

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

Part I: Filter & Represent Activity Worksheet

Use the following link to complete the Filter & Represent Activity Worksheet

<https://tinyurl.com/Filter-and-Represent-Worksheet>

Your responses will be emailed to you. Save your responses as a PDF file.

You should create a minimum of two visualizations from the same data set (the Tableau data set)

For each visualization provide a paragraph to support the visualization (in a separate file). 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 is a packed bubble chart showing the cumulative sum of each baby name in the US. The red bubbles are for names that are female and the blue bubbles are for names that are male, as labeled in my dataset.

Fig2 Caption:

The first chart is a line graph showing the trends of occurrences of biblical and non-biblical baby names and their change over time in California. The blue line is for names that are non-biblical, and the yellow line is for names that are biblical. The second chart is a pie chart showing the total number of occurrences of biblical names versus non-biblical names.

Add more pages if needed.