

# Probability, matrices, and the apply() function cont.

Brian Kissmer

USU Department of Biology

Sept. 5th, 2024

# Today's outline

1. Course laptops (finally)
2. Work on handout

# Course laptops

Come get the laptop associated with your A-number if needed. This will be your responsibility for the semester, treat it well.

# Learning objectives

1. Understand how computers produce seemingly random data
2. Learn about various probability distributions
3. Understand what matrices are in R
4. Learn how to use the apply() function

# Terminal

A handful of folks had questions about the terminal in RStudio, and its differences from the RStudio console, so let's take a second to talk about it.

## PMF and CDF

Similarly, let's go through a better explanation of these terms than was provided on Tuesday to help you get through today's worksheet.

Check out the handout I posted on PMF and CDF on our website

## Today's exercise

1. Head to the handout for today on the course website.
2. Work on the four tasks with your group, post your code and answers to the 'Probability worksheet' discussion on Canvas.
3. This will be graded for completion, not quality or correctness. Be sure to submit your answers by the end of class.