

# STAR 2024 – R Workshop

Find here the instructions to install R and RStudio.

I have created a step-by-step guide on the installation on MacOS.

Alternatively, you can watch the following great videos depending on your system.

1. [Installation of R on windows by Roger Peng](#)
2. [Installation of R on Mac by Roger Peng](#)
3. [How to install Rstudio on Mac](#)
4. [How to install Rstudio on Windows](#)

If you have any trouble during the installation , please reach out to your mentor who will be able to provide some troubleshooting and guidance.

## R studio and R installation:

### 1. Open your web browser and search for “R Studio”

The screenshot shows a web browser window with a dark theme. The address bar displays "google.com/search?q=R+studio&oq=R+studio&gs\_lcrp=Eg...". The search term "R studio" is entered in the search bar. Below the search bar, there are several navigation and filter options: Images, Download, Perspectives, Tutorial, Login, Videos, Online compiler, Online, All filters, Tools, and SafeSearch. The search results page indicates "About 3,870,000,000 results (0.28 seconds)". The first result is from Posit, titled "RStudio Desktop", with a link to <https://posit.co/download/rstudio-desktop>. The second result is also from Posit, titled "Download RStudio | The Popular Open-Source IDE from ...", with a link to <https://posit.co/products/open-source/rstudio>. To the right of the search results, there is a sidebar for "RStudio" which includes a large blue circular logo with the text "R Studio", a preview of the software interface, and a brief description: "RStudio is an integrated development environment (IDE) for R and Python. It includes a console, syntax-highlighting editor that supports direct code execution, ...".

### 2. Click on <https://posit.co/download/rstudio-desktop/>

RStudio Desktop - Posit

posit.co/download/rstudio-desktop/ Guest Finish update

**DOWNLOAD**

# RStudio Desktop

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.

Don't want to download or install anything? Get started with RStudio on [Posit Cloud for free](#). If you're a professional data scientist looking to download RStudio and also need common enterprise features, don't hesitate to [book a call with us](#).

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](#)

### 3. Select your operating system



RStudio Desktop - Posit    The Comprehensive R ArchivE

cran.rstudio.com    Guest    Finish update :

## R for macOS



This directory contains binaries for the base distribution and of R and packages to run on macOS. R and package binaries for R versions older than 4.0.0 are only available from the [CRAN archive](#) so users of such versions should adjust the CRAN mirror setting (<https://cran-archive.r-project.org>) accordingly.

Note: Although we take precautions when assembling binaries, please use the normal precautions with downloaded executables.

**R 4.3.2 "Eye Holes" released on 2023/10/31**

Please check the integrity of the downloaded package by checking the signature:  
`pkutil --check-signature R-4.3.2.pkg`  
in the *Terminal* application. If Apple tools are not available you can check the SHA1 checksum of the downloaded image:  
`openssl sha1 R-4.3.2.pkg`

**Latest release:**

For Apple silicon (M1/M2) Macs: **R 4.3.2** binary for macOS 11 (**Big Sur**) and higher, signed and notarized packages.  
[\*\*R-4.3.2-arm64.pkg\*\*](#)  
SHA1-  
hash: 763be9944ad00ed405972c73e9960ce4e55399d4  
(ca. 92MB, notarized and signed)

Contains R 4.3.2 framework, R.app GUI 1.80, Tcl/Tk 8.6.12 X11 libraries and Texinfo 6.8. The latter two components are optional and can be omitted when choosing "custom install", they are only needed if you want to use the `tcltk` R package or build package documentation from sources.

For older Intel Macs:  
[\*\*R-4.3.2-x86\\_64.pkg\*\*](#)  
SHA1-  
hash: 3d68ea6698add258bd7a4a5950152f4072eee8b2  
(ca. 94MB, notarized and signed)

**3. Choose the lastest package (in the case of MacOS, a .pkg file.)**





RStudio Desktop - Posit    The Comprehensive R Archive

cran.rstudio.com    Guest    Finish update

# 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!

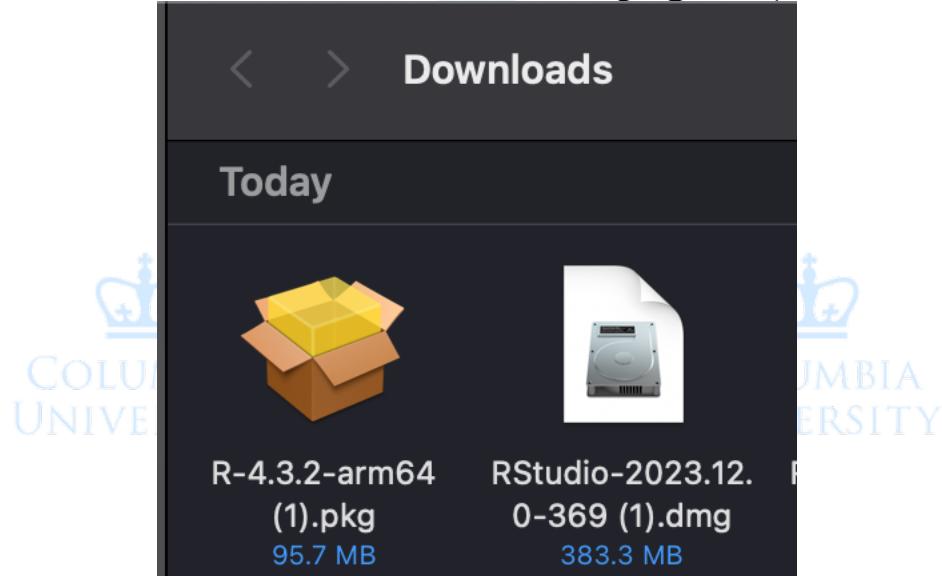
- The latest release (2023-10-31, Eye Holes) [R-4.3.2.tar.gz](#), read [what's new](#) in the latest version.

CRAN  
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[R Homepage](#)  
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#### 4. Open the download folder and Run the .pkg file (this will install R)



## 5. Continue

Install R 4.3.2 for macOS (ARM64)

Welcome to the R 4.3.2 for macOS (ARM64) Installer

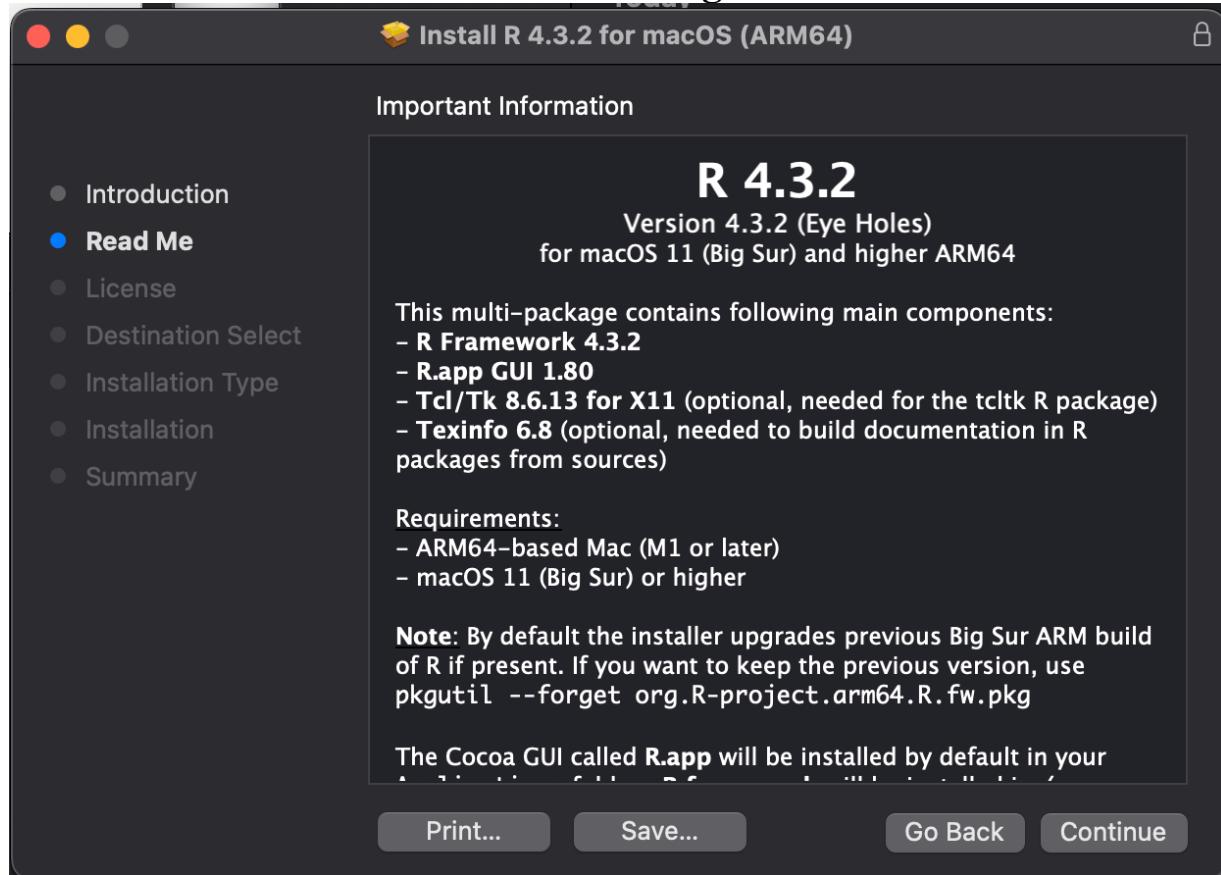
- Introduction
- Read Me
- License
- Destination Select
- Installation Type
- Installation
- Summary

This installer will guide you through the steps necessary to setup R 4.3.2 (Eye Holes) for macOS 11 (Big Sur) or higher on ARM-based Mac (M1 or higher).

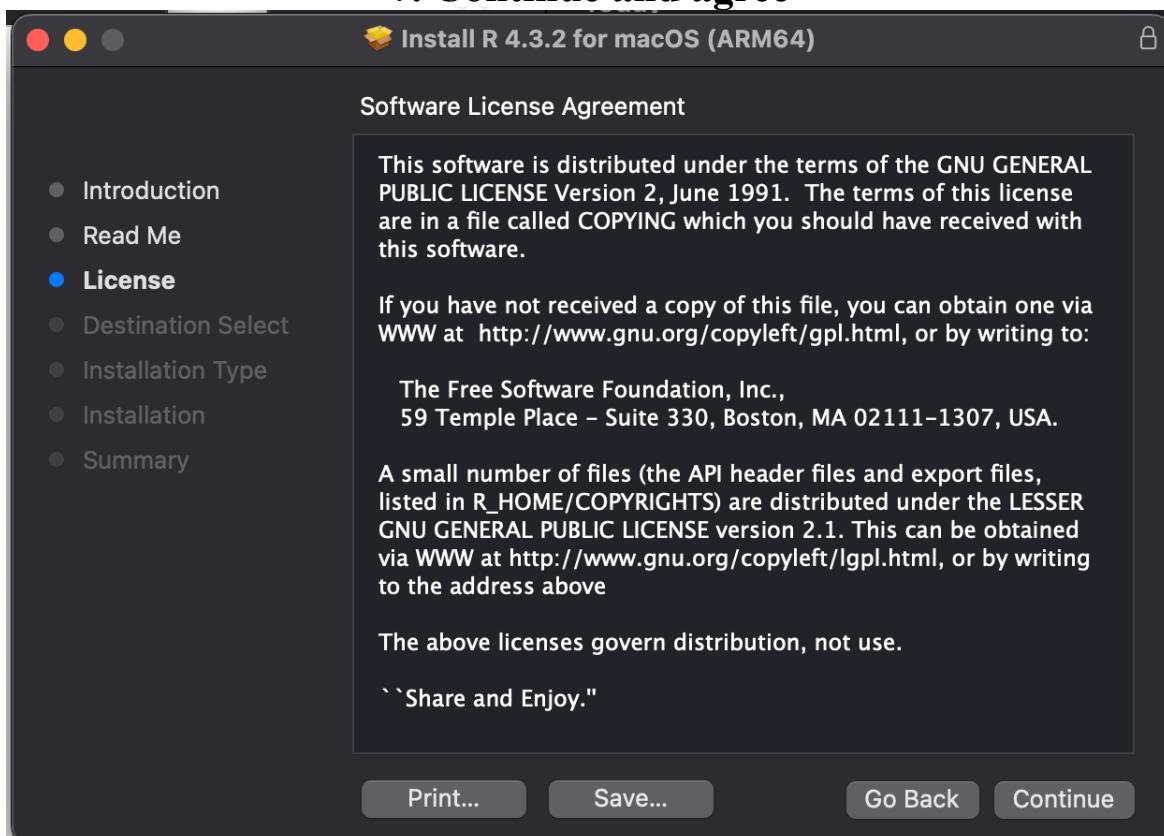
Go Back      Continue

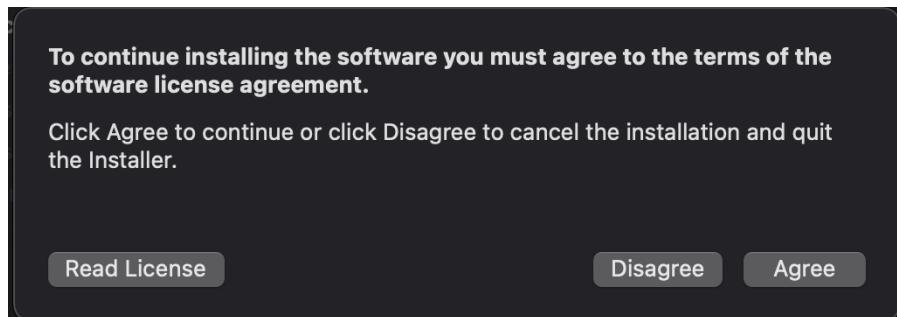


## 6. Continue again

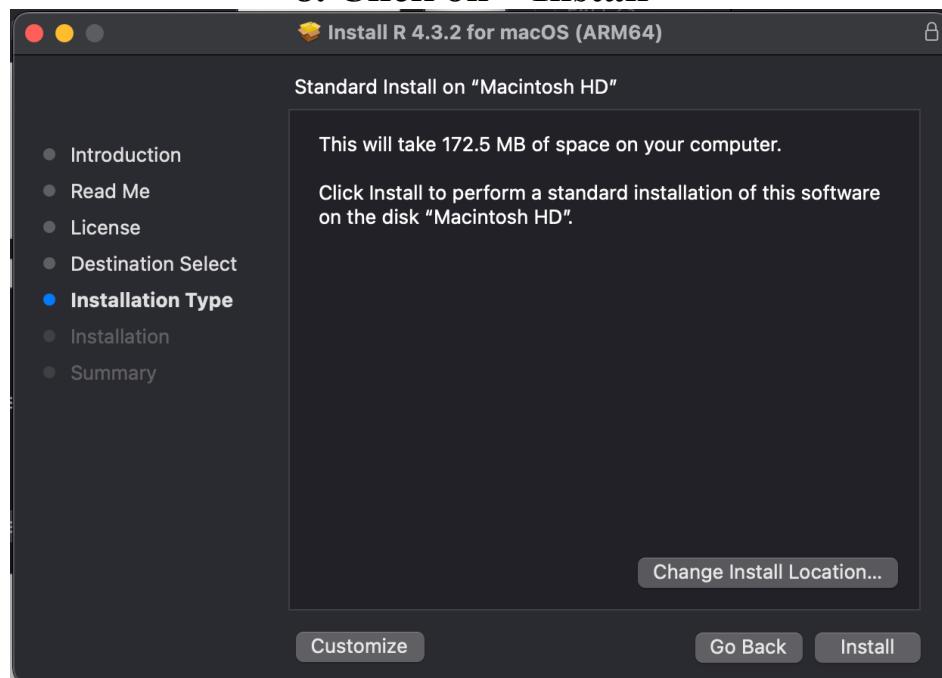


## 7. Continue and agree

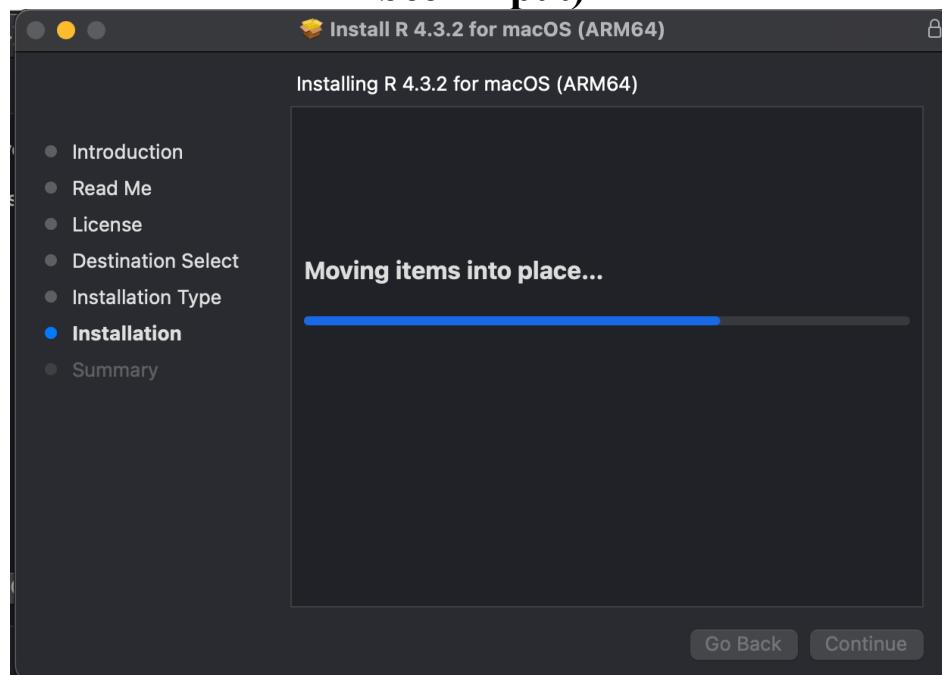




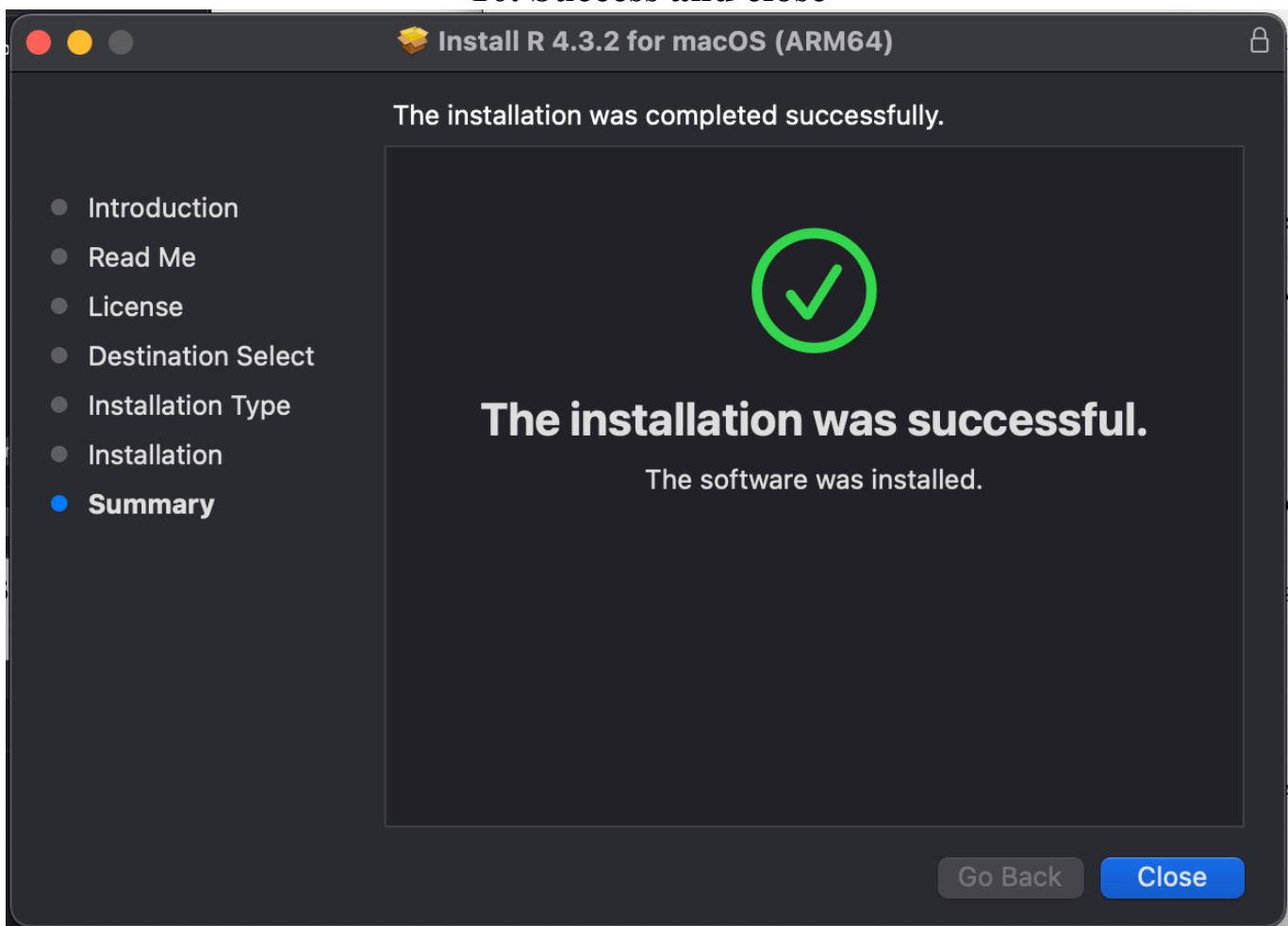
## 8. Click on “Install”



## 9. You may be asked for password (This is how it looks after password has been input)



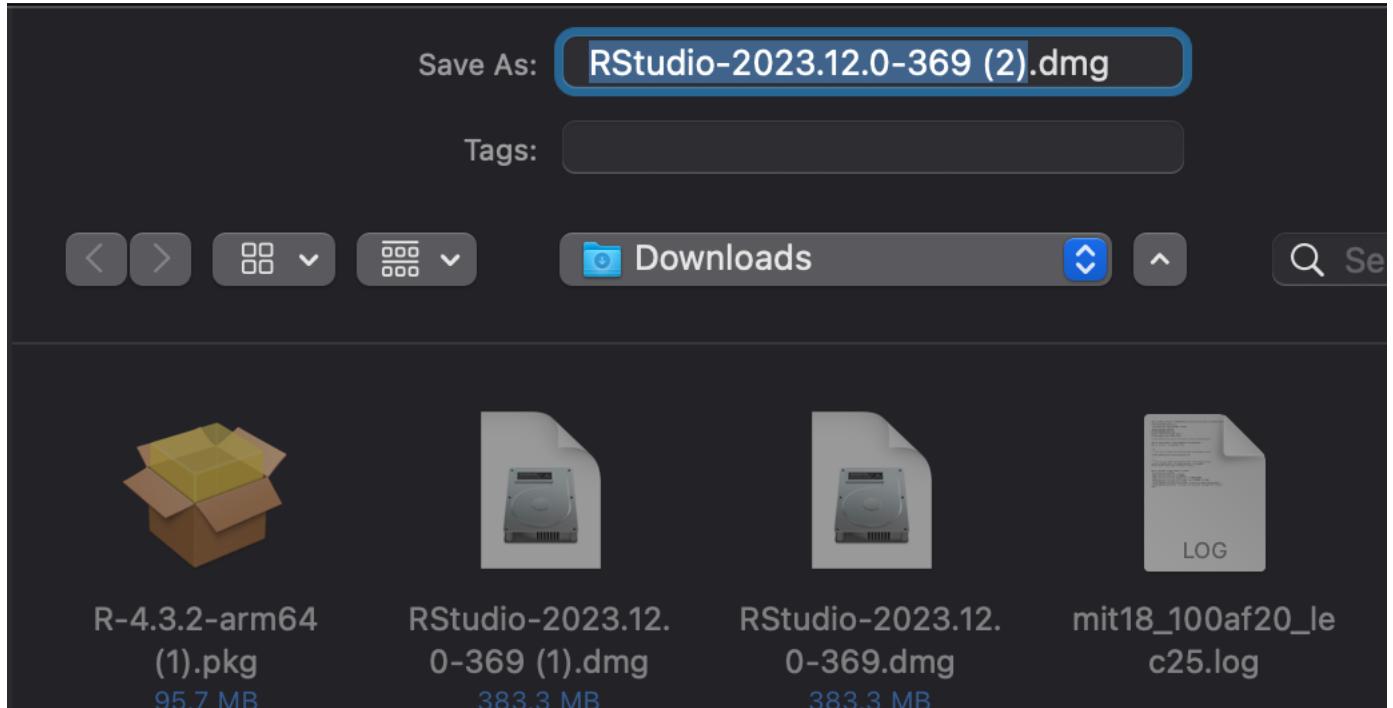
## 10. Success and close



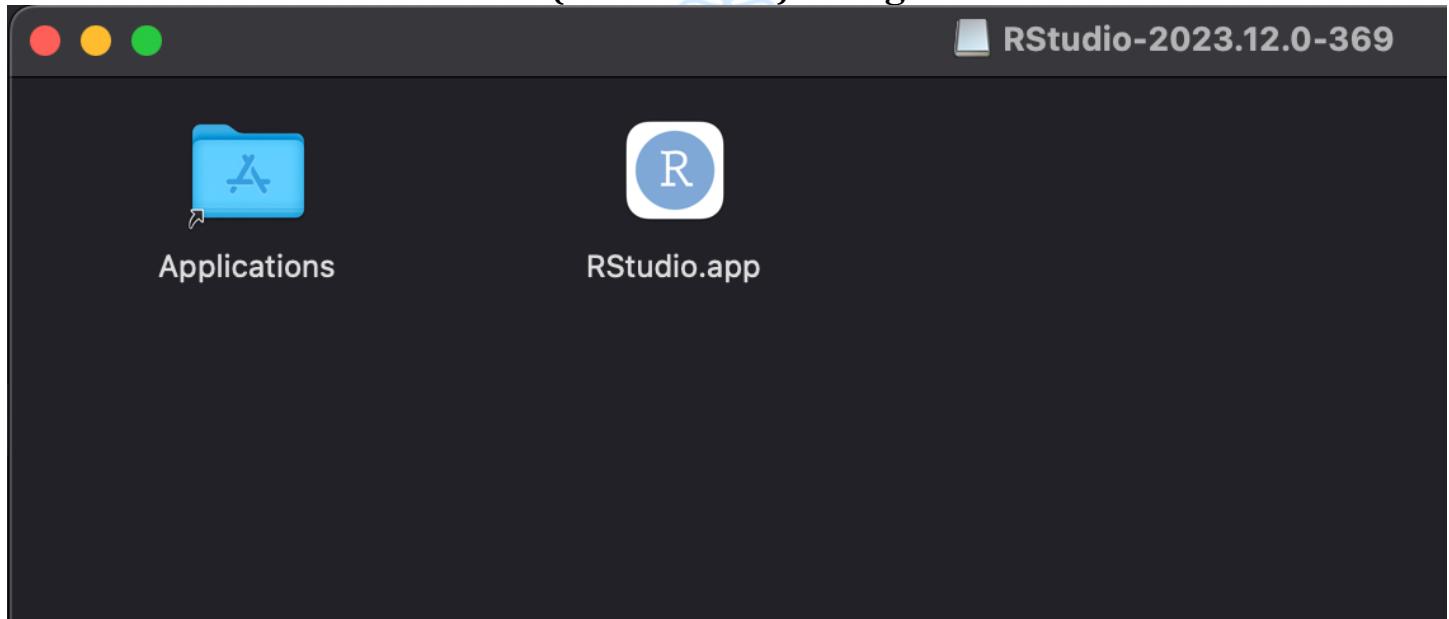
## 11. Go back to the first website , and now do step 2 . (Download Rstudio)

The screenshot shows a web browser window with the address bar containing "posit.co/download/rstudio-desktop/". The page itself features the "posit" logo at the top, followed by a large blue button labeled "DOWNLOAD RSTUDIO DESKTOP FOR MACOS 11+". Below this button, a message states: "This version of RStudio is only supported on macOS 11 and higher. For earlier macOS environments, please [download a previous version](#)." At the bottom, there is additional information: "Size: 383.32 MB | [SHA-256: 4EF11127](#) | Version: 2023.12.0+369 | Released: 2023-12-20".

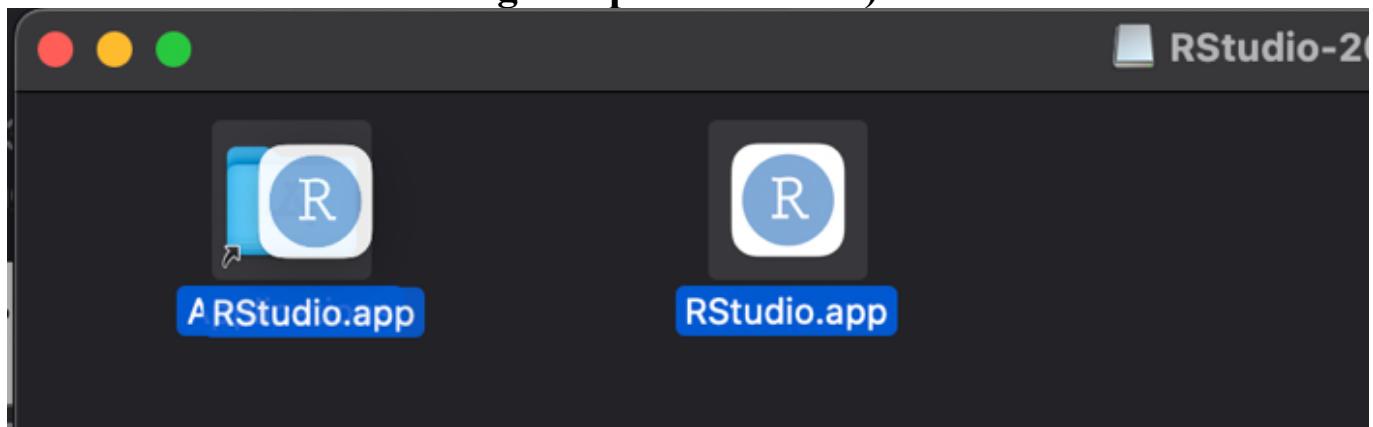
## 12. Save the file



13. Open your download folder , look for the .dmg file, “Rstudio-{versiondate}.dmg”



**13. Drag and drop your RStudio.app into the Applications folder (A small green plus will show)**



**14. You can now open it from your applications folder or Launchpad**

