two studies and their separate means.

C. How do you think confidence intervals can be used in health sciences? Use the articles to inspire and support your answer.

Condfidence intervals can be used in health sciences in research of different medication success rates, clinical decison making, and comparing treatment groups.

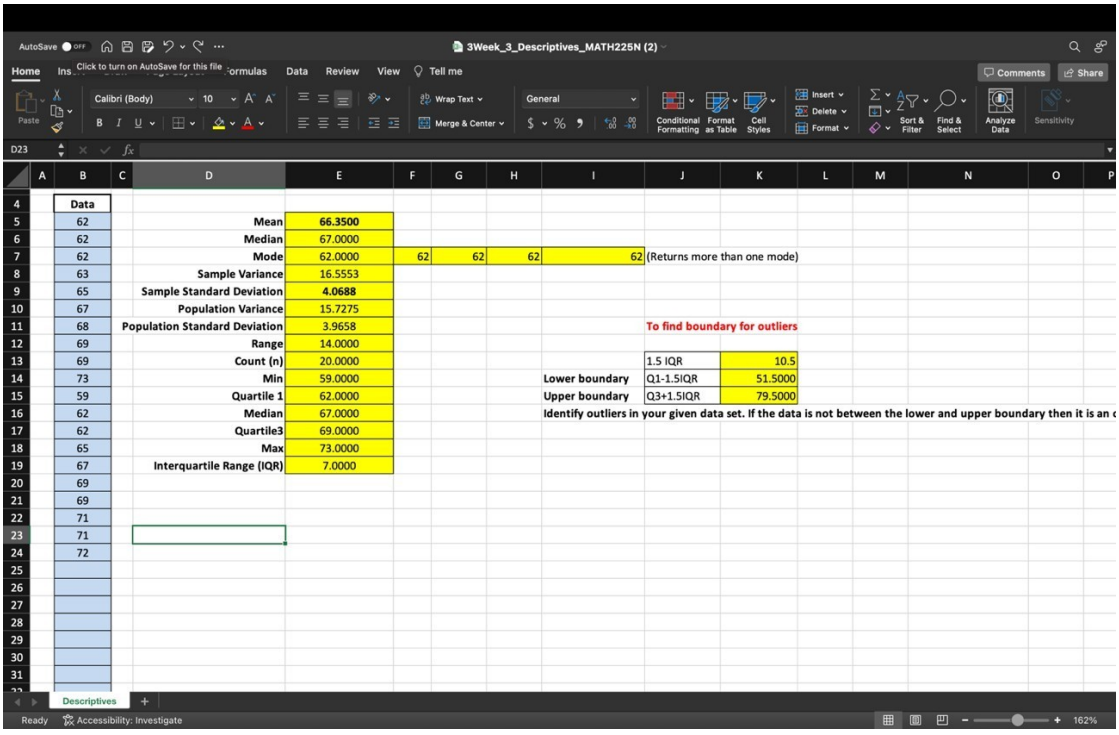
Data Collection

Use the data set you collected for the Week 5 lab (heights of 10 different people plus the 10 heights provided by your instructor). (**NOTE:** This is NOT the data used in the lab video, which is about midterm grades. Do not use the midterm grades data.)

Instructor Provided	62	62	62	63	65	67	68	69	69	73			
My own	59	62	62	65	67	69	69	71	71	72			

For the remainder of this lab, treat the 20 numbers as ONE sample.

Provide a screenshot of your Week 5 Data (20 Heights) from the Week 6 Spreadsheet **Sample Mean and Standard Deviation** tab (be sure that your mean, standard deviation, and all 20 data values from the spreadsheet are visible).



Summarize the Preliminary Calculations (Round to 2 decimal places): Sample Mean: _____66.35_____