

Download R & RStudio

These instructions have been adapted from documentation from Dr. Allison Horst's ESM 206 course at UCSB's Bren School for Environmental Science & Management and R-Ladies Santa Barbara

Step 1. Get R

Visit <https://www.r-project.org/> to learn more about R. You'll see some active links to download R, but first you'll need to choose a CRAN (Comprehensive R Archive Network) mirror. You can think of a CRAN mirror as a local grocery store for all-things-R, which is part of a bigger store chain -- you usually want to pick one that's close by. We recommend using the Oregon State University CRAN. So...

- Go to the OSU CRAN hub at the following URL (you can also link to the CRAN options from the r-project site above): <https://ftp.osuosl.org/pub/cran/>
- Choose the correct "Download R for..." option from the top (Mac or Windows), then...
 - For Mac users, select the appropriate version for your operating system, then choose to Save or Open
 - For PC users, choose "Install R for the first time" (next to the *base* subdirectory) and then "Download R [version #] for Windows"
- Once downloaded, save, open once downloaded, agree to license, and install like you would any other software. If it installs, you should be able to find the R icon in your applications:



Step 2. Get RStudio

RStudio is a user-friendly interface for working with R. That means you **must have R already installed** for RStudio to work. Make sure you've successfully installed R in **Step 1** before getting RStudio. Then...

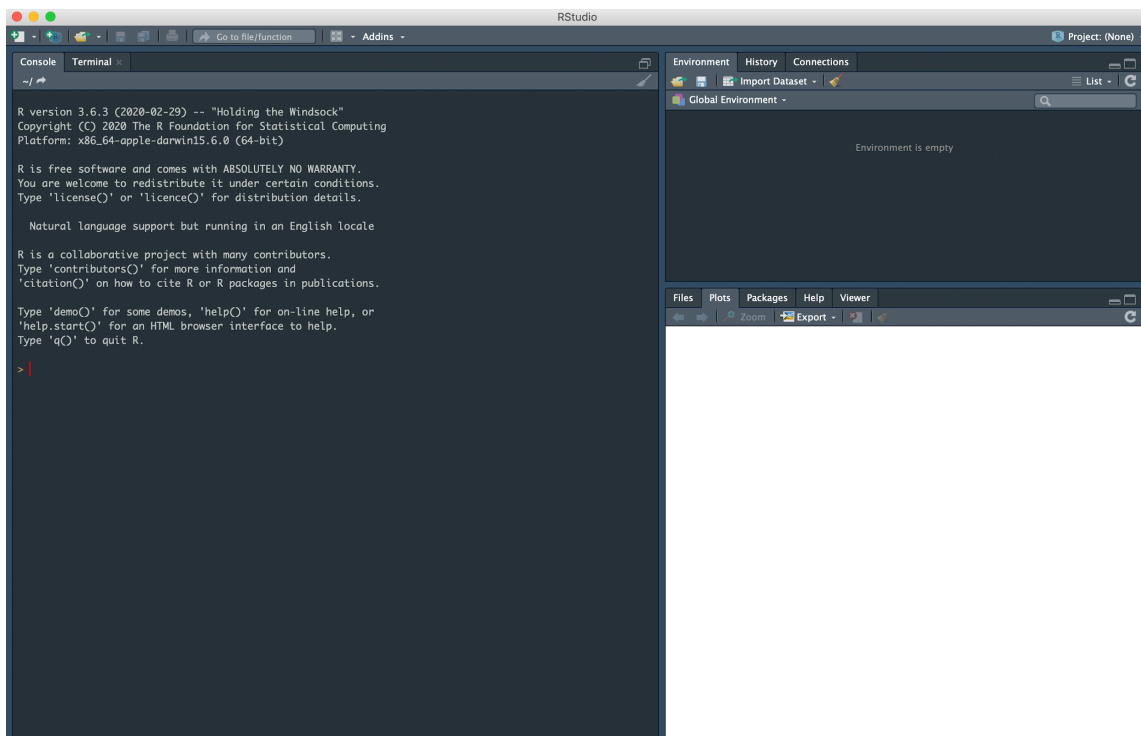
- Go to <https://rstudio.com/products/rstudio/download/> to download RStudio Desktop (Open Source License). You'll know you're clicking the right one because it says "FREE" right above it.
- Click download, which takes you just down the page to where you can select the correct version under **Installers for Supported Platforms** (almost everyone will choose one of the first two options, RStudio for Windows or Mac OS X).
- Click on the correct installer version, save, open once downloaded, agree to license and install like you would any other software

Step 3. Open RStudio and make sure things are working

- Once you have R, then RStudio installed, you can find and click on the RStudio icon to open. **When you open RStudio, it automatically also runs R. So even though you'll be using both, you only need to actively open RStudio.** The RStudio icon looks like this:



- When you open RStudio, you should get a workspace that looks something like the screenshot below:



Bonus: You can change the color theme of RStudio by navigating to Tools > Global Options... > Appearance > Editor theme:

~~**Step 4. Download the .html and .Rmd files from Gauchospace under 'Lab materials' to your desktop**~~

Step 4: Download .Rmd and .html files from the lab Canvas page under the "Lab 1" Module