

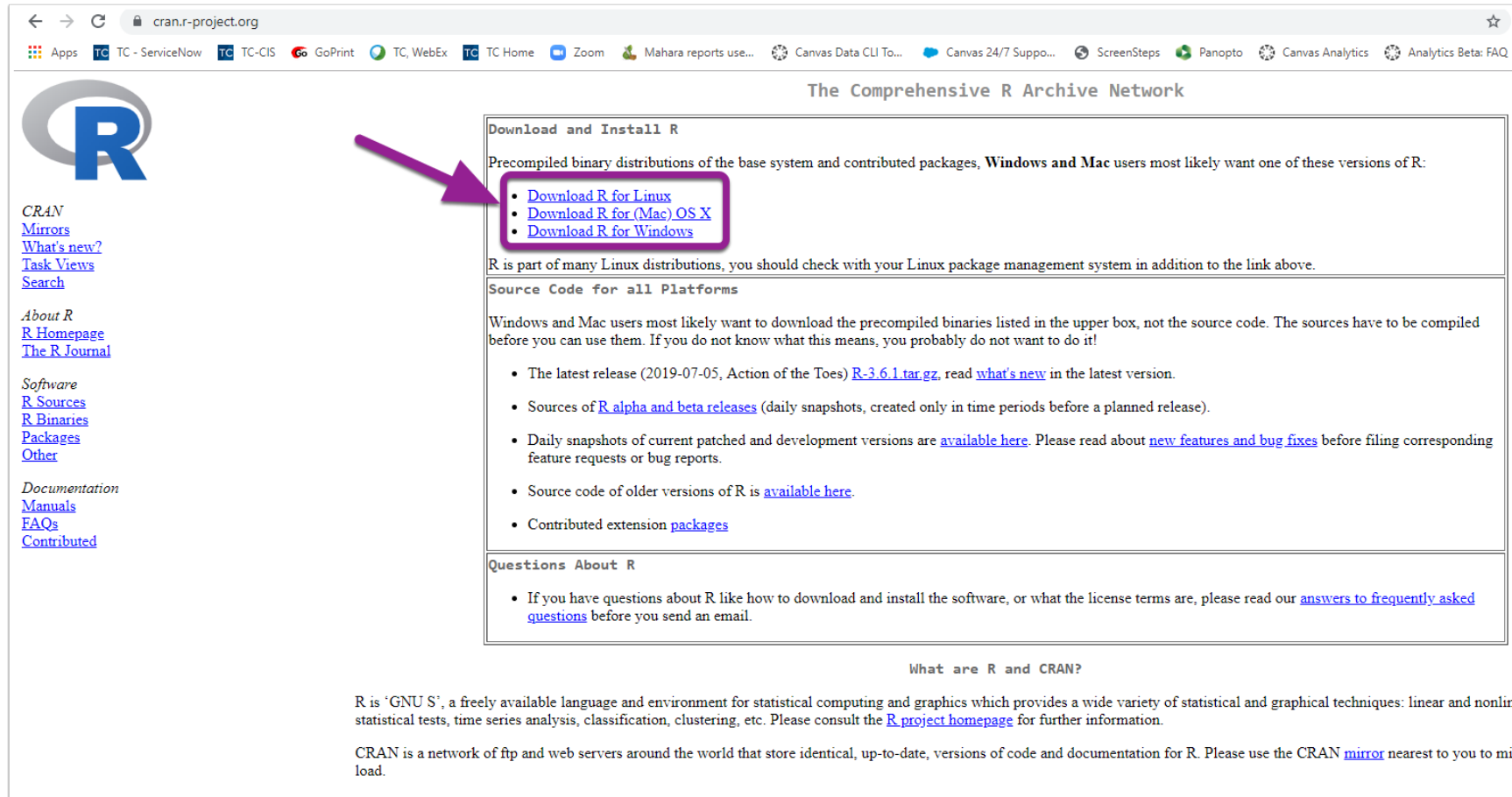
# Downloading R and Rstudio

Step by step (Mac)

# 1. To install R, go to [cran.r-project.org](https://cran.r-project.org)

- Open your web browser and go to the R Project website:  
<https://cran.r-project.org/>.

## 2. Depending on your operating system, click Download R for your operating system.



The screenshot shows the CRAN website (cran.r-project.org) with the title "The Comprehensive R Archive Network". The main content area is titled "Download and Install R" and contains the following text:

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.

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 (2019-07-05, Action of the Toes) [R-3.6.1.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.

What are R and CRAN?

R is 'GNU S', a freely available language and environment for statistical computing and graphics which provides a wide variety of statistical and graphical techniques: linear and nonlinear statistical tests, time series analysis, classification, clustering, etc. Please consult the [R project homepage](#) for further information.

CRAN is a network of ftp and web servers around the world that store identical, up-to-date, versions of code and documentation for R. Please use the CRAN [mirror](#) nearest to you to min load.

### 3. Click on R-4.3.0.pkg according to your system to install R.

or

For Apple Silicon (M1/M2) Macs:

[R-4.3.0-arm64.pkg](#)

SHA1-hash: 8ee0276daa9811993f218ebd2a8a7aa86c00d470  
(ca. 90MB, notarized and signed)

For older Intel Macs:

[R-4.3.0-x86\\_64.pkg](#)

SHA1-hash: d28e528c8e3e761aa4b871a8d444a1bfbee9bd3  
(ca. 92MB, notarized and signed)

[NEWS](#) (for Mac GUI)

[Mac-GUI-1.79.tar.gz](#)

SHA1-hash: 26d6f142ca5130329a30e2c6b3ec8d4245265183

Latest release:

**R 4.3.0** binary for macOS 11 (**Big Sur**) and higher, signed and notarized packages.

Contains R 4.3.0 framework, R.app GUI 1.79, Tcl/Tk 8.6.12 X11 libraries and Texinfo 6.8. The latter is optional and can be omitted when choosing "custom install", they are only needed if you want to build package or build package documentation from sources.

macOS Ventura users: there is a known bug in Ventura preventing installations from some locations. If the installation fails, move the downloaded file away from the *Downloads* folder (e.g., to your home directory).

Note: the use of X11 (including `tcltk`) requires [XQuartz](#) (version 2.8.5 or later). Always re-install XQuartz after updating your macOS to a new major version.

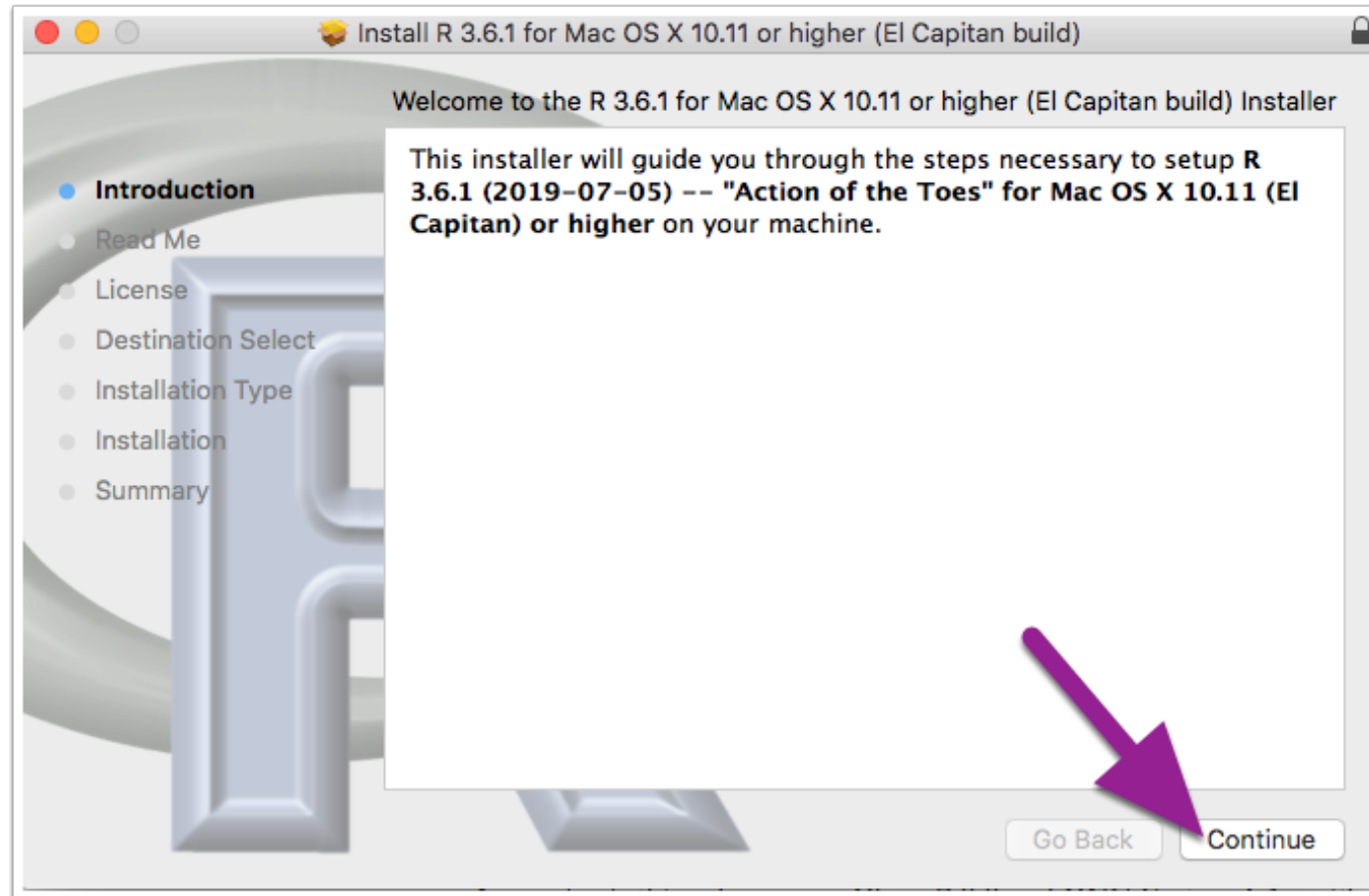
This release uses Xcode 14.2/14.3 and GNU Fortran 12.2. If you wish to compile R packages which require Fortran, you may need to download the corresponding GNU Fortran compiler from <https://mac.R-project.org/>. Libraries and tools are expected to live in `/opt/R/arm64` (Apple silicon) or `/opt/R/x86_64` (Intel).

News features and changes in the R.app Mac GUI

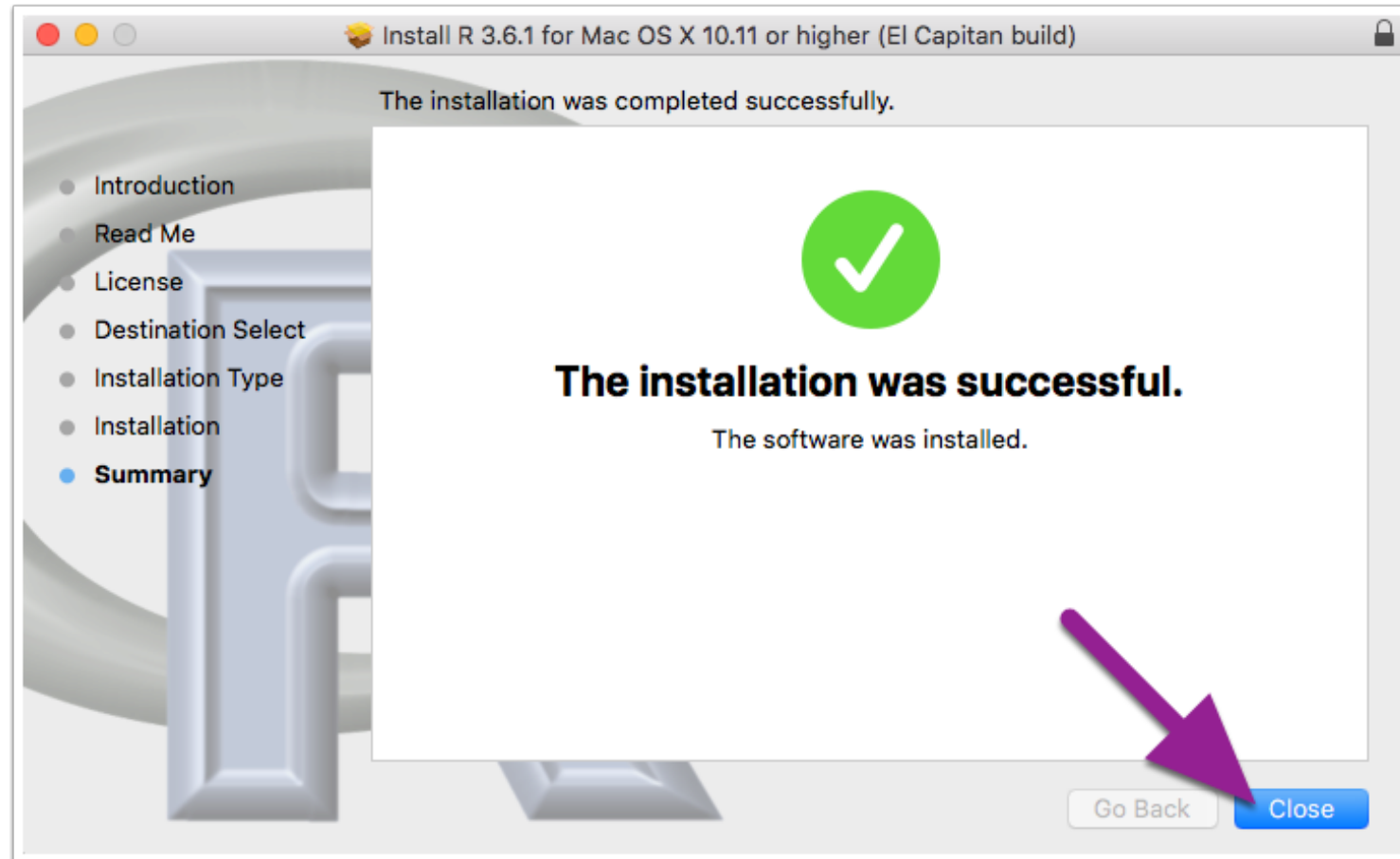
Sources for the R.app GUI 1.79 for macOS. This file is only needed if you want to join the development of the [Mac-GUI repository](#), it is not intended for regular users. Read the `INSTALL` file for further instructions.

Subdirectories:

4. Once the file download is complete, click to open the installer. Click Continue and proceed through the installer.



5. Once the R installer has finished, click Close.



6. Next, download RStudio. Go to [www.rstudio.com](https://www.rstudio.com), Click Download RStudio.



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PRICING

DOWNLOAD RSTUDIO

DOWNLOAD

# RStudio IDE

The most popular coding environment for R, built with love by Posit.

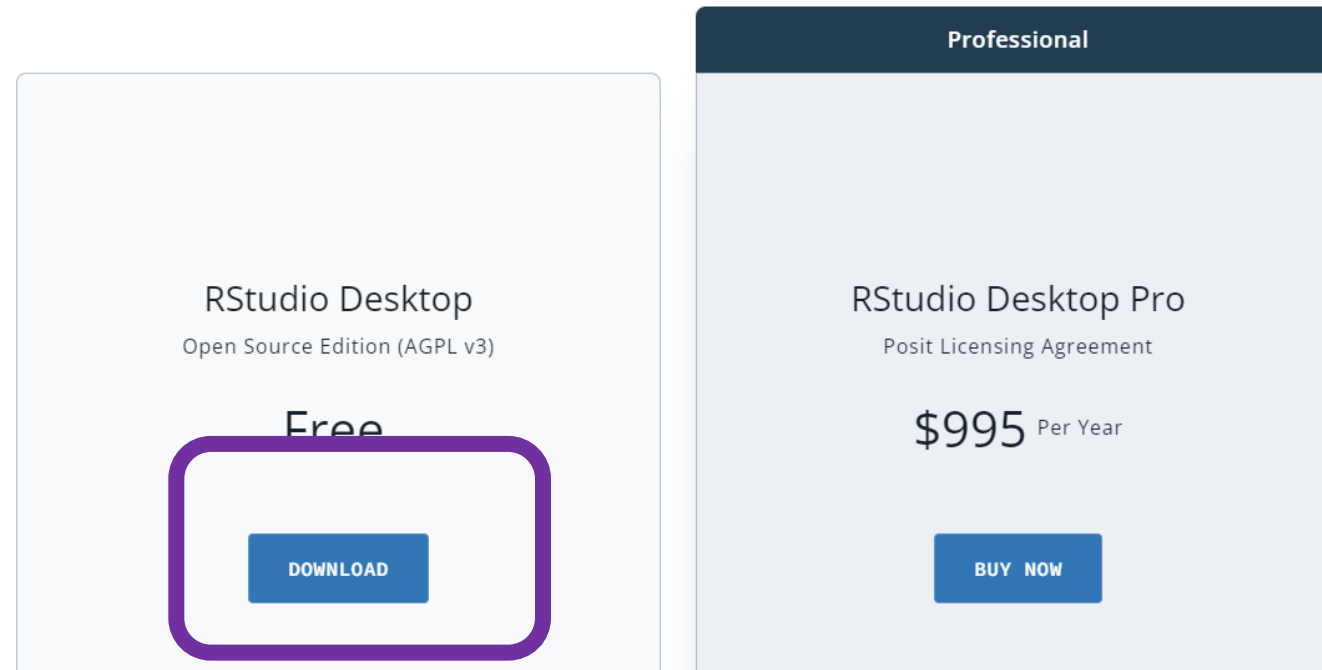
Used by millions of people weekly, the RStudio integrated development environment (IDE) is a set of tools built to help you be more productive with R and Python. It includes a console, syntax-highlighting editor that supports direct code execution. It also features tools for plotting, viewing history, debugging and managing your workspace.

RStudio Desktop

RStudio Server

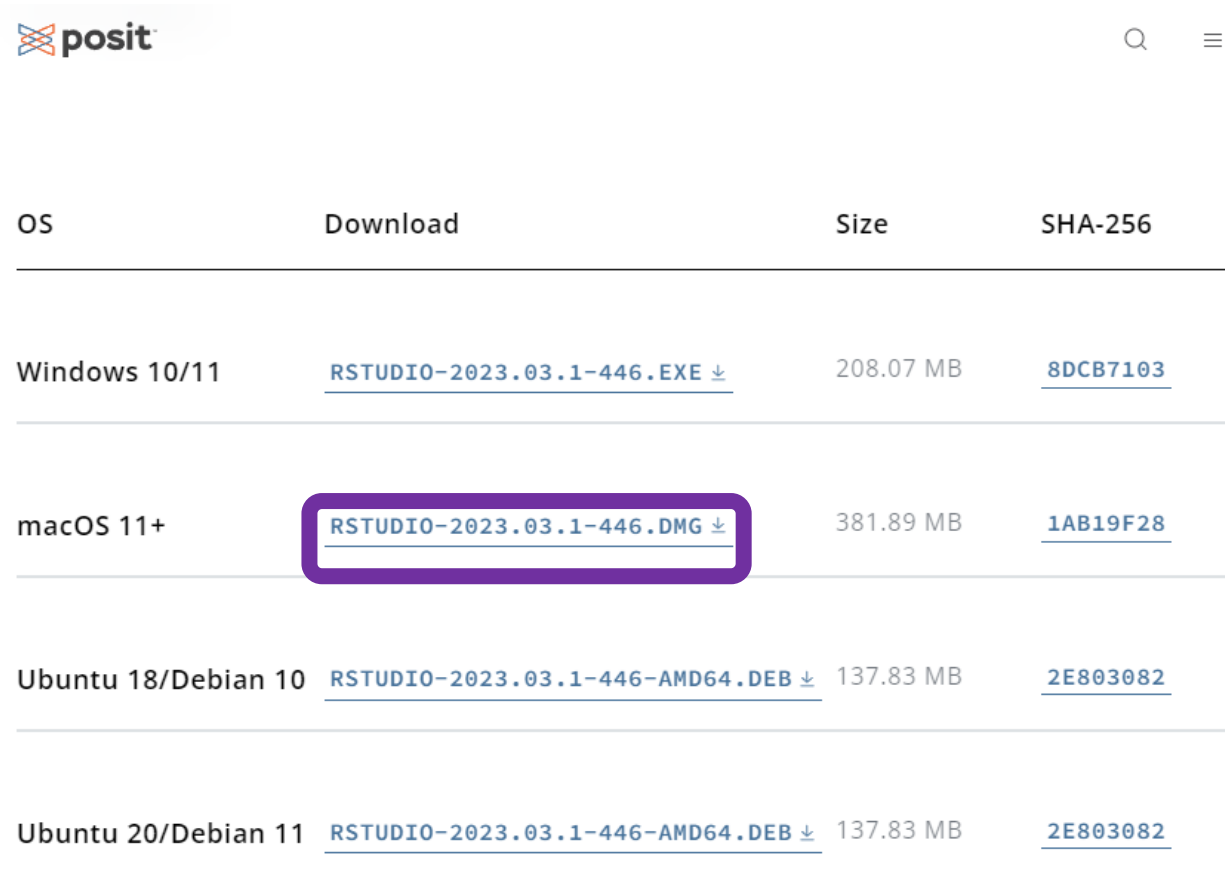
# 7. Click Download under RStudio Desktop-Open Source Edition





Download RStudio



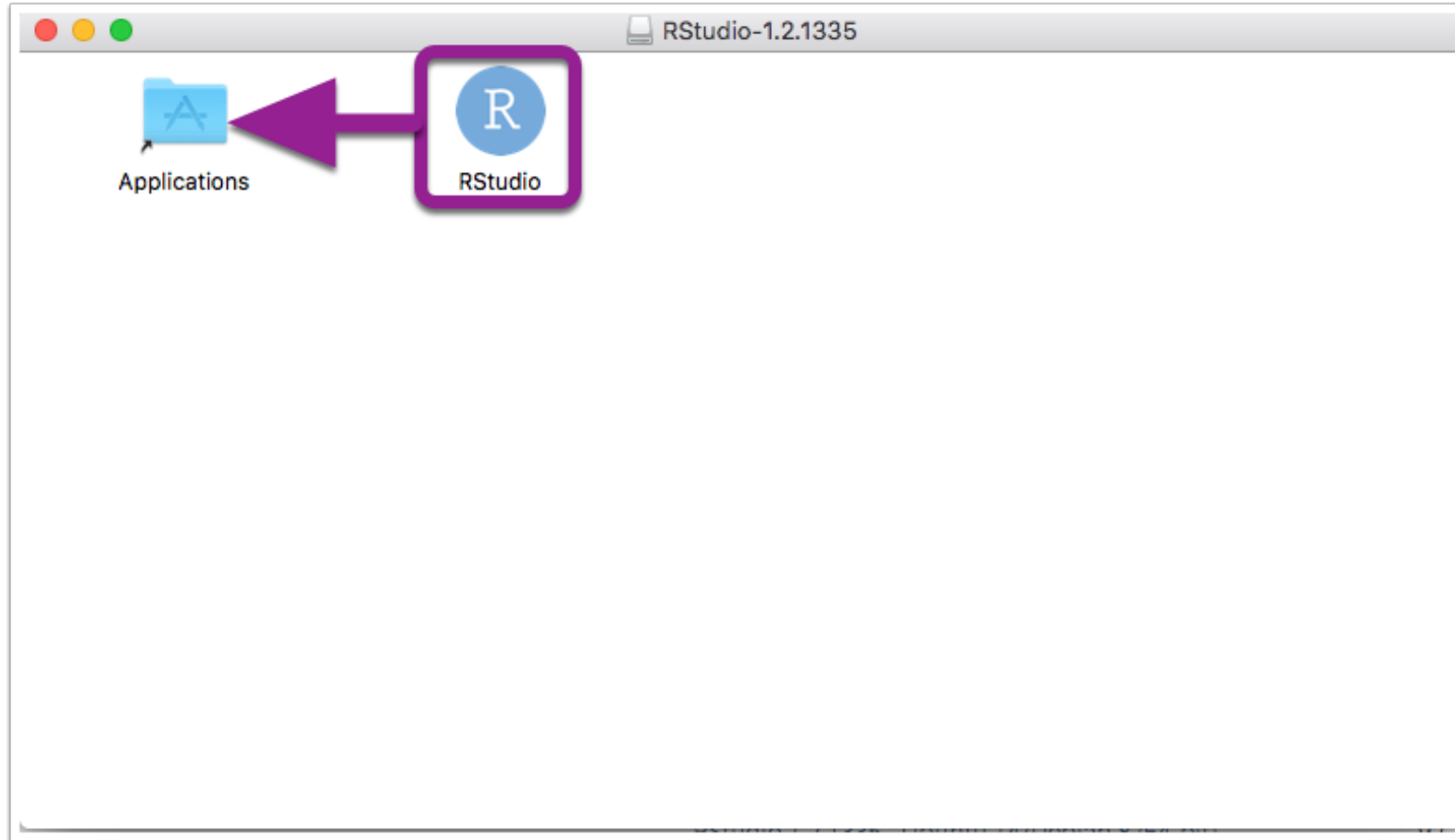


8. Click on the operating system that you are working with.



OS	Download	Size	SHA-256
Windows 10/11	<a href="#">RSTUDIO-2023.03.1-446.EXE</a> 	208.07 MB	<a href="#">8DCB7103</a>
macOS 11+	<a href="#">RSTUDIO-2023.03.1-446.DMG</a> 	381.89 MB	<a href="#">1AB19F28</a>
Ubuntu 18/Debian 10	<a href="#">RSTUDIO-2023.03.1-446-AMD64.DEB</a> 	137.83 MB	<a href="#">2E803082</a>
Ubuntu 20/Debian 11	<a href="#">RSTUDIO-2023.03.1-446-AMD64.DEB</a> 	137.83 MB	<a href="#">2E803082</a>

10. Once the file download is complete, click to open the installer. Drag RStudio into your applications folder.



11. Congratulations! You have now installed R and RStudio.