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:

This highlight table represent the employment change in 2007 and 2013 between Millennials and Baby Boomers. The highlight table best represent this selected data to provide insight on the employment that generations hold in these selected occupations. For an example, the table reveals that Millennials had a great decrease employment in occupations that are labor-intensive focused, such as Architecture (-10.48%), Construction (-19.17%), and Production (-12.74%), while both generations had an increase in social services and health-care related occupations.

Fig2 Caption:

The bar graph represents the employment held by Baby Boomers in 2007 and 2013. The graph reveals the trends between employment in the selected occupations. Baby Boomers tend to have little change in the employment if not a small increase in the selected occupations.