Response Summary:

Mine Worksheet

Goal: to identify patterns, extreme and subtle features about the data
Objectives: Students will identify basic descriptors for the data, and categorize the data according to the specifications from the Parse Worksheet
Outcomes: Three (3) specific questions to be answered using the data

1. Student Information *

First Name	Gabriel
Last Name	Doria
Major	Animation and Visual Effects
Course *(e.g. CGT 270-001)*	CGT270-008
Term *(e.g. F2019)*	F2022

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

3. Visualization Assignment *
- Final Project

Analyze

4. Basic Descriptors: for each data component from the Parse Worksheet, identify basic descriptors (basic statistics). Explain *
For our data on non fatal, fatal, NCHS Data we used Mean, Median, and Mode as our basic descriptions.

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. *

Rate of overdose deaths by state and drug or drug class - Rank, Continuous
Percentages of overdose deaths involving select drugs and drug classes - Rank, Discrete
Percentage of overdose deaths involving the most common opioids and stimulants alone or in combination - Rank, Continuous
Distribution of overdose deaths by opioid and stimulant involvement - Rank Continuous/Discrete
How many drug overdose deaths occurred each month in 2020? - Rank, Continuous
Who died of a drug overdose in 2020? By Sex - Rank, Continuous/Discrete
Who died of a drug overdose in 2020? By Race/Ethnicity - Rank, Continuous/Discrete
Who died of a drug overdose in 2020? By Age (In Years) - Rank, Continuous/Discrete
Who died of a drug overdose in 2020? By Age and Sex - Rank, Continuous/Discrete
Potential opportunities for intervention - Rank, Continuous/Discrete
Additional circumstances surrounding overdose deaths - Rank, Continuous/Discrete
State - Ordinal, Discrete
Geo - Ordinal, Discrete
Start Year - Rank , Discrete
End Year - Rank , Discrete
Start Month - Rank , Discrete
End Month - Rank , Discrete
All Percent Change - Rank, Discrete
Opioid Percent Change - Rank, Discrete
Heroin Percent Change - Rank, Discrete
Stimulant Percent Change - Rank, Discrete
All LS Significant - Ordinal, Discrete
Opioid LS Significant - Ordinal, Discrete
Heroin Ls Significant - Ordinal, Discrete
Stimulant LS Significant - Ordinal, Discrete
All Significance - Ordinal, Discrete
Opioid Significance - Ordinal, Discrete
Heroin Significance - Ordinal, Discrete
Stimulant Significant - Ordinal, Discrete
Gender - Ordinal, Discrete
Age Range - Rank, Continuous
Jurisdiction Count - Rank, Continuous
Comparison Type - Rank, Continuous
Year - Rank, Discrete
Number - Rank, Continuous
Deaths per 100,000 -Rank, Continuous
Sex - Ordinal, Discrete
Age Group - Rank, Continuous
Race and Hispanic Origin - Ordinal, Discrete
Opioid Type - Rank, Continuous
Stimulant Type - Rank, Continuous
The data represented through these variables are either ordinal or rank. This is because no normal data is shown. The data is also shown to have both quantitative data which is continuous and or discrete. Some data has both because they involve ranges and unlimited amount.

6. Temporal: is the data streaming data? How is it stored (all at one time, over several years in years, days, minutes, seconds)? Explain. *

There is no streaming data. They are not collecting the data continuously.

7. Range and Distribution: what is the distribution of the data? Few values, small size, evenly spread, sparse or dense? Explain. *

The data is dense. The reason why is there is so much data to support the many variables we have.

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	What are the main causes of the opioid epidemic?
Question 2	Why are specific groups more targeted than others from the opioid epidemic?
Question 3	How are efforts being made to resolve the epidemic?
Assumptions	The data source are trustworthy The non fatal data probably doesn't take legalized drugs into consideration.