Computational Approaches to Biology (BIOL 3070)

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Learning objectives

1. Get to know the R interface and basic commands
2. Learn about variables, functions, vectors, logic, and missing data

Today's outline

1. General housekeeping items
2. Live coding demonstration
3. Quiz exercise (non-graded)

Course laptops/R installation

1. ~55 students and ~35 laptops
    a. If anyone has R (or can get it easily) and a decent computer, we can locally install the needed packages
    b. Will post a copy/paste tutorial to do so

Office hours

1. Monday, 12:30-3:30pm
2. Will post announcement with location
3. Good place to install course packages if you want to

Assigned seats

1. Randomized assigned seating starting next week
2. Groups will be mostly even
3. You'll probably make new friends

R learning resources

1. `swirl()` Package in R
2. Data Carpentry
    a. https://datacarpentry.org/R-genomics/index.html
3. Learning R: A Step-by-Step Function Guide to Data Analysis (Richard Cotton, 2013)

Introduction to R

Find the handout via the course schedule. If you have R on your laptop, open so you can enter the commands as we go. If not, just follow along with the handout.

Practice quiz

Head to the Quizizz link on the schedule for today and get ready to answer some questions about what you learned!