Data Components of Final Project

Part 1

<u>*Topic Area Question:*</u>

<u>*More Focused Questions:*</u>

1.

2.

<u>*Testable Question:*</u>

- *Location:*
- *Time Period:*
- *Variables:*

<u>*Prediction/Hypothesis:*</u>

Part 2

<u>*Data Source/Portal (URL):*</u>

<u>*Description of Data Collection Procedures:*</u>

- *What equipment were used to collect the original measurements?*

- *What tools and methods were used to collect the data?*

- *How often are the data collected and recorded?*

Part 3

Data/Question Set-up:

Independent Variable	Background Questions
Dependent Variable(s)	Constants

Description of Data Analysis:

- *How will you review the data for outliers?*

- *What type(s) of data visualization(s) will you use to show the data?*

- *What type(s) of math or statistics will you use to interpret the data?*

Data Visualizations:

Download the data visualization from the data source/portal that you will use to answer the testable question and attach it here.

Part 4

<u>*Data Orientation Questions:*</u>

List out at least three orientation level questions you will include in the lesson to help your students orient to the data and data visualization.

1)

2)

3)

<u>*Data Interpretation Questions:*</u>

List out at least three interpretation level questions you will include in the lesson to help your students interpret the data and data visualization.

1)

2)

3)

<u>*Data Synthesis Questions:*</u>

List out at least three synthesis level questions you will include in the lesson to help your students synthesize the data and data visualization.

1)

2)

3)