

Lab 2I: R's Normal Distribution Alphabet

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

Where we're headed

Get set up

Is it normal?

- Is the distribution close to normal? Explain how you determined this. Describe the center and spread of the distribution.
- Compute the mean difference in the age of the *actual* survivors and the actual non-survivors.

Using the normal model

- Draw a sketch of a normal curve. Label the mean age difference, based on your shuffles, and the actual age difference of survivors minus non-survivors from the actual data. Then, shade in the area, under normal the curve, that is *smaller* than the actual difference.

Extreme probabilities

Simulating normal draws

P's and Q's

On your own

- [illegible]