

Installing R and R Studio

Follow these instructions to install R and R Studio

R and R Studio will be used in this course to analyze data and complete assignments. This program is free and used very often in industry. R is the programming language use and R Studio is the interface. You must first download R and then R Studio. Below are the instructions to do so!

If you prefer not to download R and RStudio to your computer, you can use a web-based version of RStudio called RStudio Cloud. See the RStudio Cloud page for details.

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STEP 1: Installing R

Go to <https://cran.r-project.org/> ➞ [\(https://cran.r-project.org/\)](https://cran.r-project.org/)

Windows

- Click on **Download R for Windows**.
- Click on **base** or **install R for the first time**. This is located on the first line, at the top of the page.
- Click on **Download R 4.x.x for Windows** and run the .exe
 - Note: As of March 2022, the latest version of R is R 4.1.3.

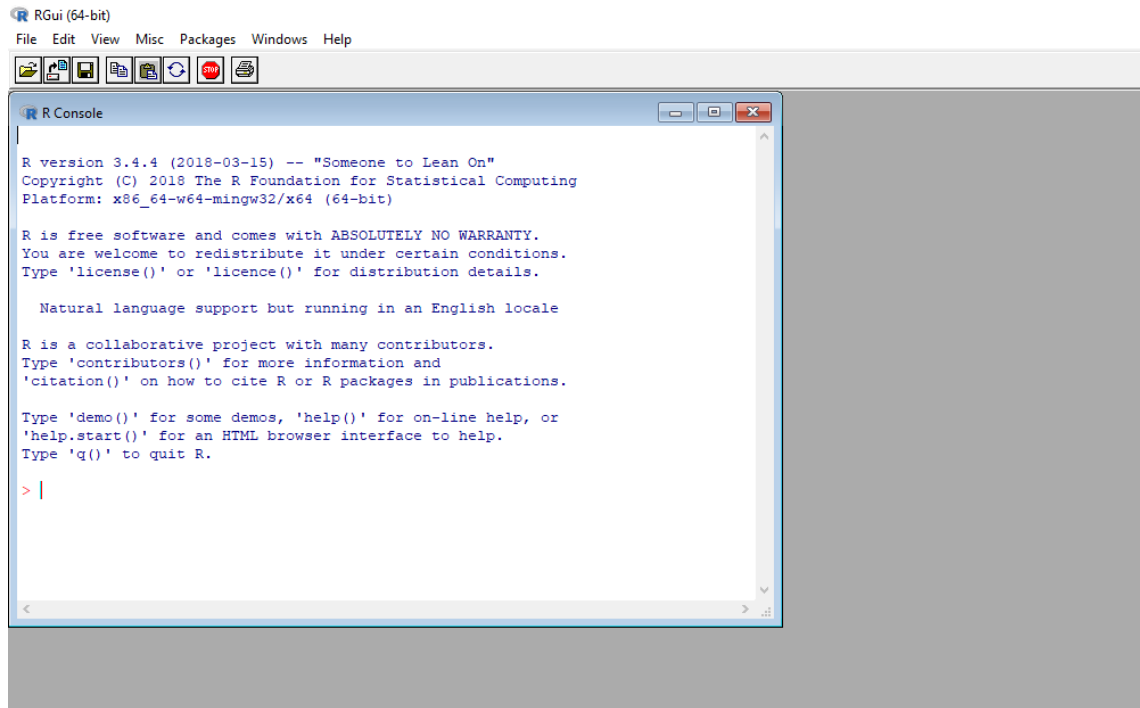
Mac OS

- Click on **Download R for (Mac) OS X**.
- If you have OS X 9 (Mavericks) or higher, click on the latest version of R. As of March 2022, the latest version is **R-4.1.3.pkg** and run the installer.
- Otherwise, download and run the **R-3.2.1-snowleopard.pkg**

Linux

- Click on **Download R for Linux**.
- Click on the directory corresponding to your Linux
- Follow instructions given in the documentation for that

Now you should have an application called **R** (possibly with version info in the name). If you open it, you should have a plain R console. It will look something like this:



```
RGui (64-bit)
File Edit View Misc Packages Windows Help

R Console

R version 3.4.4 (2018-03-15) -- "Someone to Lean On"
Copyright (C) 2018 The R Foundation for Statistical Computing
Platform: x86_64-w64-mingw32/x64 (64-bit)

R is free software and comes with ABSOLUTELY NO WARRANTY.
You are welcome to redistribute it under certain conditions.
Type 'license()' or 'licence()' for distribution details.

Natural language support but running in an English locale


R is a collaborative project with many contributors.
Type 'contributors()' for more information and
'citation()' on how to cite R or R packages in publications.

Type 'demo()' for some demos, 'help()' for on-line help, or
'help.start()' for an HTML browser interface to help.
Type 'q()' to quit R.

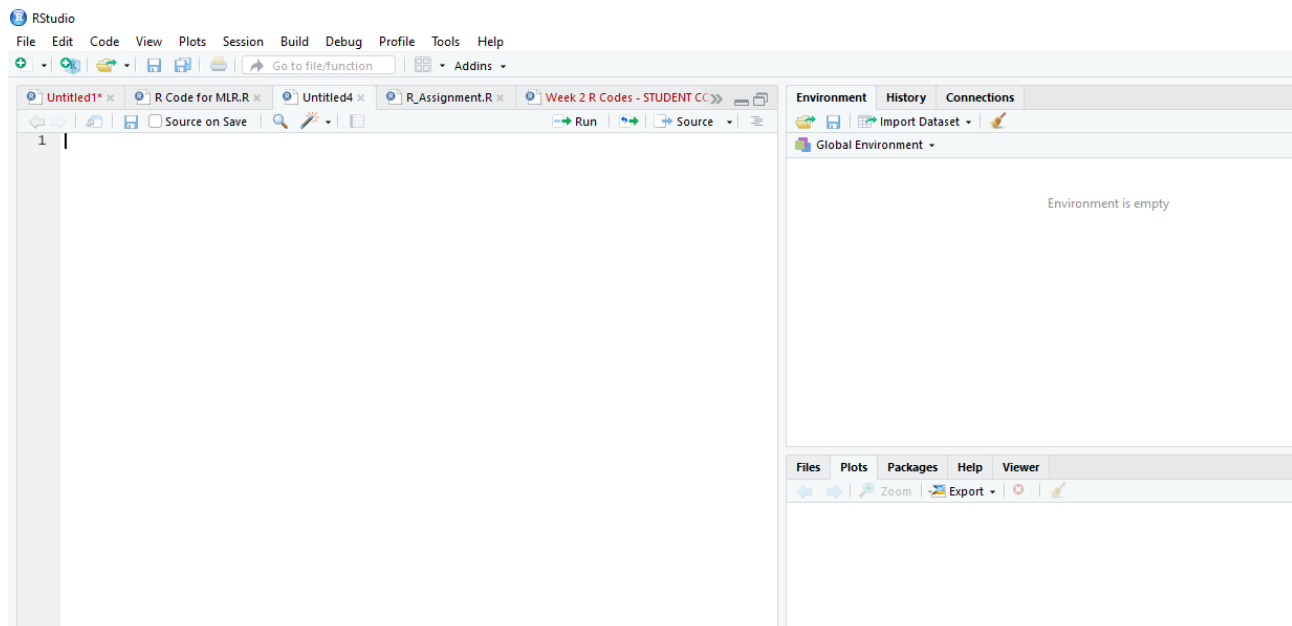
> |
```

STEP 2: Installing R Studio


You are ready to install R Studio, which embeds the R console in a larger interface with lots of useful features.

- Go to <https://rstudio.com/products/rstudio/download/>
(<https://rstudio.com/products/rstudio/download/>) 
(<https://www.rstudio.com/products/rstudio/download2/>)
- Click on the Download button below **R Studio Desktop Free Version**
- On the next page, click on **Download R Studio for...**

After the download is complete, open the R Studio application and make sure you don't get an error message about R not being installed. The **Console** pane should work exactly like the console you get when you open the stand-alone **R** application. R Studio will look something like this:



Data Camp Tutorials

I might also suggest going to <https://www.datacamp.com/>  [\(https://www.datacamp.com/\)](https://www.datacamp.com/) for additional tutorials to learn the basics of R. Create a free account and follow the prompts. The *Introduction to R* is a good course to start with for additional practice. You can do as much or little as you want.

R on Campus

R is also available on the OSU campus in the Milne Computing Lab and most engineering computer labs, including the Kelly Engineering Lab.