

Name: _____

Date: _____

Lab 2I: R's Normal Distribution Alphabet *Response Sheet*

On your own

- Were women on the Titanic typically younger than men?
 - Use a histogram, 500 random shuffles, and a normal model to justify your answer.

- Using 500 random shuffles and a normal model, how much taller would the typical male have to be than the typical female in order for the difference to be in the upper 1% by chance alone?

- How can we use this value to justify the claim that the average Male in our data is taller than the average Female?