

How to Install R and R Studio
WINDOWS Users
Version Fall 2022

R is a free software for statistical computing and graphics. Its learning curve is a bit steep. But, fortunately for us, there also exists 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 will need to install R first.

Before you begin:

Consider watching a video. This one is 3:23.

Windows 10 Users

<https://www.youtube.com/watch?v=VLWaED9jTiA>

PART I – Download and Install R

___1. Go to <https://www.r-project.org/>

In “Getting Started”, Click on “Download R” or “CRAN mirror”.

___2. Under “CRAN mirrors”, choose one of the URLs from “USA”.

Under “The Comprehensive R Archive Network”,
in the box “Download and Install R”,
click on “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](#)
- [Download R for \(Mac\) OS X](#)
- [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.

___3. Under “R for Windows”, click on “install R for the first time”.

___4. Under R-4.0.3 for Windows (32/64 bit), click on **“Download R 4.0.3 for Windows”**

[Download R-4.2.1 for Windows](#) (79 megabytes, 64 bit)

[README on the Windows binary distribution](#)

[New features in this version](#)

Notes -

* At the time of writing 4.2.1 is the current version. However, you should use whatever version shows up as the most recent.



PART II – Download and Install R-Studio

___1. Go to <https://rstudio.com/products/rstudio/download/>

___2. At left, choose version RStudio Desktop. It is free. Click on DOWNLOAD

The screenshot shows the RStudio website's download page. At the top, there's a navigation bar with links like 'Products', 'Solutions', 'Customers', 'Resources', 'About', and 'Pricing'. Below this is a blue banner with the text 'Download RStudio'. The main content area is titled 'Choose Your Version' and describes RStudio as a set of integrated tools. It then presents four options in a grid:

RStudio Desktop (Open Source License)	RStudio Desktop (Commercial License)	RStudio Server (Open Source License)	RStudio Server Pro (Commercial License)
Free	\$995 /year	Free	\$4,975 /year (\$3 Named Users)
DOWNLOAD	BUY	DOWNLOAD	BUY
Learn more	Learn more	Learn more	Evaluation Learn more

At the bottom, there's a row of four green checkmarks, each preceded by the text 'Integrated Tools for R'.

___3. At left, under Installers, click on the download corresponding to Windows 10/11

All Installers

Linux users may need to [import RStudio's public code-signing key](#) prior to installation, depending on the operating system's security policy.

RStudio requires a 64-bit operating system. If you are on a 32 bit system, you can use an [older version of RStudio](#).

OS	Download	Size	SHA-256
Windows 10/11	RStudio-2022.07.1-554.exe	190.14 MB	5ab6215b
macOS 10.15+	RStudio-2022.07.1-554.dmg	221.04 MB	7b1a2285
Ubuntu 18+/Debian 10+	rstudio-2022.07.1-554-amd64.deb	132.91 MB	74b9e751
Ubuntu 22	rstudio-2022.07.1-554-amd64.deb	145.33 MB	92f2ab75
Fedora 19/Red Hat 7	rstudio-2022.07.1-554-x86_64.rpm	103.29 MB	0fc15d16
Fedora 34/Red Hat 8	rstudio-2022.07.1-554-x86_64.rpm	149.77 MB	0c4ef334
OpenSUSE 15	rstudio-2022.07.1-554-x86_64.rpm	133.76 MB	45f277d0

___4. Put the R-Studio shortcut onto your desktop



- * From the **Start** menu:
- * Scroll to find the shortcut for **RStudio**
- * Click and hold on that shortcut and drag it to the desktop.

USING R AND R STUDIO

To use R and R-Studio, simply click on the R-Studio icon.
It is **not** necessary to click on the R icon, too.

EXITING R AND R STUDIO

You can exit both at the same time from the menu bar at top:

File → Quit R Studio

Upgrading R on Windows

Upgrading R on Windows needs to install the {installr} package.

First Install the installr package if you don't have it

installing/loading the package:

```
if(!require(installr)) {  
  install.packages("installr");  
  require(installr)  
} #load / install+load installr
```

Now call updateR() function to call update

This will start the updating process of your R installation. It will check for newer versions, and if one is available, will guide you through the decisions you'd need to make.

using the package:

```
updateR()
```

The link below is a step by step (screenshots) tutorial for upgrading R on Windows, which goes into more details. Please follow the directions to complete the upgrading if you want.

<https://www.r-statistics.com/2015/06/a-step-by-step-screenshots-tutorial-for-upgrading-r-on-windows/>

Updating RStudio on Windows

Updating RStudio is easy, just go to Help > Check for Updates to install newer version.