

Data Components of Final Project

Part 1

Topic Area Question:

More Focused Questions:

1.

2.

Testable Question:

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

Prediction/Hypothesis:

Part 2

Data Source/Portal (URL):

Description of Data Collection Procedures:

- *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:

<i>Independent Variable</i>	<i>Background Questions</i>
<i>Dependent Variable(s)</i>	<i>Constants</i>

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

Data Orientation Questions:

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)

Data Interpretation Questions:

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)

Data Synthesis Questions:

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)