intro_to_R

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3/29/2019

Welcome to R! The first thing you should do is click the button above that says "Knit". This will make reading this document easier.

R is a free software that scientists and other researchers use for understanding data that they collect. They use it for mathematical analyses, like statistics, and visualizations, like charts or graphs. It is "open-source", which means that you can see what's "under the hood" and people across the world are able to contribute to it to make it better.

The program that we're working in is called R Studio. This is a special version of R in which we can see all of our tools in front of us.

- The top left box is the script - this is where we write our code.
- The bottom left box is the console - this is where R reads our code and gives us output.
- The top right box has a list of all of the "objects" that we create in R (we'll come back to that later)
- The bottom right box shows us our files, plots, packages, the help menu, and the Viewer tab to look at internet content.

Packages section: note warning messages and when students can ignore them

Data importing: note red text that comes up with read_csv

Columns with $

Manipulating data: filter for specific values

Visualizing data