

Name_____

Date_____

LAB 2F: The Titanic Shuffle Response Sheet

Directions: Record your responses to the lab questions in the spaces provided.

Previously ...

The Titanic

- Based on the plot, do you believe that passengers who paid a higher fare on the Titanic were more likely to survive? Explain why and describe how certain you are of being correct.

The search begins!

- Based on the distribution of fares paid, which numerical summary might be preferred to describe the typical value?
- What was the *typical* fare paid by survivors? Non-survivors? How much more did the typical survivor pay?

Do the shuffle!

Put your simulations to use

- Using your shuffled data, answer the research question we posed at the beginning of the lab.
Is there evidence to suggest that those who survived paid a higher fare than those who died?
- Write up your answer as a statistical analysis. Create a plot and explain how the plot supports your conclusion. Be sure to also explain why shuffling your data is important.

Date_____

Comparing Mean Fares

- LRS_2F* | 2