

How to Install R and R Studio

Windows Users

Version Fall 2024

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.

PART I - Dowload and Install R

PART II - Download and Install RStudio

Preliminary - Consider Watching Two Videos First

Windows Users (video, 2:57)

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

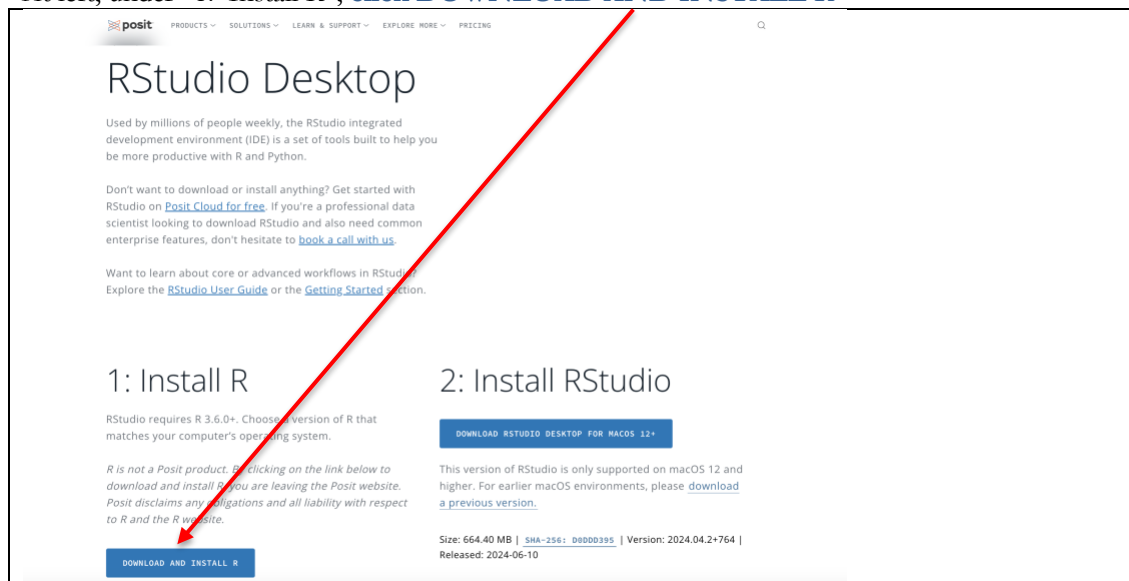
<https://www.youtube.com/watch?v=rr53lOcpXb8> (Install RStudio second)

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

___1. Go to: <https://posit.co/download/rstudio-desktop/>

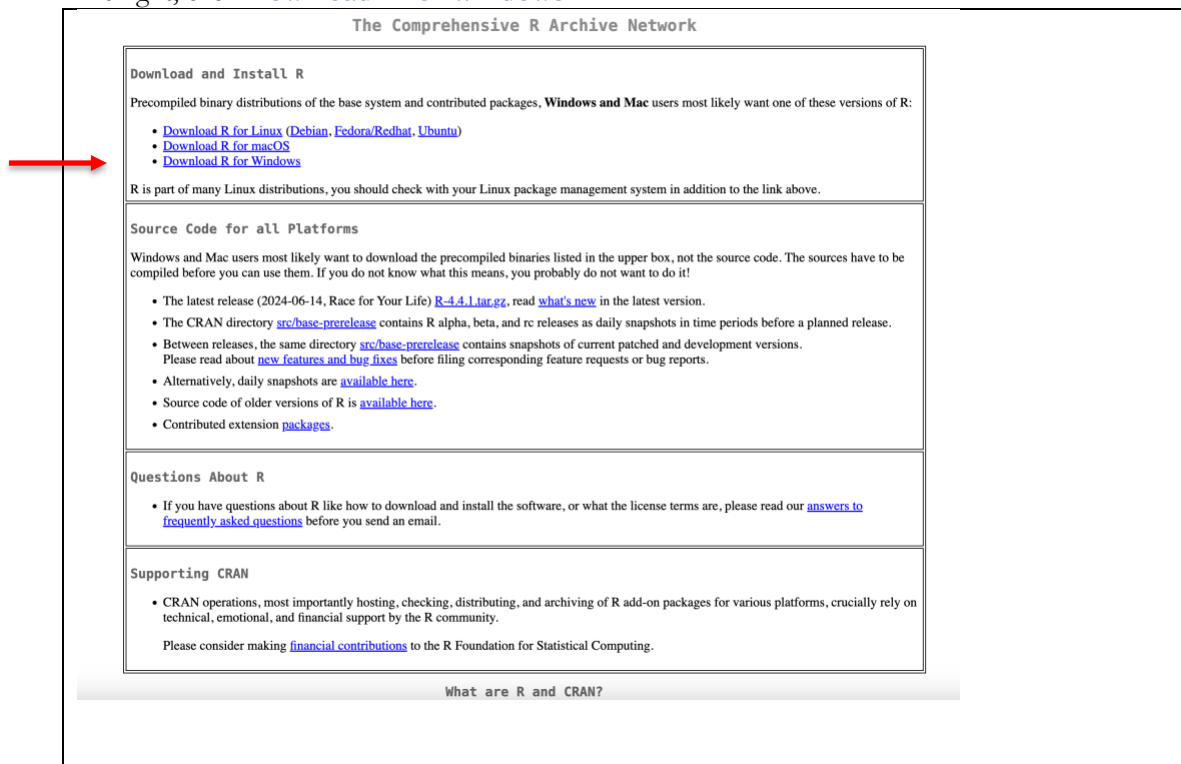
You should then see the following

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



___2. You should then see the following:

At right, click **Download R for Windows**



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 (2024-06-14, Race for Your Life) [R-4.4.1.tar.gz](#), read [what's new](#) in the latest version.
- The CRAN directory [src/base-prerelease](#) contains R alpha, beta, and rc releases as daily snapshots in time periods before a planned release.
- Between releases, the same directory [src/base-prerelease](#) contains snapshots of current patched and development versions. Please read about [new features and bug fixes](#) before filing corresponding feature requests or bug reports.
- Alternatively, daily snapshots are [available here](#).
- 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.

Supporting CRAN

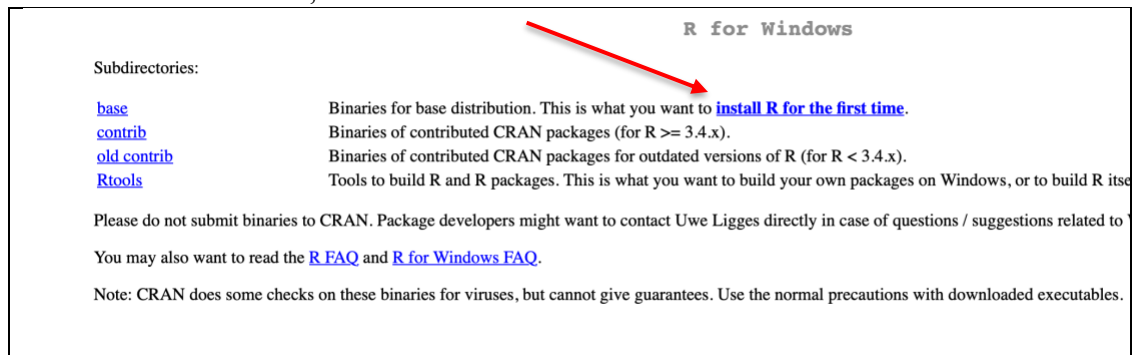
- CRAN operations, most importantly hosting, checking, distributing, and archiving of R add-on packages for various platforms, crucially rely on technical, emotional, and financial support by the R community.

Please consider making [financial contributions](#) to the R Foundation for Statistical Computing.

What are R and CRAN?

___3. You should then see:

Under “R for Windows”, click **install R for the first time**



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 >= 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.

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



PART II – Download and Install R-Studio (Be sure that R has been 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.

Follow instructions from there.

