

Install R and R-studio

Monday, 29 April 2024

We will be using **R** in the "*Integrated Development Environment*" **R-studio**.

This is like saying: we use the **English** language in the "*Word Processor*" **MS Word**.

We first have to install R. Use this link to get the latest version:

<https://www.rstudio.com/products/rstudio/download/#download>

1: Install R

RStudio requires R 3.3.0+. Choose a version of R that matches your computer's operating system.

DOWNLOAD AND INSTALL R

2: Install RStudio

DOWNLOAD RSTUDIO DESKTOP FOR WINDOWS

Size: 215.66 MB | SHA-256: 03C03C42 | Version: 2023.12.1+402 |
Released: 2024-01-29

Click on the big blue button that says "Download and install R"

On the following page you can select the installation file that fits with your operating system. If you are on windows click on the link: Download R for Windows. For Linux or MAC users, choose the other appropriate links.

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.

Assuming you clicked on the Windows link, the next page gives more option, choose `base`:

R for Windows

Subdirectories:

- [base](#)
- [contrib](#)
- [old-contrib](#)
- [Rtools](#)

Binaries for base distribution. This is what you want to [install R for the first time](#).

Binaries of contributed CRAN packages (for R >= 2.13.x; managed by Uwe Ligges). There is also information on [third party](#) or corresponding environment and make variables.

Binaries of contributed CRAN packages for outdated versions of R (for R < 2.13.x; managed by Uwe Ligges).

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 Windows binaries.

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.

From the next page select the link on the top that says Download R 4.x.x for Windows

R-4.1.2 for Windows (32/64 bit)

[Download R 4.1.2 for Windows](#) (86 megabytes, 32/64 bit)

[Installation and other instructions](#)

[New features in this version](#)

If you want to double-check that the package you have downloaded matches the package distributed by CRAN, you can compare the [md5sum](#) of the .exe to the [fingerprint](#) on the [graphical](#) and [command line versions](#) are available.

The installation file will start downloading.

After the download is finished, look for the file in the Downloads folder (something like "R-4.x.x-win.exe") and install the file. If possible, do NOT use 'Run as administrator'. If you need help with this, please ask the IT dep to assist.

Once R is installed, it is time to install R-studio.

Download installation file for R-studio from this link (same as above):

<https://www.rstudio.com/products/rstudio/download/#download>

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Click on the big blue button that says "Download Rstudio Desktop for xxx"

Again: After the download is finished, look for the Rstudio installation file in the Downloads folder (something like Rstudio-2023.x.x.exe) and install the file. If you need help with this, please ask the IT dep to assist.

After installation search for **Rstudio** in the search bar (type 'windows-key' and 'rstudio') and open the application **RStudio**.