Name_____ Date_____

LAB 2H: Eyeballing Normal
Response Sheet

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

What's normal?

The normal distribution

The mean and sd of it

- **Which part of the normal curve changes when the value of the `mean` changes?**

- **Which part of the normal curve changes when the value of the `sd` changes?**

Finding normal distributions

- **Think about the `height` and `weight` variables. Based on what you know about these variables, which of the variables do you think have distributions that will look like the normal distribution?**

    - **Make histograms of these variables. Which ones look like the normal distribution?**

Using normal models

On your own

- **For each of the following, determine which, if any, appear to be normally distributed. Explain your reasoning:**

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- **The difference in `percentages` between male and female survivors in a slasher film for 500 random shuffles.**

- **The difference in `median` fares between survivors and non-survivors on the Titanic for 500 random shuffles.**

- **The difference in `mean` fares between survivors and non-survivors on the Titanic for 500 random shuffles.**