Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_

Period: \_\_\_\_

**Creating Data Visualizations**

**Part I: Cleaning up the Data**

Now that we have the Spreadsheets we need, we need to clean up the data before we can create a graph.

1. What is your independent variable? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. What is your dependent variable? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. What will you put on the x axis of your graph? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What will you put on the y axis? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   1. Will you need a key or anything else on your graph? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Is there information in the table that you do NOT need to make your graph? \_\_\_\_\_\_\_\_\_\_
   1. If yes, delete these columns on the spreadsheet to get rid of any data you don’t want to include

**Part II: Creating a Graph**

Once you have only the data that you need, we can create a graph of this information

1. Based on your answers to the questions in Part I, what type of graph will you make? Why?

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1. Create this graph in Google sheets. Don’t forget to label axes, provide a title, etc.
2. Share this Google Sheet with your teacher.
3. Present your graph to the class to get feedback.
4. Go back and revise your graph as needed.
5. Based on your graph, how would you answer your original testable question? Explain.

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**Part III: Sharing your Results with a General Audience**

Creating a graph is a great way to visualize large amounts of data, we also need to be able to communicate these findings to a general audience. To do this, we are going to share our data in a creative way.

We will hold our own “DataJam”, in which you will share your graph using a unique or artistic approach. Some options you might consider:

* Making a video/infomercial about your graph
* Turning your graph into art/a picture