

How do I install R and RStudio on Mac OS?

Authored by
stats writer

June 23, 2024

RECOMMENDED CITATION

stats writer (2024). *How do I install R and RStudio on Mac OS?*. PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=149053>

To install R and RStudio on Mac OS, follow these steps:

1. Download and install R from the official website (<https://cran.r-project.org/bin/macosx/>). Choose the latest version and click on the "R-3.x.x.pkg" file to begin the installation process.
2. Follow the instructions on the installation wizard to complete the installation of R on your Mac.
3. Once R is installed, go to the RStudio website (<https://www.rstudio.com/products/rstudio/download/#download>) and download the free version of RStudio.
4. Open the RStudio installer and follow the instructions to complete the installation process.
5. After the installation is complete, you can open RStudio from your Applications folder.
6. To use R within RStudio, click on the "Console" tab and type your R commands.
7. You can also install additional packages in RStudio by going to the "Tools" menu and selecting "Install Packages."

Congratulations! You have successfully installed R and RStudio on your Mac OS. You can now use R for statistical analysis and data visualization.

R Programming language comes with a Mac Installer package to install it on Mac (macOS) and it also comes with an RStudio IDE to run R programs. The RStudio IDE is a collection of integrated tools that helps you to write R programs and tests. It includes a console, syntax-highlighting editor that supports direct code execution, and a variety of robust tools for plotting, viewing history, debugging, and managing your workspace.

1. Download R Package for Mac (macOS)

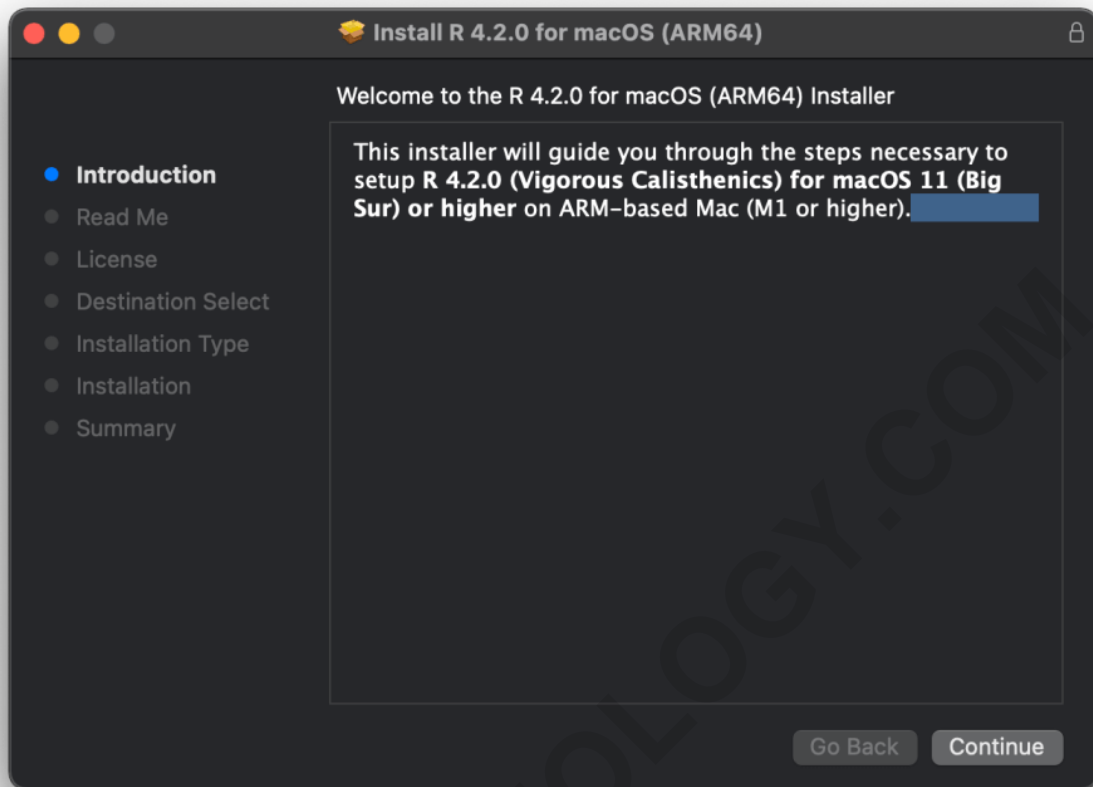
Let's start by downloading the R package for Mac (macOS) from the following URL. You can also find the R installer for Windows, Linux, and other platforms.

<http://lib.stat.cmu.edu/R/CRAN/>

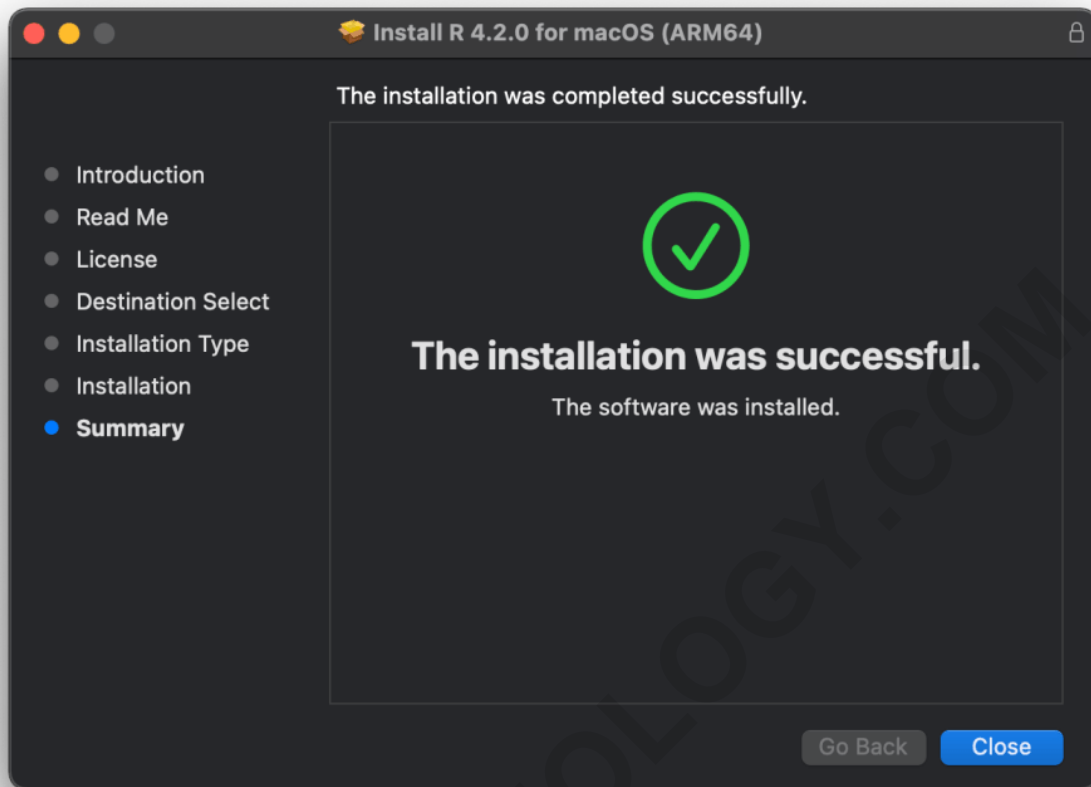
Click **Download R for macOS** and select the version you'd like to use for running R programs. This will download the r*.pkg file to your computer.

2. Install R Package on Mac (macOS)

After the download finishes, locate the downloaded folder and install the R package on it. You should see something like this below.



Follow the instructions on the screen and complete the installation of the R package with the default settings. Once complete you should get the following screen



3. Install XQuartz (Optional)

If it is needed for you, install XQuartz by downloading from the same link you used to download the R language.

[R-4.2.0-arm64.pkg](#) (notarized and signed)
SHA1-Hash: ada26032511648316967d245482858e20f0d0f
(ca. 89MB) For M1 Macs only!

R 4.2.0 binary for macOS 11 (Big Sur) and higher, **Apple silicon arm64** build, signed and notarized package.
Contains R 4.2.0 framework, R.app GUI 1.78 for Apple silicon Macs (M1 and higher), Tcl/Tk 8.6.12 X11 libraries and Tinfo 6.8.
Important: this version does NOT work on older Intel-based Macs.

Note: the use of X11 (including `tccltk`) requires [XQuartz](#) (version 2.8.1 or later). Always re-install XQuartz when upgrading your macOS to a new major version.

This release uses Xcode 13.1 and experimental GNU Fortran 12 arm64 fork. If you wish to compile R packages which contain Fortran code, you may need to download GNU Fortran for arm64 from <https://mac.R-project.org/tools>. Any external libraries and tools are expected to live in `/opt/R/arm64` to not conflict with Intel-based software and this build will not use `/usr/local` to avoid such conflicts (see the [tools page](#) for more details).

4. Download and Install RStudio IDE on Mac (macOS)

To download the [rstudio](#) IDE, go to the following link:

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

Scroll down and select the free version. You'll be taken to a page with the available RStudio versions for download. Choose the one that matches your version of macOS. Once the download is complete, open the file to begin the installation process. Follow the on-screen instructions to install the software.

RStudio Desktop

Open Source License

Free

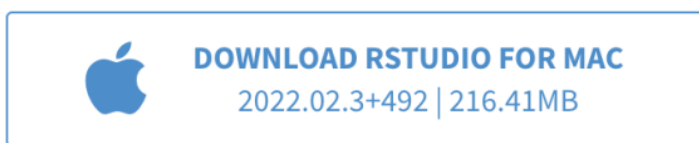
DOWNLOAD

[Learn more](#)

RStudio Desktop 2022.02.3+492 - [Release Notes](#)

1. Install R. RStudio requires [R 3.3.0+](#).

2. Download RStudio Desktop. Recommended for your system:

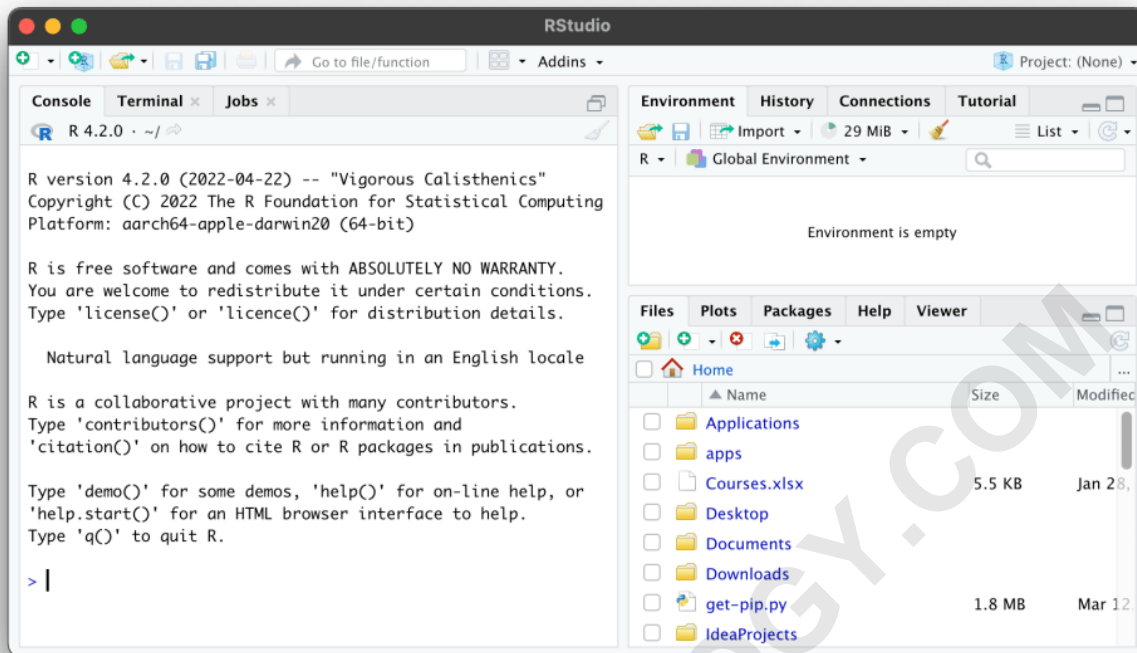


Requires macOS 10.15+ (64-bit)

This completes the installation of R and RStudio from Mac (macOS)

5. Open RStudio

Launch the RStudio application from the dock or through your list of applications, and you should see a screen similar to the one below. This screen will show RStudio with a command prompt where you can execute any R programming language statements.



Now let's run the hello world program in R, here I will just enter `print('Hello World')` at the prompt and press enter to execute the R snippet. Once you successfully run this and you can explore either the R language statements or jump to R Vector, R Matrix, and R Data Frames.

```
# Print Hello World
> print('Hello World')
Hello World"
>
```

If you wanted to use third-party packages like dplyr you need to install the package first.

6. Conclusion

I hope you are able to successfully download and install the R language/package and RStudio on Mac (macOS) to run the R programs. RStudio is an editor to write and executing R programs.

Related Articles

[R Hello World Program from RStudio IDE](#)[Sparklyr Cast Column Type With Examples](#)[How to Install and Update R Packages?](#)[Uninstall or Remove Package from R Environment](#)[Import Excel in R with](#)

[Examples](#)[Export to Excel in R \(XLSX or XLS\)](#)[How to Install Anaconda on Windows](#)

ARABPSYCHOLOGY.COM