Project #9. 50 Points.

For this homework

1. This is an assignment where you have complete freedom to do what you want. The best idea is to pick a data set that interests you, weather data, police data, or something else. Try to have fun with picking the data sets and making the visualizations or reports. Try to find something interesting to discover.
2. You can find data at any source that you would like.
3. If you can figure something out, use this web site we went to in Video #21:

   https://data.seattle.gov/

4. Try to find a large CSV File to download. Look for a file that has some data that interests you. Maybe it is Weather Data? Maybe it is Crime Data? Maybe it is Wage Data? Find something that interests you!!
5. Download the CSV file to your computer, or whatever type of data file it may be.
6. You can use either Excel Power Pivot or Power BI Desktop.
7. Create a New Excel or Power BI Desktop file.
8. Import the CSV File and load it to the Data Model.
9. Make transformations like these if it is a Large Data Set (to reduce the Columnar Database size):
   a. Remove columns – you get to decide which ones to keep and which ones to remove.
   b. Filter rows – you get to decide which ones to keep and which ones to remove.
   c. If Possible, reduce the cardinality of the columns to help reduce the size of the columns that are created in the Columnar Database.
10. Create Measures and Relationships (if needed) and visualizations or reports.
11. Upload the finished file / files AND the Original Source Data Files to the Project #9 upload link in Canvas.
12. Criteria for grading:
    a. Did you pick a data set?
    b. Did you import it to Data Model?
    c. Did you use Power Query?
    d. Did you create Measures?
    e. Did you create reports or Visualizations?
    f. Did you have fun discovering information for the data?