Response Summary:

1. Student Information *

First Name	Connor
Last Name	Colbert
Major	Game Development and Design
Course *(e.g. CGT 270-001)*	CGT 270-003
Term *(e.g. F2019)*	SP2022

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

3. Visualization Assignment *
- Lab Assignment

Analyze

4. Basic Descriptors: for each data component from the Parse Worksheet, identify basic descriptors (basic statistics). Explain *
Year: The year in which the data was gathered/recorded
Punxsutawney Phil: If a record is indicated, it tells if a shadow was seen or not
February Average Temperature: The average temperature across the Northeast and Midwest in February
February Average Temperature (Northeast): The average temperature across the Northeast in February
February Average Temperature (Midwest): The average temperature across the Midwest in February
February Average Temperature (Pennsylvania): The average temperature in Pennsylvania in February
March Average Temperature: The average temperature across the Northeast and Midwest in March
March Average Temperature (Northeast): The average temperature across the Northeast in March
March Average Temperature (Midwest): The average temperature across the Midwest in March
March Average Temperature (Pennsylvania): The average temperature in Pennsylvania in March

5. Categorize: consider what is similar and what is different? Categorize the data. Are the variables categorical (normal, ordinal, or rank). Are they quantitative (discrete or continuous)? Show categories. Explain. *
The data is largely structured by time, output, and temperature. It's almost all continuous, quantitative data.

6. Temporal: is the data streaming data? How is it stored (all at one time, over several years in years, days, minutes, seconds)? Explain. *
It is streaming data as it is stored across many years. For each year, Phil's shadow result is recorded and the average temperature across the months.

7. Range and Distribution: what is the distribution of the data? Few values, small size, evenly spread, sparse or dense? Explain. *
The distribution of the data is not very large. The data is evenly spread and dense. The largest standard deviation for the temperatures was ~5 and the smallest was ~3.

Evaluate

8. Questions and Assumptions: list at least 3 questions you plan to answer with the data or list the questions if they were provided. Must be complete sentences and end in a question mark. What assumptions are you making? *

Question 1	How much more closely does the prediction correlate with Pennsylvania's weather in comparison to other regions?
Question 2	What percentage of the time does Phil correctly predict the seasonal change?
Question 3	Which decade was Phil the most accurate?
Assumptions	I believe there is no real correlation between Phil's response and the seasonal change. There may still be a slight correlation; however, that does not mean there is a direct connection.