Getting Started with R & R Studio

CS 637 Time Series and Forecasting
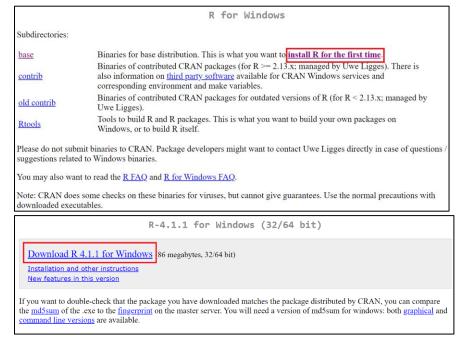
From the R-Project website – **R** is a free software environment for statistical computing and graphics. It compiles and runs on a wide variety of UNIX platforms, Windows and MacOS.

R is the underlying programming language that is used in **R Studio**. R Studio is the front-end integrated development environment (IDE) that allows for convenient usage of the R programming language.
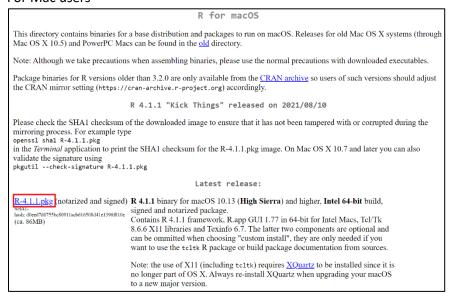
Installing R

To install R, we're required to select a mirror for the installation. For convenience, we'll select the Microsoft mirror.

1. Navigate to https://cran.microsoft.com/
2. Select the download for your operating system
   a. For Windows users

b. For Mac users

c. If any issues – please check out the "Frequently asked questions" section on the site. Topics there may address common questions or obstacles people run into.
3. Once the download is complete, open the file to begin the installation process
4. Complete the installation by continuing with all the preset, default options. We do not have a need to adjust any of these for our needs!

Installing R Studio

1. Navigate to https://www.rstudio.com/products/rstudio/download/
2. Navigate to the bottom of the page, where you can select your download based on your operating system. Select the appropriate download.

OS	Download	Size	SHA-256
Windows 10	⬇ RStudio-1.4.1717.exe	156.18 MB	71b36e64
macOS 10.14+	⬇ RStudio-1.4.1717.dmg	203.06 MB	2cf2549d
Ubuntu 18/Debian 10	⬇ rstudio-1.4.1717-amd64.deb	122.51 MB	e27b2645
Fedora 19/Red Hat 7	⬇ rstudio-1.4.1717-x86_64.rpm	138.42 MB	648e2be0
Fedora 28/Red Hat 8	⬇ rstudio-1.4.1717-x86_64.rpm	138.39 MB	c76f620a
Debian 9	⬇ rstudio-1.4.1717-amd64.deb	123.29 MB	e4ea3a60
OpenSUSE 15	⬇ rstudio-1.4.1717-x86_64.rpm	123.15 MB	e69d55db

3. Once downloaded, similar to the R installation, we can navigate the installer by accepting the default settings and clicking "next" until the installation begins