

## Installing R and RStudio

*These instructions were updated on August 1, 2023 by Ari Anisfeld*

In this document, we walk through steps to install R and RStudio Desktop. R is a programming language and RStudio Desktop is an application, like Microsoft Word, that makes it easier to write and run R code.

***If these instructions are no longer current, install the latest version of R and RStudio that your computer can run. Please let us know if anything is broken!***

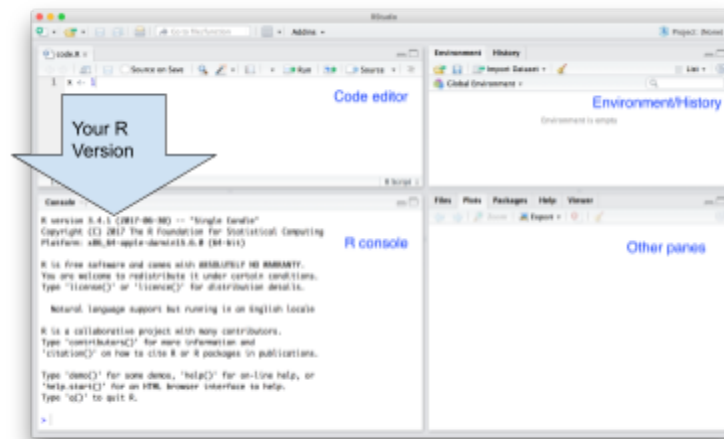
## Windows

### To Install R

1. Open an internet browser and go to <https://cloud.r-project.org/>
2. Click on the "Download R for Windows" link at the top of the page.
3. Click on the link "base".
4. Click on "Download R-4.3.1 for Windows". (Or whatever the latest version is!)
5. Save the .exe file on your computer, then double-click it to install R.

### To Install RStudio Desktop

1. Go to <https://posit.co/download/rstudio-desktop/#download> and click on the "Download RStudio Desktop for Windows" button.
2. Save the .exe file on your computer, then double-click it to open.
3. Open RStudio, you should see

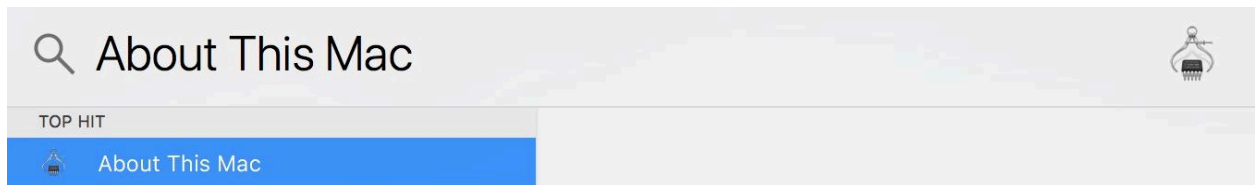


4. In the R console try some R code: e.g. type `4 + 4` and hit enter.

## Mac

The installation depends on the version of Mac OS you are running and the type of processor / chip you have (Intel vs Apple M series).

2. If you are unsure about your processor and version, open “About This Mac”



3. You'll see your version number and OS X name at the top of the window and the processor/chip type (e.g. Intel or Apple M1 / arm64) is listed among other specs for your machine.



The most recent version of R requires Mac OS 11 or higher. The latest versions of Rstudio require Mac OS 11 or higher. If your computer can handle a system upgrade, we recommend it.

## To Install R

1. Open an internet browser and go to <https://cloud.r-project.org/>.
2. Click on the "Download R for (Mac) OS X" link at the top of the page.
3. Download a .pkg file that matches your computer's processor and Mac OS X version.
  - i. Pick the latest version of R that your machine will support. For example, in August 2023, we have:

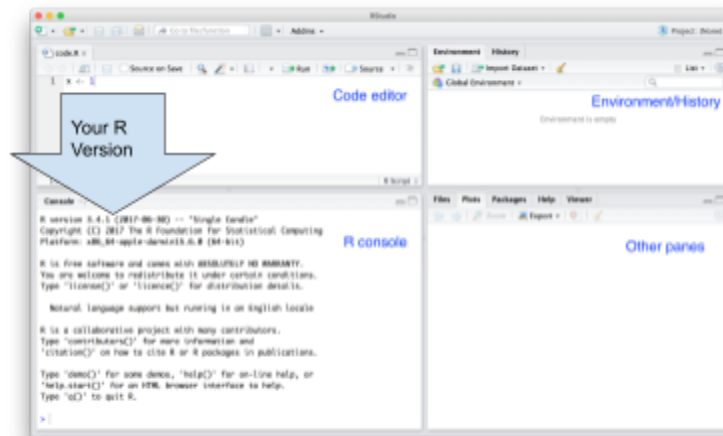
Mac OS Version	Chip	R version
10.13 or greater	Intel	4.3.1 (R-4.3.1.pkg)
11.0 or greater	Apple M1	4.3.1 (R-4.3.1-arm64.pkg)

For earlier versions, look for the latest version of R available.

4. Double-click the .pkg file you downloaded to open it, and follow the installation instructions. (macOS Ventura users: there is a known bug in Ventura preventing installations from some locations without a prompt. If the installation fails, move the downloaded file away from the *Downloads* folder (e.g., to your home or Desktop)
5. Now that R is installed, you need to download and install RStudio.

## To Install RStudio Desktop

5. In August 2023, if you have Mac OS 11 or higher.
  - i. Go to <https://posit.co/download/rstudio-desktop/#download> and click on the "Download RStudio Desktop for Mac" button
  - ii. Save the .dmg file on your computer, double-click it to open, and then drag and drop it to your applications folder.
6. If you have an earlier version of Mac OS X
  - i. Go to <https://www.rstudio.com/products/rstudio/older-versions/>.
  - ii. Click on the "installer" for the correct version. Save the .dmg file on your computer, double-click it to open, and then drag and drop it to your applications folder.
  - iii. Open RStudio, you should see



7. In the R console try some R code: e.g. type `4 + 4` and hit enter.