CGT 270 Data Visualization Fall 2021
Module 1
Week 4
Lab 4: Filter & Represent

The goal of this lab is to filter and visually represent your **Tableau Training Data**. In this lab you will list two questions you want to answer with your Tableau Training data, filter the data to extract only the data needed to answer the two questions and generate visualizations of the filtered data.

By the end of this lab you should be able to:

Remember	***Describe*** what happens in the **represent** stage.
Understand	***Describe*** what stages are impacted by the **represent** stage and how.
Apply	***Demonstrate*** the ability to use the appropriate visualization tool/chart/layout for the task.
Evaluate	***Determine*** if the data is sufficient or if additional data is needed.
Analysis	***Determine*** if sufficient data is available to visually represent the data.
Create	***Plan, generate, and produce*** insightful visualizations.

You should create two visualizations. For each visualization provide a paragraph to support the visualization. You may use any visualization tool of your choosing. Make sure you use data visualization best practices (See Data Visualization Check list).

Take a screen capture of your visualizations and save each visualization as a separate .jpg file:
LastnameFirstInitial_Fig1.jpg
LastnameFirstInitial_Fig2.jpg

(PNG files WILL NOT be graded)

Upload your supportive paragraphs in this file.

Fig1 Caption:

Which company has the most growth in volume for the stock?
People who are trying to see if the stock is efficient to invest in based on years past.

The volume of the dataset is the number of stock bonds people buy. So, as we can see from the visual there is no one buying the stock from 1966 to 1984. In 1986 people start to invest in this market and it starts to have volume for the company.

- There are some texts in the graph but not all are covered.
- Some colors are similar, so it makes it harder to differentiate.
- Not very friendly for colorblind

Fig2 Caption:

Has the count of business dramatically increased from 1992 until 2016?
People use this to make a report of the business so they can see how the sales for each year go until recently.

This is a straightforward dataset that that shows the number of businesses in each year. The bars show the values of the sales, so it is easier for people to visualize and compare.

- It is a simple bar graph with no other colors to show decreasing and increasing sales in each year.
- The label on the y-axis need to be more clear without a .file in the end.