

## Lab 2H: Eyeballing Normal

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:
  - 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 median fares between survivors and non-survivors on the Titanic for 500 random shuffles.