MA 155
Project 4: Inferential Statistics

First Name_____   Last Name_____   ____/xx Points

- **Instructions:** Use the attached data set in excel to complete the tasks. Once you are done with the tasks, upload your work as a single **word file** on canvas. The data set is the same as the one you used in Project 1.
- Tasks
  1. (xx Points) Construct a 90% confidence interval for a mean, using the variable "AGE" using the Data Analysis Tool in excel. Report the interval in the point estimate – margin of error and interval notation forms. Interpret the interval.
     Note: Round your answer to two decimal places.

     Put your results here!

  2. (xx Points) Construct a 95% confidence interval for a mean, using the variable "AGE" using the Data Analysis Tool in excel. Report the interval in the point estimate – margin of error and interval notation forms. Interpret the interval.
     Note: Round your answer to two decimal places.

     Put your results here!

  3. (xx Points) Construct a 99% confidence interval for a mean, using the variable "AGE" using the Data Analysis Tool in excel. Report the interval in the point estimate – margin of error and interval notation forms. Interpret the interval.
     Note: Round your answer to two decimal places.

     Put your results here!

  4. (xx Points) Briefly discuss the effect of increasing the level of confidence on the width of the confidence interval.

     Put your results here!