R AND RSTUDIO

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RStudio

RStudio provides an environment where we can edit new R scripts or load existing R scripts and run them.

Starting RStudio

We will be using a cloud version of RStudio, available at

https://binder.constellate.org/v2/gh/jmh5ad/R_for_Digital_Humanities/master?urlpath=rstudio

The RStudio Environment

Getting to know the Environment

Workspace Pane: You can view values in memory.

Console Pane: You can type R commands at the console prompt ">".
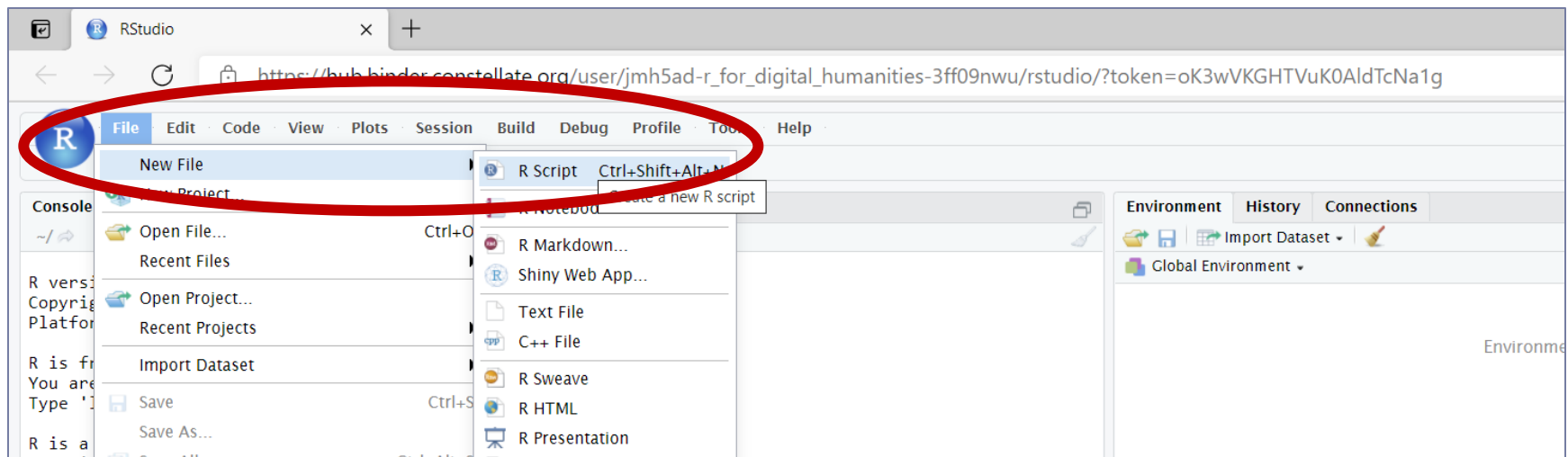
Multipurpose Pane: You have views of files, plots, and a Help menu.

Editing a Script

Although you can type commands directly at the Console prompt, you will more likely want to put the commands in a script, so that you can reuse the commands.
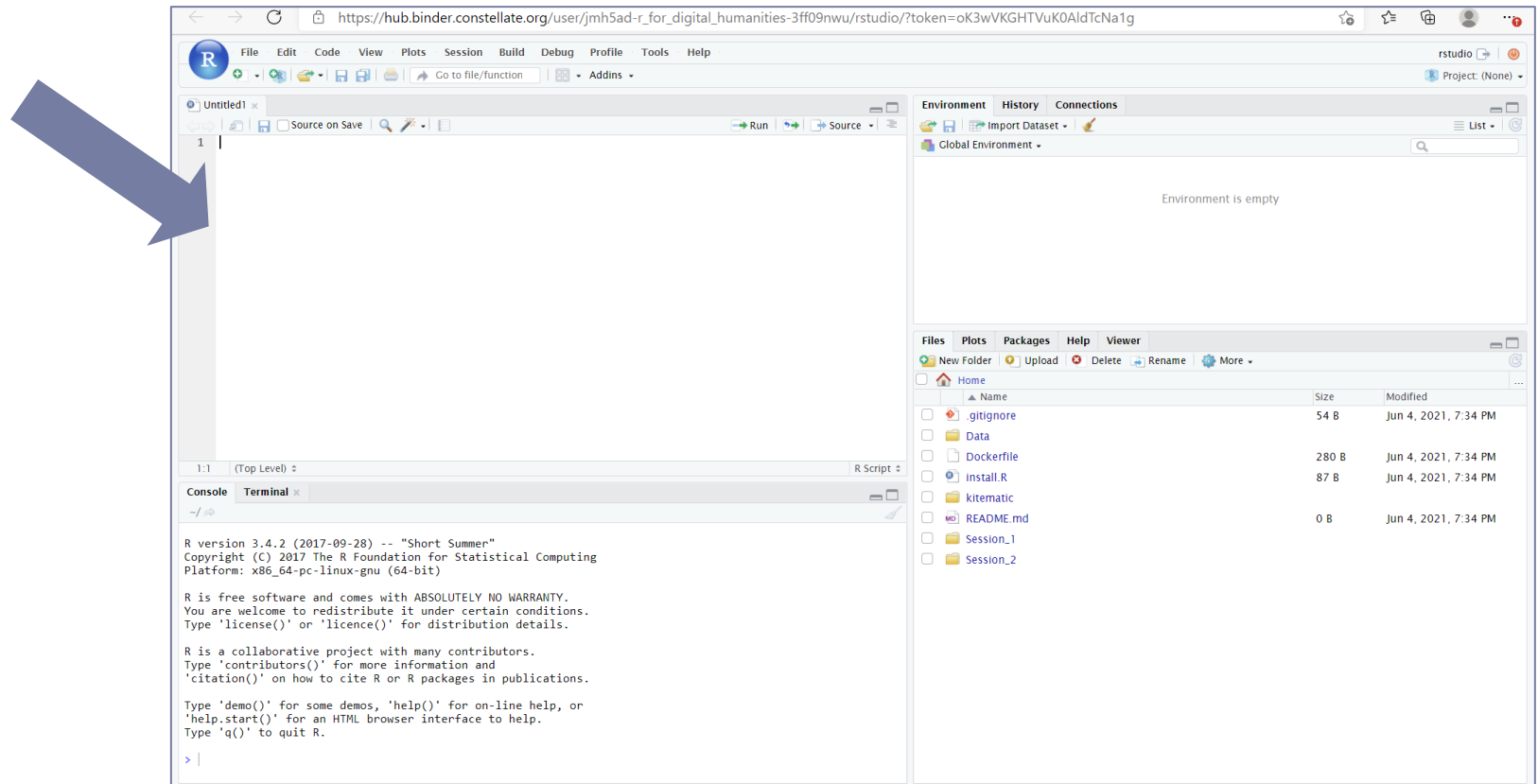
Creating a New Script

- To create a new script, click on
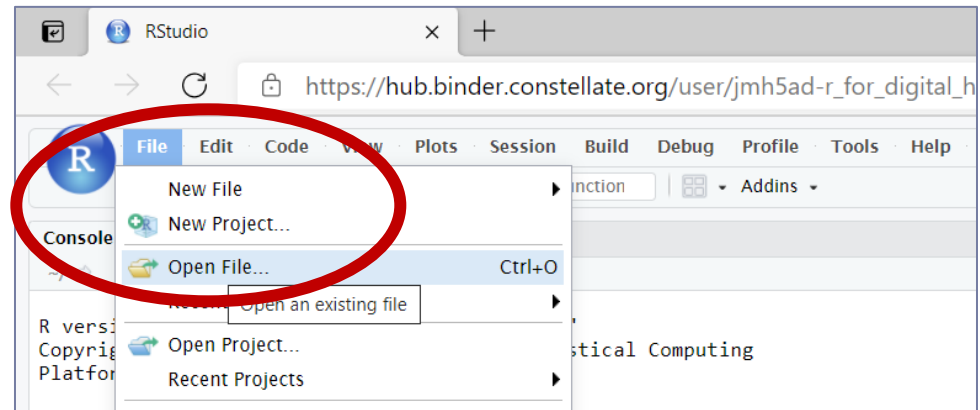File > New File > R Script.

The Edit Pane

- The Console pane will split in half, creating a pane for editing.
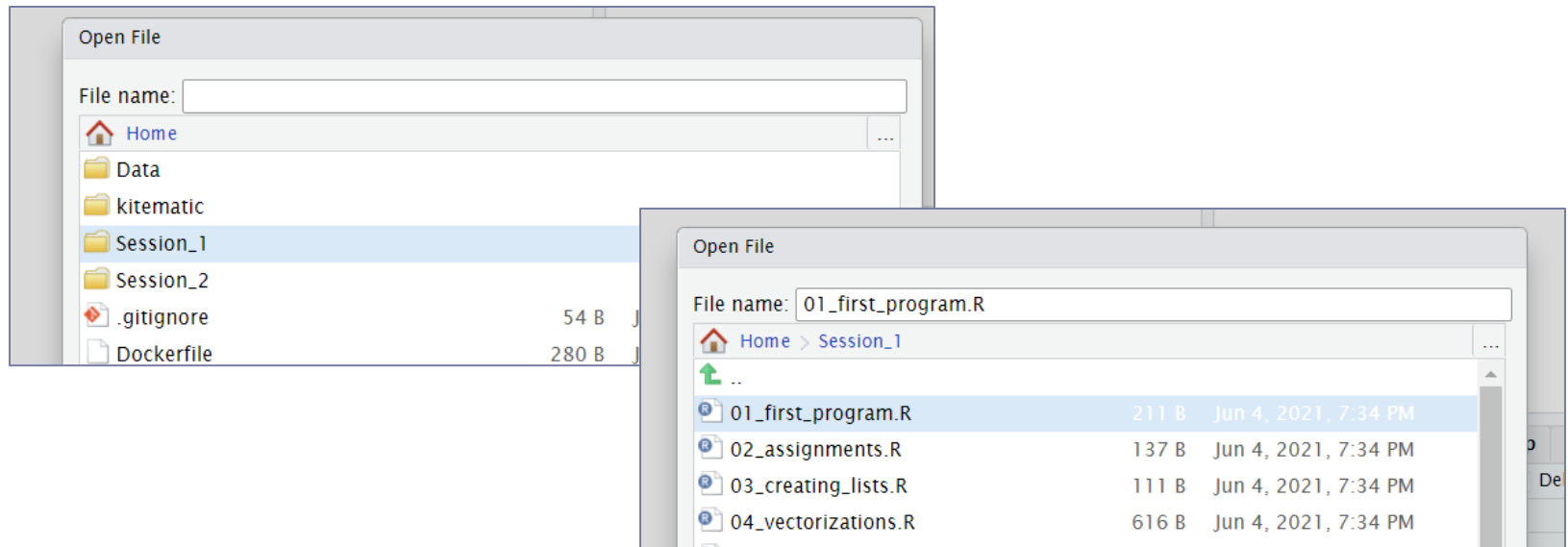
Opening an Existing Script

- To open an existing script, click on File > Open File

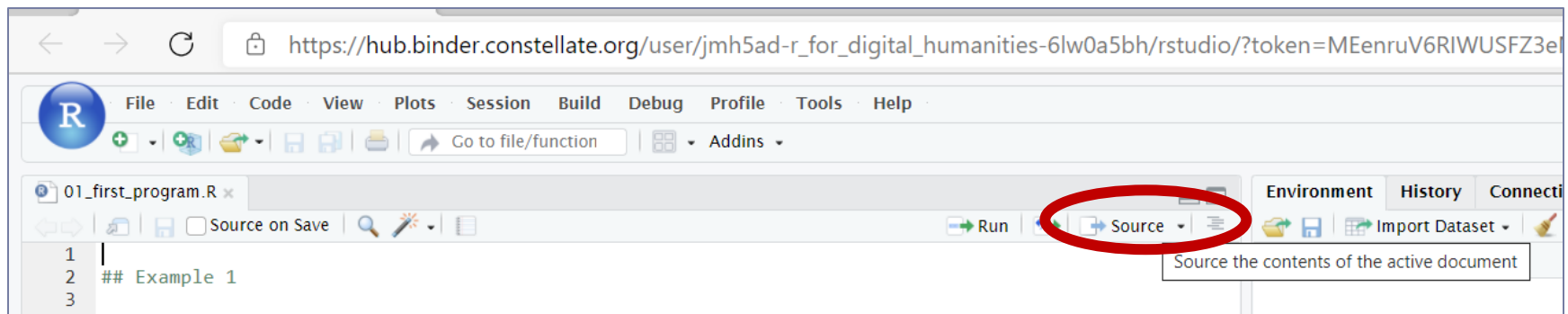Then, using the browser, locate and double click on the name of the script file.

Today's Files

- We will be working with the files in the "Session 1" folder.

- Go ahead and double-click on "Session 1" and then on "01_first_program.R".
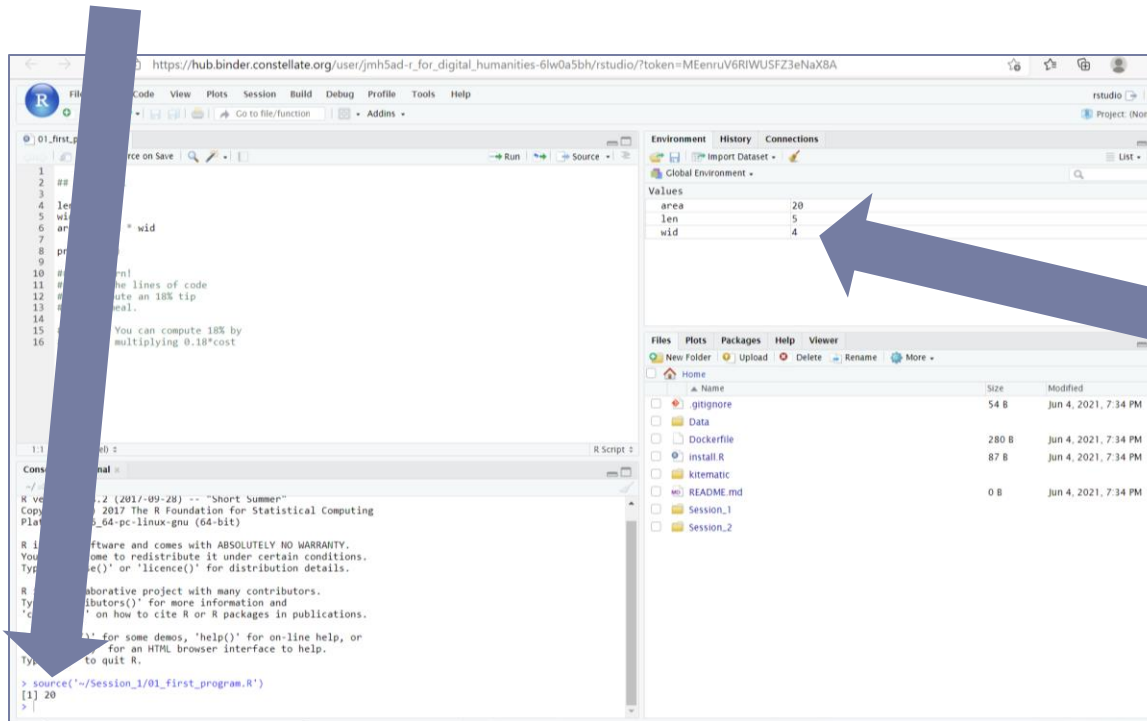
Running R Programs

- After typing in a script (or opening an existing script), you can run the script by clicking on the word Source in the upper right corner of the Editing pane.

- Any results which are printed to the screen are placed in the console window of Rstudio.

Note: Any values placed in memory would be displayed in the Workspace window.

Summary

RStudio provides an environment where we can load, edit, and run R scripts.