

## How to Install R and R Studio

### Windows Users

Version Fall 2023

R is a free software for statistical computing and graphics. Its learning curve is a bit steep. But, fortunately for us, there is also R-Studio. R-Studio is a user interface that allows the user to run R in an environment that is much more friendly, especially for new users. **In this course, we will be using R from within R-Studio.**

**R and R Studio are separate packages!**  
You ***must*** install R first.

### Preliminary - Consider Watching Two Videos First

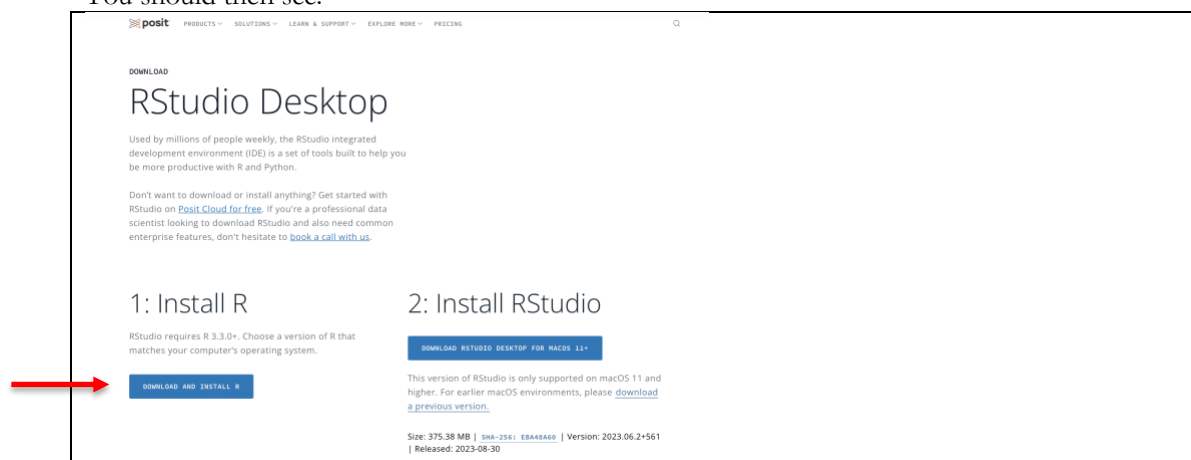
Windows Users (video, 2:57)

<https://www.youtube.com/watch?v=YrEe2TLr3MI> (Install R first)

<https://www.youtube.com/watch?v=rr53lOcpXb8> (Install RStudio second)

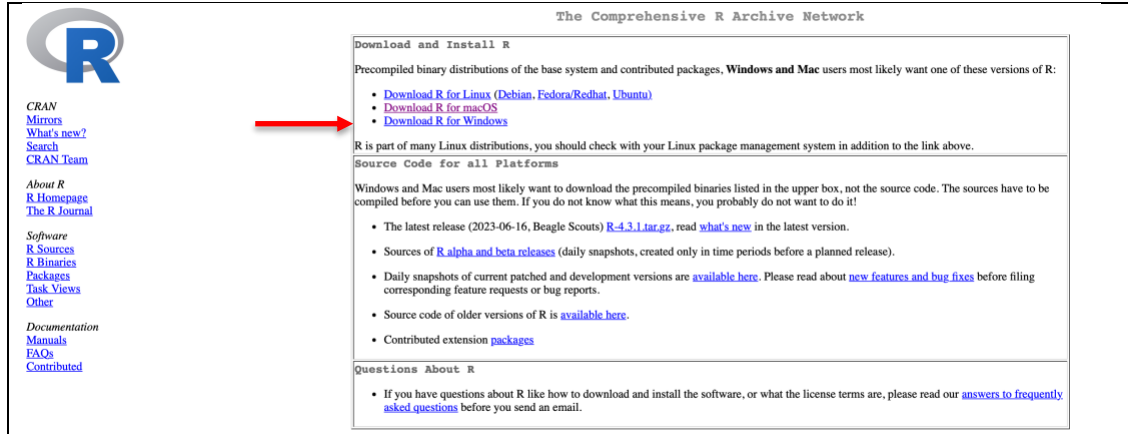
### PART I – First, Download and Install R *(This must be done before downloading and installing R Studio)*

- \_\_\_1. Go to: <https://posit.co/download/rstudio-desktop/>  
You should then see:



At left, under "1: Install R", click **DOWNLOAD AND INSTALL R**

2. You should then see:



The screenshot shows the CRAN website with the 'Download and Install R' section highlighted. A red arrow points to the 'Download R for Windows' link. The page content includes:

**The Comprehensive R Archive Network**

**Download and Install R**

Precompiled binary distributions of the base system and contributed packages, **Windows and Mac** users most likely want one of these versions of R:

- [Download R for Linux \(Debian, Fedora/Redhat, Ubuntu\)](#)
- [Download R for macOS](#)
- [Download R for Windows](#)

R is part of many Linux distributions, you should check with your Linux package management system in addition to the link above.

Source Code for all Platforms

Windows and Mac users most likely want to download the precompiled binaries listed in the upper box, not the source code. The sources have to be compiled before you can use them. If you do not know what this means, you probably do not want to do it!

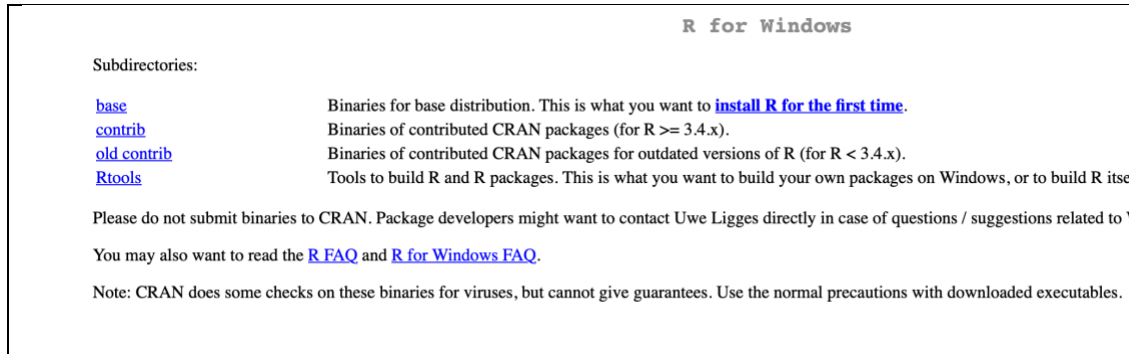
- The latest release (2023-06-16, Beagle Scouts) [R-4.3.1.tar.gz](#), read [what's new](#) in the latest version.
- Sources of [R alpha and beta releases](#) (daily snapshots, created only in time periods before a planned release).
- Daily snapshots of current patched and development versions are [available here](#). Please read about [new features and bug fixes](#) before filing corresponding feature requests or bug reports.
- Source code of older versions of R is [available here](#).
- Contributed extension [packages](#)

Questions About R

- 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.

At top right, under Download and Install R, click **Download R for Windows**

3. You should then see:



The screenshot shows the 'R for Windows' page with the following content:

**R for Windows**

Subdirectories:

- [base](#) Binaries for base distribution. This is what you want to **install R for the first time**.
- [contrib](#) Binaries of contributed CRAN packages (for R  $\geq$  3.4.x).
- [old contrib](#) Binaries of contributed CRAN packages for outdated versions of R (for R < 3.4.x).
- [Rtools](#) Tools to build R and R packages. This is what you want to build your own packages on Windows, or to build R itself.

Please do not submit binaries to CRAN. Package developers might want to contact Uwe Ligges directly in case of questions / suggestions related to

You may also want to read the [R FAQ](#) and [R for Windows FAQ](#).

Note: CRAN does some checks on these binaries for viruses, but cannot give guarantees. Use the normal precautions with downloaded executables.

Under "R for Windows", click **install R for the first time**

All done? At this point you should see the R icon shortcut on your desktop:

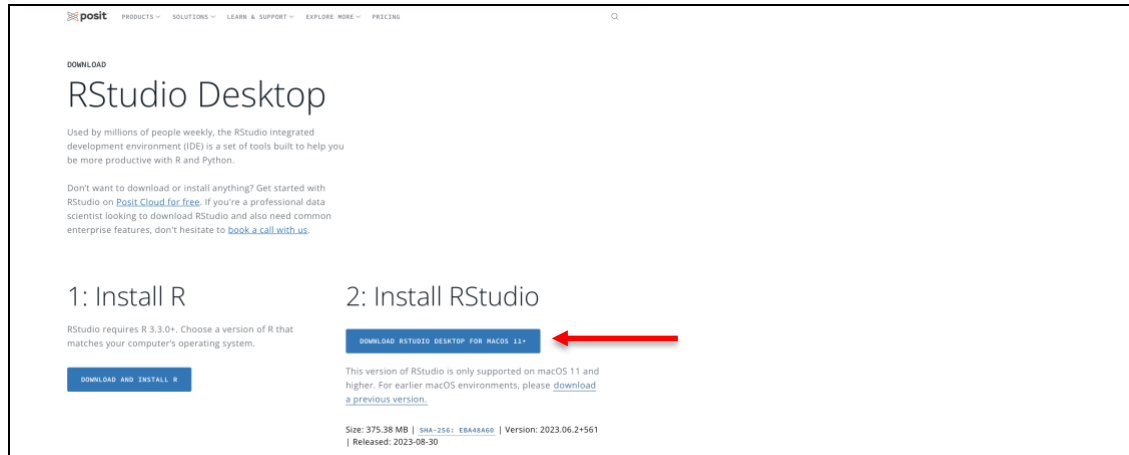


**PART II – Download and Install R-Studio (R must be downloaded and installed first)**

- \_\_\_ 1. Go to: <https://posit.co/download/rstudio-desktop/>

You should then see the following.

Note - What you will see will be slightly different than what is shown here, only because I am NOT a windows user:



At right, under "2: Install RStudio", **click DOWNLOAD RSTUDIO DESKTOP**

A ".exe" file will be automatically downloaded to your computer.

In my case, ***RStudio-2023.06.2-561.exe*** was downloaded to my desktop