

Name: _____

Date: _____

Lab 2H: Eyeballing Normal Response Sheet

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

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

- 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?

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On your own

- For each of the following, determine which, if any, appear to be normally distributed. Explain your reasoning:
 - The weight of people in our cdc data, faceted by gender.

 - The difference in mean weights between Males and Females for 500 random shuffles.

 - The difference in median weights between Males and Females for 500 random shuffles.