

Response Summary:

Filter & Represent Worksheet

Goal: Produce visual representation of the data to address Question 1

Objectives: Students will extract data related to Question 1

Outcomes: Two visual representations of the same data showing different aspects of the data for Question 1

1. Student Information *

First Name	Cristina
Last Name	Pascua
Course (e.g. CGT 270-001)	CGT 270-009
Term (e.g. F2019)	F2021

2. Email Address *

cpascua@purdue.edu

3. Visualization Assignment *

- Training Data

Q16. How many questions have visualizations?

- Two

Q17. Question 1

Which names are the most popular throughout all the years?

Q18. Question 2

What are the most popular names in each state for the most recent year?

Remember

Question 1: *

Which names are the most popular throughout all the years?

Apply

5. Filter the data: Remove any duplicate or any data unrelated to answering your question. Provide a description of the filtered data (what is needed to answer your question). *

I filtered the data by keeping only the 10 names with the highest sum of occurrences throughout the years. I did this because there are hundreds of other names with occurrences not as large as the top 10 names.

Evaluate

6. Next Step: Answer the following questions: *

<i>Do you have enough data? Explain. If no, explain then revisit the Acquire Worksheet.</i>	I do have enough data. The data is collected for both male and female names, for every state, and for 112 years. This gives me many names to sum their occurrences and find which are the most popular.
<i>Do you have the right data to answer Question 1? If yes, explain then proceed. If no, then revisit 'Filter the Data' question. Repeat until this answer is yes.</i>	I do have the right data to answer Question 1. I have the top baby names from each year and their occurrences. I used these to find the most popular baby names over all the years given.

8. View 1 for Question 1 *

[\[Click here\]](#)

9. View 2 for Question 1 *

[\[Click here\]](#)

Remember

Question 2: *

What are the most popular names in each state for the most recent year?

Apply

Q41. Filter the data: Remove any duplicate or any data unrelated to answering your question. Provide a description of the filtered data (what is needed to answer your question). *

I removed every year except the most recent year the dataset records (2012). The filtered data only showed each state twice for the most popular male name and the most popular female name in the year 2012.

Evaluate

Q43. Next Step: Answer the following questions: *

<i>Do you have enough data? Explain. If no, explain then revisit the Acquire Worksheet.</i>	I do have enough data. The data shows two names for every 50 state and their occurrences.
<i>Do you have the right data to answer Question 2? If yes, explain then proceed. If no, then revisit 'Filter the Data' question. Repeat until this answer is yes.</i>	I do have the right data. It shows the most popular name for male and female for each state in the year 2012

Q44. View 1 for Question 2 *

[\[Click here\]](#)

Q45. View 2 for Question 2 *

[\[Click here\]](#)
