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/)**

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

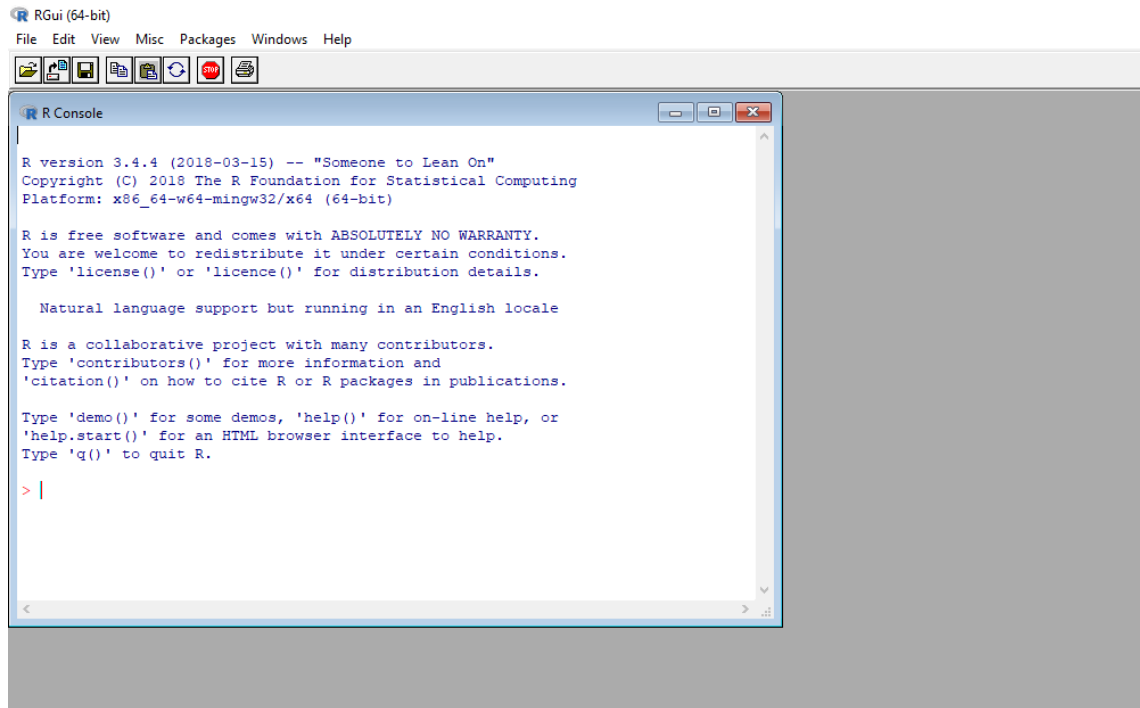   - Note: As of March 2022, the latest version of R is R 4.1.3.

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:

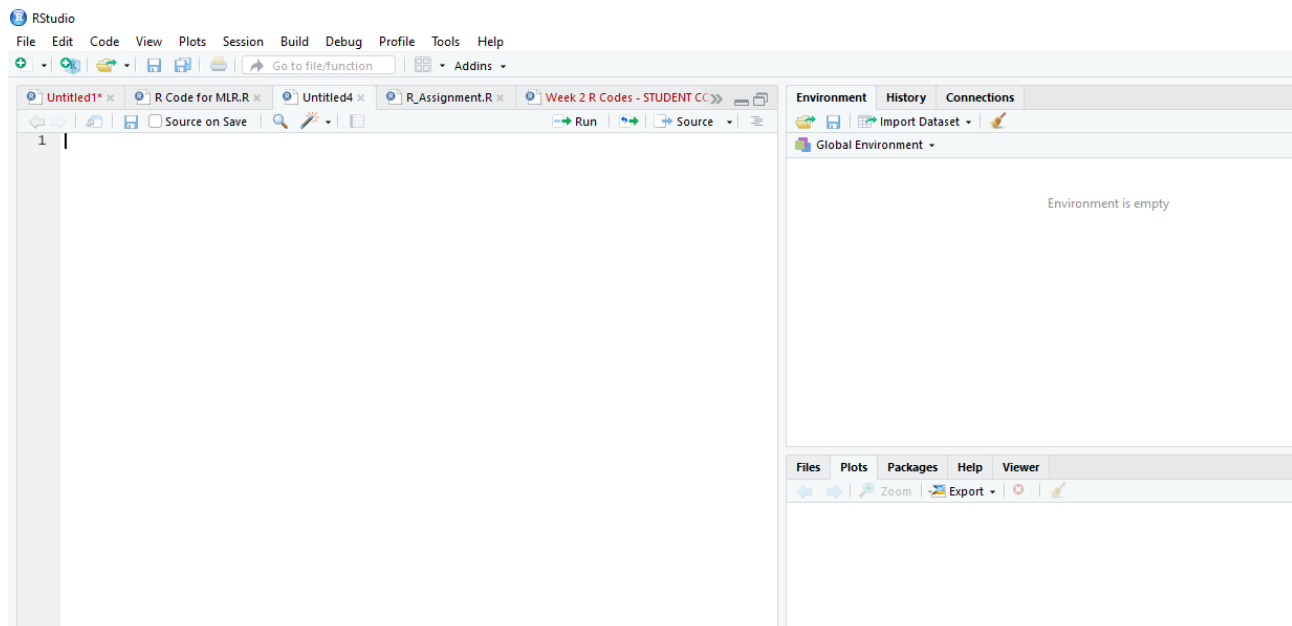<u>*STEP 2: Installing R Studio*</u>

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/)** 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.