

R Workshop Day 1

Warmup

- Introductions
- What is your main goal for this workshop?
- What type of data analysis are you most interested in?

RStudio basics

- What are R and RStudio?¹
- Why might one use RStudio over something like Excel or SPSS?²
- Logging in to the RStudio server.³
- Type `library(hanoverbase)` in the “console” window and press Enter. We will talk about what this does later.
- The different sections and panes in RStudio.⁴
- Using the console, including help and history⁵
- Basic arithmetic and use of scientific notation in RStudio.⁶
- Assigning to variables.⁷
- Working with vectors/sequences.⁸
- Quickly entering some data using `scan()`.⁹
- Basic statistics for a vector¹⁰
- Basic graphs for a vector¹¹

Analyzing some data

- Packages¹²
- Loading data from CSV¹³
- Your Rstudio workspace vs your computer¹⁴
- Loading built-in datasets with `data()`¹⁵
- Loading data from Excel.¹⁶

¹ [../morsels/whatAreRAndRStudio.html](#)

² [../morsels/whyRStudio.html](#)

³ [../morsels/loggingToRStudio.html](#)

⁴ [../morsels/RStudioSections.html](#)

⁵ [../morsels/WorkingWithConsole.html](#)

⁶ [../morsels/arithmetic.html](#)

⁷ [../morsels/variableAssignment.html](#)

⁸ [../morsels/vectors.html](#)

⁹ [../morsels/usingScan.html](#)

¹⁰ [../morsels/basicStatisticsVector.html](#)

¹¹ [../morsels/basicGraphsVector.html](#)

¹² [../morsels/packagesAsToolboxes.html](#)

¹³ [../morsels/loadingDataCSV.html](#)

¹⁴ [../morsels/workspaceVsComputer.html](#)

¹⁵ [../morsels/builtInDataSets.html](#)

¹⁶ [../morsels/loadingExcel.html](#)

- Viewing a loaded dataset¹⁷
- Basic statistics for variables in dataset¹⁸

¹⁷ [../morsels/viewCommand.html](#)

¹⁸ [../morsels/basicStatisticsDataset.html](#)