



WORKSHOPS

Learn practical data analysis skills

The Carpentries

FALL
2025



Open to students and non-students. Registration required.

All participants need to register with IMCI to attend. For more information and to register please email your name and affiliation (department and institution) to jvanleuven@uidaho.edu

Students taking the workshops for academic credit MUST register via the [U of I course schedule](#)

A limited number of in person seats will be offered. An online option will also be available.

Workshop 1:

Shell, Git, and R for Scientific Reproducibility

BCB 5240-01 (CRN 48643)

October 14 - 30, T/Th, 3 - 5:30 pm

This hands-on workshop will cover basic concepts and tools, including program design, version control, data management, and task automation in Unix, GitHub, and R.

No prior experience is required.

Day 1 - Introductions, overview of workshop goals, starting with command line

Day 2 - Command line basics: why and common commands

Day 3 - Loops, pipes, and scripts

Day 4 - Git

Day 5 - RStudio for project management, R basics

Day 6 - Import, export, and plotting

Workshop 2:

Data Visualization in R

BCB 5240-02 (CRN 48644)

November 4 - 20, T/Th, 3 - 5:30 pm

This hands-on workshop will cover the use of the R programming language for visualizing complex data and making data-rich figures.

No prior experience in R is required.

Day 1 - Introductions, graphical theory, programming languages for plotting

Day 2 - RStudio for project management, R basics

Day 3 - Data import, data structure

Day 4 - Data frame summarization and manipulation in dplyr

Day 5 - ggplot vs. base plotting

Day 6 - ggplot



IMCI

The Carpentries is an international community of learners and instructors dedicated to the importance of software and data in research. Learn more at www.carpentries.org