

Response Summary:

1. Student Information *

First Name	Grace
Last Name	Combs
Major	Web Development
Course (e.g. CGT 270-001)	CGT 270-003
Term (e.g. F2019)	S2022

2. Email Address *

(University Email Address is required.)

gcombs@purdue.edu

3. Visualization Assignment *

- Lab Assignment

Generate

4. Identify appropriate data sources: is the data publicly available? What search methods were used? *

Data source 1	Titanic Information, publicly available, found through Tableau, data most likely retrieved through historical records. https://public.tableau.com/en-us/s/resources?qt-overview_resources=1#qt-overview_resources
Data source 2	N/A
Data source 3	N/A

5. Data format: what format is the data in? Structured vs instructed? All text, a combination, multiple sources? Is it primary or secondary data? *

The data is structured in a spreadsheet with alphabetical order for names. It is secondary data because it is a collection of information gathered from other sources, such as the destinations of the passengers and their cabin numbers, this information must have been gathered from other sources.

6. Data types: what types of data are in the data? How are they stored? What is the access to the data (API, JSON, txt, csv, etc.)? What structure holds the data (data base, spreadsheet, etc.)? *

It is text (strings), floats, and integers. It is stored in a spreadsheet that is a csv file type.

Evaluate

7. Variables: list the data variables? What are the parameters? Give them names. What are the dependent variables and independent variables? *

Pclass(0-1), survived or not(0-1), name(all letters), sex(male/female), age(all numbers), siblings/spouse(0-1), parent/child(0-1), ticket(numbers & letters), fare(all numbers), cabin(numbers & letters), embarked(s or c), boat(number), body(number), home destination(all letters).

Dependent variables: Pclass, boat, body

Independent variables: Fare, survived, name, sex, age, sibsp, parch, ticket, cabin, embarked, home destination

8. Audience & Assumptions: list any assumptions you have about the data. Who is your audience? *

I assume that higher class people have more expensive tickets, survivors have a boat assigned, and non-survivors have a body # assigned. My audience are those who want to learn more about the Titanic disaster, possibly students or people interested in history that are not instructors or professionals.

Generate

9. What real life behavior does the data reflect? Does it show patterns of activity, regularity of events, a timeline, population data, etc? Explain. *

It shows patterns of survivors correlated with life boats. It displays population data relative to the Titanic population and how many survivors there were.

11. What are the weaknesses of the data source? Is it likely that the source will be available in the future? Is the data complete? What is the quality of the data? Is it specific to your needs for the current project? Is the data in the format you need? Are there missing data? Explain. *

This data is likely to be available in the future because it is historic. The data has some missing which is its main weakness. The data covers my needs for the current project and is in a good format.

12. What information is emphasized? What is the central focus of the data? Explain. *

The central focus is providing information for each passenger of the Titanic, so the most emphasized information is their name and then associated data about them

13. At what level of granularity is the data provided? Is the data summarized, or do you have access to the raw data? Is the data categorized or is the data in a format that allows you to create your own categories, etc. Explain. *

The data is categorized raw data.

14. What is the scope of the data? What topics can be covered using the data? Is there a time range/frame? Is the data for a specific area/discipline/demographic etc.? Explain. *

Topics of wealth, death, family, age, and sex are covered. There is no time range/frame included in the data. The data is specifically for the population that was on the Titanic the night it sank
