Computational Bootcamp 2: Intro to R

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August 15, 2023

What We'll Be Covering Overall

- Software installation, file management
- **2** Basics of R: data structures, writing code, creating objects, packages
- **3** R: working with datasets
- More R: data cleaning, visualization
- **6** LaTex: producing documents with Markdown and Overleaf

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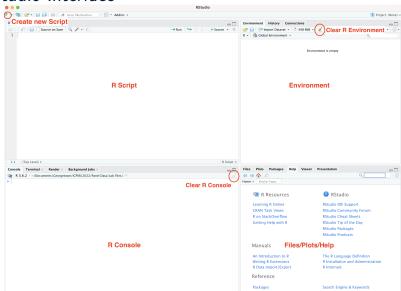
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- Most data contains at least numeric information and character information. That is why we don't usually use matrices.

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- Example
 - Inspect R's built-in dataset, mtcars

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values <- c(a,b)
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- Functions are recognizable because they end in (). Example: command(object, other arguments)
- Documentation for functions can be easily accessed by prefacing the function name with? and dropping the (). The documentation typically includes a description, a list of the arguments, references, a list of related functions, and examples. The examples are incredibly useful. Example: ?mean

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 - It is a good idea to include library() statements at the top of scripts for each package used in the script. This way it is obvious at the top of the script which packages are necessary.