In Class Activity

Graphs and Descriptive Statistics

Group Member Names: _____

Summarizing a Data Set

1. Each member of your group was given a set of data about a random sample of passengers from the Titanic disaster. Discuss the term "random sample." How was this sample likely obtained?

2. Discuss the different data columns. What type of data is in each column?

3. You may have blank values under the Age column. Why do you think that may have happened? You may have decimal values in the Age column. What does that mean?

4. In previous classes, you have probably learned how to create graphs and find numbers to describe a data set. Plan together with your group how to summarize your data sets, and explain why your choices are good ones. Include both numeric and graphical summaries.

5. Summarize your own data set using the plan you made with your group. (Table, graph, etc.)

6. Compare your summary to those of your group and the class as a whole. List at least two similarities and two differences. Explain why these similarities and differences occur.

7. How would your summary change if you were asked the question "Were the women in *your sample* more likely to survive than the men?" What about "Were the women *on the Titanic* more likely to survive than the men?"

RECAP OF LEARNING OUTCOMES

A. Types of data
B. Graphical summaries of data
C. Numerical summaries of data

First, individually summarize your understanding of these three learning outcomes referencing the in-class activities you have used today. Then, discuss with your group and write a summary of the group's understanding.

- **Individual Summary**:

- **Group Summary**: