Chapter 3 Lab: Presidential Inquiry

Using your Presidential Inquiry data table, you are to make a comparison between the President's age at Inauguration (independent variable; x) and how many years they lived after inauguration (dependent variable; y).

Step 1: Make a prediction of what you think will happen. Will a young President or old President live longer after they have been sworn into office? This prediction is solely based on looking at the data table provided. You **MUST** email me your prediction in order to receive the electronic data table.

Step 2: Complete the Excel (Google Sheets) data table (emailed to you) and create a scatter plot comparing Age at Inauguration (x-value) and how many years they lived after Inauguration (y-value). You must also insert a linear trend line to show the direction the data is going. **DO NOT** forget to label your graph appropriately, this includes, displaying the equation for the trend line.

Step 3: Write a letter to President Trump about your findings. His data is as follows:

Name	Years in Office	Age at Inauguration	Age at Death	Number of Boys	Number of Girls
Trump	2017 -	70	-	2	3

Your letter must include information on the following topics:

Introduction: Background of the lab

Body Paragraph 1: Your findings in regards to number of children and age of death (done in class). MUST include scatter plot.

Body Paragraph 2: Your findings in regards to age at inauguration and years lived after inauguration (done on your own). MUST include scatter plot.

Conclusion: This is where you inform President Trump of what you believe will happen to him. This should be based on your findings (use the trend lines to help you get additional data based on President Trump's information).

This letter to President Trump is to be **PRINTED** in **COLOR** and will be graded as a lab report (worth 50 points).