

Name: _____

Date: _____

Lab 2E: The Horror Movie Shuffle *Response Sheet*

Let's compare...

- How many people survived, in total, the slasher film before shuffling? How many people survived after shuffling?

- How has shuffling our data changed the proportion of women who survived compared to men who survived?

- Is the difference in proportions from your shuffled data larger or smaller than the difference from the original data? Interpret what this means.

- Explain why shuffling our data one time is not enough to decide if the difference seen in our *actual* data occurs by chance or not.

Detecting differences

- View your shuffled data and explain what the rows and each column represents.

- For the first row of shuffled data in the shuffles, what is the difference between proportion of females who survived and the proportion of males who survived?

Name: _____

Date: _____

Lab 2E: The Horror Movie Shuffle *Response Sheet*

Time to decide

- What was the typical difference in proportions between men and women survivors?
- Locate the value of the *actual* difference in the plot. Does the actual difference occur very often by chance alone?
- Does gender play a role in whether or not a character will survive in a horror film? Explain your reasoning.
- If you wanted to survive in a horror film, would you want to play a female character or a male character?

On your own

- Does shuffling the gender variable instead of the survival variable change your answer to the question “*Does gender play a role in whether or not a character will survive in a horror film??*”
- Why or why not?