

Installing R and R Studio

R and R Studio are separate packages – both are FREE. You will need to install R first.
R is the basic package we are using. R Studio is an add-on that makes R easier to use for beginners. I encourage you to install and use both, we will be using R Studio in class.

These instructions should work for Windows and MAC users for installing R and R Studio.

1. INSTALLING R:

Go to <http://www.r-project.org/>, and in the “Getting Started” box, click on “download R.”

The screenshot shows the official R Project website. On the left, there's a large blue 'R' logo and a sidebar with links to [Home], Download, CRAN, and R Project. The main content area is titled 'The R Project for Statistical Computing'. Under 'Getting Started', it says: '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.' A link 'To download R, please choose your preferred CRAN mirror.' is highlighted with a red oval. Below this, a note says: 'If you have questions about R like how to download and install the software, or what the license terms are, please read our answers to frequently asked questions before you send an email.'

Find a site of your choice (try USA, Iowa State for example). Click to go to that site.

This screenshot shows the 'USA' mirror selection page. It lists three options: 'https://mirror.las.iastate.edu/CRAN/' (with a red oval around it), 'http://ftp.ussg.iu.edu/CRAN/', and 'https://rweb.crdma.ku.edu/cran/'. To the right, it shows the corresponding mirrors: 'Iowa State University, Ames, IA', 'Indiana University', and 'University of Kansas, Lawrence, KS'.

Click on your operating system (Windows, MAC, Linux) and follow directions.

This screenshot shows the 'Download and Install R' section. It says: 'Precompiled binary distributions of the base system and contributed packages, Windows and Mac users most likely want one of these versions of R:' followed by a bulleted list: 'Download R for Linux (Debian, Fedora/Redhat, Ubuntu)', 'Download R for macOS', and 'Download R for Windows'. At the bottom, it notes: 'R is part of many Linux distributions, you should check with your Linux package management system in addition to the link above.'

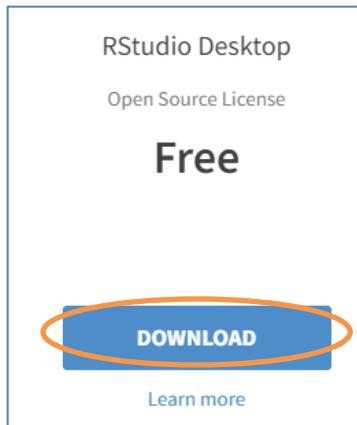
If Windows, click on “base” and then on “Download R-4.X.X for Windows” (latest version).

You may need to save the file and then click on it to execute it. When the dialog box opens, click “RUN.” A Setup Wizard should appear. Keep clicking “Next” (or change features if you desire), until it is finished. You should now have the R application installed (with a Desktop shortcut if you selected that option).

2. INSTALLING R STUDIO:

Go to <https://www.rstudio.com/products/rstudio/download/> and scroll down.

Under “RStudio Desktop” select “DOWNLOAD”



Select the appropriate download file for your machine.

OS	Download
Windows 10/11	 RStudio-2022.07.0-548.exe
macOS 10.15+	 RStudio-2022.07.0-548.dmg

You may need to save the file and then click on it to execute it. When the dialog box opens, click “RUN.” A Setup Wizard should appear. Keep clicking “Next” (or change features if you desire), until it is finished. You should now have the R Studio application installed (with a Desktop shortcut if you selected that option).

You now have R:  and RStudio:  installed.

R will just exist in the background, we will only be opening and using RStudio. Feel free to launch RStudio and familiarize yourself with the interface!