Response Summary:

1. Student Information *

First Name	David
Last Name	Luo
Major	Data Science
Course *(e.g. CGT 270-001)*	CGT 270-003
Term *(e.g. F2019)*	S2022

2. Email Address *
(University Email Address is required.)
luo354@purdue.edu

3. Visualization Assignment *
- Lab Assignment

Understand

4. Parse Data: List each field and its data type. Refer to Fry (page 8-9, 2007) for examples of description of different data types (string, float, character, integer), you can also create user defined types (some combination that uniquely identifies data like the Index type in the Fry 2007 page 9 example) *
Year: Int
Punxsutawney Phil: String
February Average Temperature: Float
February Average Temperature (Northeast):Float
February Average Temperature (Midwest):Float
February Average Temperature (Pennsylvania):Float
March Average Temperature March:Float
Average Temperature (Northeast):Float
March Average Temperature (Midwest):Float
March Average Temperature (Pennsylvania):Float

5. Assumptions: List any assumptions you are making about the data and/or the visualization challenge (aka the project) *
March Average Temperature can be used as a measure of successful or failed prediction
Punxsutawney Phil variable refers to Phil seeing the shadow and not the presence of shadow.
Data from before 1895 had no temperature data, these records were removed from the data set.