

Response Summary:

1. Student Information *

First Name	Adam
Last Name	Abounnaaim
Major	Computer Graphics Technology
Course (e.g. CGT 270-001)	CGT 27000 LAB
Term (e.g. F2019)	S2022

2. Email Address *

(University Email Address is required.)

aabounna@purdue.edu

3. Visualization Assignment *

- Lab Assignment

Q16. How many questions have visualizations?

- Three

Q17. Question 1

Are there any connections between bills of a certain category?

Q18. Question 2

Are any shifts in trend or pattern noticeable over the timeframe of the Congress?

Q19. Question 3

How many bills only made it to the House of Representatives and not the Senate?

Remember

Question 1: *

Are there any connections between bills of a certain category?

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 out any duplicate data from the columns for Bill Number and Description, so as to have every bill be different and unique and not repeating. These columns are the most pertinent to my question, since they allow me to see if any patterns or trends regarding certain bills or group of bills.

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 have enough data to conduct an analysis, since what is important to the analysis is the Bill Number and its Description; with my data having been filtered along those lines now, I am in position to answer my first question based on how the other fields have been affected by my filtering.
<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 because all the bills of the 113th Congress are present, as well as other variables such as Count, Party, and Vote that I can analyze and study to see if a pattern emerges from the data regarding certain types of bills.

8. View 1 for Question 1 *

Please upload a .jpeg file

[\[Click here\]](#)

9. View 1 for Question 2 *

Please upload a .jpeg file

[\[Click here\]](#)

Remember

Question 2: *

Are any shifts in trend or pattern noticeable over the timeframe of the Congress?

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 filtered out duplicates from the Vote Date column, so as to streamline the creation of a line graph to see if any other variables increase over time, such as more people voting Yes or No as the Congress carried forward. I also filtered out duplicates from the description column, to see if any patterns arose regarding that variable and to not have my observations be skewed by duplicate errors.

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 believe that I have enough data to begin observing and analyzing patterns; the most important variable is the Vote Date column, so with that piece of data cleaned, I ought to have enough data to answer the question.
<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 have the right data because the Vote Date column establishes a timeline for the Congress; with it as a baseline independent variable, patterns and trends regarding other variables can begin to be observed and studied throughout the course of the Congress.

Q44. View 1 for Question 2 *

Please upload a .jpeg file

[\[Click here\]](#)

Q45. View 2 for Question 2 *

Please upload a .jpeg file

[\[Click here\]](#)

Remember

Question 3: *

How many bills only made it to the House of Representatives and not the Senate?

Apply

Q49. 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). *

The data I filtered was the Record and Body columns. The body was a binary between either the House of Representatives or the Senate, so I analyzed it with the Record so as to see how many individual bills made it to the Senate or only to the House of Representatives.

Evaluate

Q51. Next Step: Answer the following questions: *

<i>Do you have enough data? Explain. If no, explain then revisit the Acquire Worksheet.</i>	I have enough data since the most important columns for this question are the Record and Body columns, and I have filtered them out.
<i>Do you have the right data to answer Question 3? If yes, explain then proceed. If no, then revisit 'Filter the Data' question. Repeat until this answer is yes.</i>	I believe my data is right since the record is tied to an individual bill, meaning the data should show me a reliable count of how many bills went to the House and how many went beyond to the Senate.

Q52. View 1 for Question 3 *

Please upload a .jpeg file

[\[Click here\]](#)

Q53. View 2 for Question 3 *

Please upload a .jpeg file

[\[Click here\]](#)
