Response Summary:

1. Student Information *

First Name	Rae
Last Name	Fu
Major	Animation and Visual Effects
Course *(e.g. CGT 270-001)*	CGT 270-004
Term *(e.g. F2019)*	S2022

2. Email Address *
(University Email Address is required.)
fu345@purdue.edu

3. Visualization Assignment *
- Lab Assignment

Q16. How many questions have visualizations?
- Three

Q17. Question 1
Is there a correlation between having a shadow and the weather?

Q18. Question 2
How often is there a shadow throughout the years?

Q19. Question 3
Does the temperature have a similar pattern in the northeast and midwest?

Remember

Question 1: *

Is there a correlation between having a shadow and the weather?

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). *
The filtered data is years with data on whether a shadow was seen and the values of the average february and march temperatures, which were then used for the column of average march minus february temperature difference.

Evaluate

6. Next Step: Answer the following questions: *

Do you have enough data? Explain. If no, explain then revisit the Acquire Worksheet.	Yes, because there are many years that have non-null data.
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.	Yes, because the data needed to answer the question is the temperature difference and year.

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: *

How often is there a shadow throughout the years?

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). *
Only the year and Punxsutawney Phil columns are needed.

Evaluate

Q43. Next Step: Answer the following questions: *

Do you have enough data? Explain. If no, explain then revisit the Acquire Worksheet.	Yes, there are many years .
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.	Yes, the data includes the year and whether there was a shadow.

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: *

Does the temperature have a similar pattern in the northeast and midwest?

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 filtered data is year and the average february and march temperatures in the northeast and midwest.

Evaluate

Q51. Next Step: Answer the following questions: *

Do you have enough data? Explain. If no, explain then revisit the Acquire Worksheet.	Yes, there is enough data because there are many years with february and march temperature values in the north east and midwest.
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.	Yes, because to compare the temperatures in the northeast and midwest, the temperature and their corresponding year is needed.

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]