Name		Da	ate
		rror Movie Shuffle nse Sheet	
Directions: Record yo	our responses to the lab question	ons in the spaces provided	
Playing with permu	tations		
	variables and observations ar ne variables?	re contained in the data a	nd what are the possible
	der had more survivors? Write usion. Be sure to look at both		
percentage	ne difference between the per of males who survived. Is the e more often than men?		
Tally whoa ! • The last que Why?	estion on the previous slide c	an be answered using th	e line of code below.

Examining differences

Do the shuffle!

Let's compare ...

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

Name		Date
	LAB 2E: The Horror Movie Shuffle	

Response Sheet
 How has shuffling our data changed the percentage of women who survived compared to men who survived?
 Is the difference in percentages 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 In how many simulations did a higher percentage of males survive than females?
What is the largest difference in percentages of survival between males and females?
What patterns are emerging from these simulations?
Now what?
Time to decide
What was the typical difference in percentages between men and women survivors?
Does the actual difference occur very often by chance alone?
Does the actual difference occur very often by chance alone?

Name	Date

LAB 2E: The Horror Movie Shuffle Response Sheet

- 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?

Summary

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??
 - O Why or why not?