

Labs

Lab 1

Introduction to R and RStudio

Introduction to R and Posit Cloud, focusing on basic calculations, functions, and understanding R's console output.

Lab 1

Lab 2

Workflow and Data Types

Working with data frames in R using the palmerpenguins dataset to practice data inspection, data types, and simple summaries.

Lab 2

Lab 3

Importing Data

Reading external data into R, with emphasis on file structure, missing values, and correct specification of categorical variables.

Lab 3

Lab 4

Graphing with ggplot

An introduction to creating scatterplots in R using ggplot2 and a layered approach to graphing.

Lab 4

Lab 5

ggplot2 Visualization Challenge

An introduction to creating scatterplots in R using ggplot2 and a layered approach to graphing.

Lab 5

Lab 6

Describing Data with Summary Statistics

Using descriptive statistics and graphs to summarize, compare, and interpret biological data.

Lab 6

Lab 7

Analyzing proportions

Lab 7

Lab 8

Transforming Data

Lab 8

Lab 9

Transforming Data

Lab 9

Lab 10

t-tests

Lab 10