

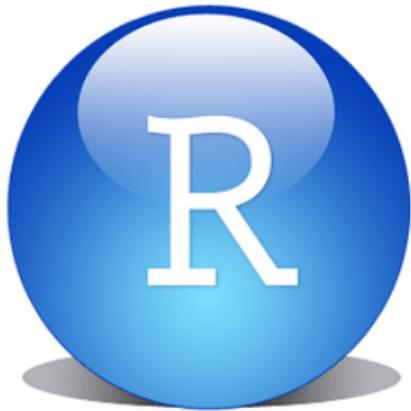
# Lecture 1: Installing R and Rstudio

W. Evan Johnson, Ph.D.  
Professor, Division of Infectious Disease  
Director, Center for Data Science  
Rutgers University – New Jersey Medical School

4/23/2024

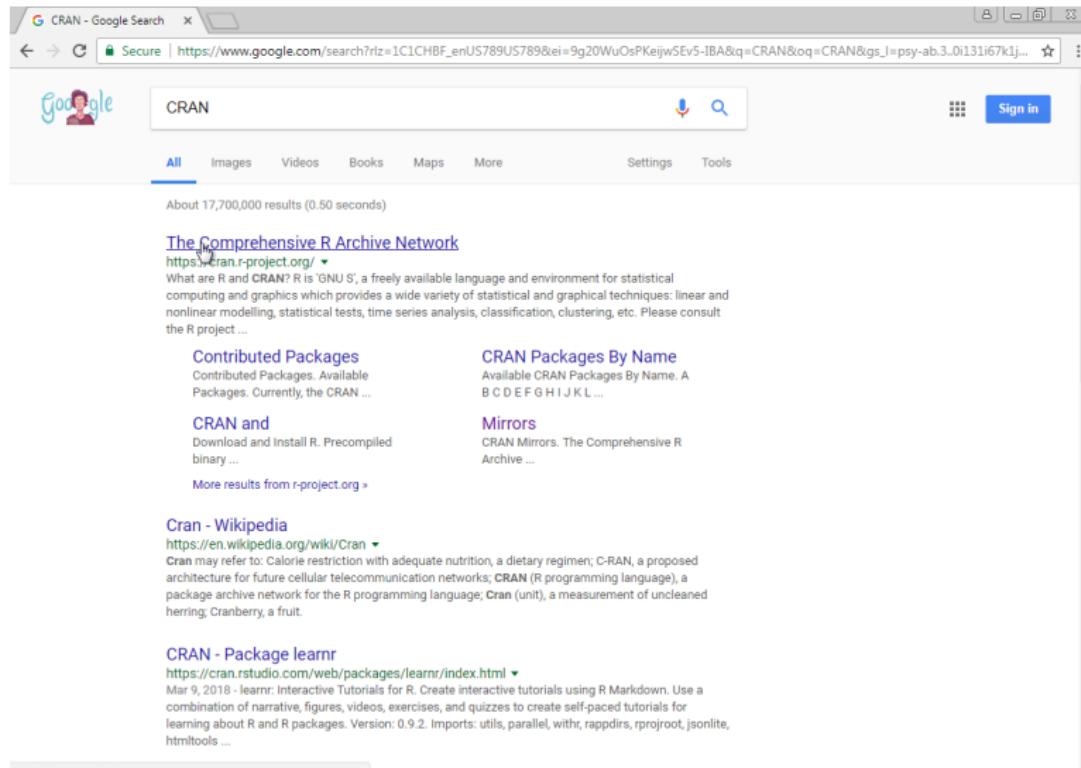
# Installing R and RStudio

**R** is a language for statistical computing and graphics. **RStudio** is an interactive desktop environment (IDE), but it is not R, nor does it include R when you download and install it. Therefore, to use RStudio, we first need to install R.



# Installing R (Windows and Mac)

Download R from the Comprehensive R Archive Network (CRAN):  
<https://cran.r-project.org/>. Search for “CRAN” on your browser:



The screenshot shows a Google search results page for the query "CRAN". The top navigation bar includes a "Google" logo, a search bar with the word "CRAN", and a microphone icon. Below the search bar are links for "All", "Images", "Videos", "Books", "Maps", and "More". To the right are "Settings" and "Tools" buttons, and a "Sign in" button.

About 17,700,000 results (0.50 seconds)

**The Comprehensive R Archive Network**  
<https://cran.r-project.org/> ▾

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 modelling, statistical tests, time series analysis, classification, clustering, etc. Please consult the R project ...

**Contributed Packages**  
Contributed Packages. Available Packages. Currently, the CRAN ...

**CRAN and**  
Download and Install R. Precompiled binary ...

More results from r-project.org »

**Cran - Wikipedia**  
<https://en.wikipedia.org/wiki/Cran> ▾

Cran may refer to: Calorie restriction with adequate nutrition, a dietary regimen; C-RAN, a proposed architecture for future cellular telecommunication networks; CRAN (R programming language), a package archive network for the R programming language; Cran (unit), a measurement of uncleaned herring; Cranberry, a fruit.

**CRAN - Package learnr**  
<https://cran.rstudio.com/web/packages/learnr/index.html> ▾

Mar 9, 2018 - learnr: Interactive Tutorials for R. Create interactive tutorials using R Markdown. Use a combination of narrative, figures, videos, exercises, and quizzes to create self-paced tutorials for learning about R and R packages. Version: 0.9.2. Imports: utils, parallel, withr, rroddirs, rprojroot, jsonlite, htmitools ...

# Installing (Windows and Mac)

Once on the CRAN page, select the version for your operating system: Linux, Mac OS X, or Windows. Here we show screenshots for Windows, but the process is similar for the other platforms. When they differ, we will also show screenshots for Mac OS X.

The screenshot shows a web browser displaying the CRAN homepage. The main content area is titled "The Comprehensive R Archive Network". A large "R" logo is on the left. The "Download and Install R" section is highlighted with a box. It contains a list of download links for Windows: "Download R for Linux", "Download R for (Mac) OS X", and "Download R for Windows". The "Download R for Windows" link is underlined and has a small mouse cursor icon hovering over it. Below this, a note says "R is part of many Linux distributions, you should check with your Linux package management system in addition to the link above." Another section, "Source Code for all Platforms", provides instructions for Windows and Mac users to download precompiled binaries instead of source code. It lists several bullet points about R releases and sources. At the bottom, there's a "Questions About R" section with a single bullet point about license terms.

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.

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 (2018-03-15, Someone to Lean On) [R-3.4.4.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

# Installing R (Windows)

Once at the CRAN download page, you will have several choices. You want to install the *base* subdirectory. This installs the basic packages you need to get started. We will later learn how to install other needed packages from within R.

The screenshot shows a web browser displaying the CRAN Windows download page. The title bar reads "The Comprehensive R Archive Network". The address bar shows a secure connection to "https://cran.r-project.org". The main content area is titled "R for Windows". On the left, there's a large R logo and a sidebar with links like "CRAN Mirrors", "What's new?", "Task Views", "Search", "About R", "R Homepage", and "The R Journal". The main content area has a heading "Subdirectories:" followed by a list:

<a href="#">base</a>	Binaries for base distribution. This is what you want to <a href="#">install R for the first time</a> .
<a href="#">contrib</a>	Binaries of contributed CRAN packages (for R >= 2.13.x; managed by Uwe Ligges). There is also information on <a href="#">third party software</a> available for CRAN Windows services and corresponding environment and make variables.
<a href="#">old contrib</a>	Binaries of contributed CRAN packages for outdated versions of R (for R < 2.13.x; managed by Uwe Ligges).
<a href="#">Rtools</a>	Tools to build R and R packages. This is what you want to build your own packages on Windows, or to build R itself.

A note below the list says: "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." At the bottom, it says: "You may also want to read the [R FAQ](#) and [R for Windows FAQ](#)". A note at the very bottom states: "Note: CRAN does some checks on these binaries for viruses, but cannot give guarantees. Use the normal precautions with downloaded executables."

# Installing R (Windows)

Click on the link for the latest version to start the download.

The Comprehensive R Archive Network

R-3.4.4 for Windows (32/64 bit)

[Download R 3.4.4 for Windows](#) (62 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 master server. You will need a version of `md5sum` for windows: both [graphical](#) and [command line versions](#) are available.

[About R](#)

[R Homepage](#)

[The R Journal](#)

[Software](#)

[R Sources](#)

[R Binaries](#)

[Packages](#)

[Other](#)

[Documentation](#)

[Manuals](#)

[FAQs](#)

[Contributed](#)

[Frequently asked questions](#)

- [Does R run under my version of Windows?](#)
- [How do I update packages in my previous version of R?](#)
- [Should I run 32-bit or 64-bit R?](#)

Please see the [R FAQ](#) for general information about R and the [R Windows FAQ](#) for Windows-specific information.

[Other builds](#)

- Patches to this release are incorporated in the [r-patched snapshot build](#).
- A build of the development version (which will eventually become the next major release of R) is available in the [r-devel snapshot build](#).
- [Previous releases](#)

Note to webmasters: A stable link which will redirect to the current Windows binary release is  
[<CRAN MIRROR>/bin/windows/base/release.htm](https://CRAN.MIRROR/bin/windows/base/release.htm)

Last change: 2018-03-15

https://cran.r-project.org/bin/windows/base/R-3.4.4-win.exe

3:13 PM 3/22/2018

# Installing R (Windows)

Once the installer file downloads, you can click on that tab to start the installation process. Some browsers may display this differently, so you will have to find where they store downloaded files and click on them to get the process started.

The screenshot shows a web browser window with the title bar "The Comprehensive R Archive Network". The address bar shows "Secure | https://cran.r-project.org". The main content area displays the "R-3.4.4 for Windows (32/64 bit)" page. On the left, there's a large "R" logo and a sidebar with links like "CRAN Mirrors", "What's new?", "Task Views", "Search", "About R", "R Homepage", "The R Journal", "Software", "R Sources", "R Binaries", "Packages", and "Other". The central content area has a large button labeled "Download R 3.4.4 for Windows (62 megabytes, 32/64 bit)". Below it are links for "Installation and other instructions" and "New features in this version". A note about md5sum fingerprinting is present. A "Frequently asked questions" section lists items like "Does R run under my version of Windows?", "How do I update packages in my previous version of R?", and "Should I run 32-bit or 64-bit R?". A note about the R FAQ and Windows FAQ follows. An "Other builds" section lists "Patches to this release", "A build of the development version", and "Previous releases". A note for webmasters is at the bottom, and a footer indicates the last change was on 2018-03-15.

# Installing R (Mac)

If using Safari on a Mac, things may look a little different

This directory contains binaries for a base distribution and packages to run on Mac OS X (release 10.6 and above). Mac OS 8.6 to 9.2 (and Mac OS X 10.1) are no longer supported but you can find the last supported release of R for these systems (which is R 1.7.1) [here](#). Releases for old Mac OS X systems (through Mac OS X 10.5) and PowerPC Macs can be found in the [old](#) directory.

Note: CRAN does not have Mac OS X systems and cannot check these binaries for viruses. Although we take precautions when assembling binaries, please use the normal precautions with downloaded executables.

As of 2016/03/01 package binaries for R versions older than 2.12.0 are only available from the [CRAN archive](#) so users of such versions should adjust the CRAN mirror setting accordingly.

R 3.4.4 "Someone to Lean On" released on 2018/03/15

**Important:** since R 3.4.0 release we are now providing binaries for OS X 10.11 (El Capitan) and higher using non-Apple toolkit to provide support for OpenMP and C++17 standard features. Please read the corresponding note below.

Please check the MD5 checksum of the downloaded image to ensure that it has not been tampered with or corrupted during the mirroring process. For example type  
md5 R-3.4.4.pkg  
in the Terminal application to print the MD5 checksum for the R-3.4.4.pkg image. On Mac OS X 10.7 and later you can also validate the signature using  
pkutil --check-signature R-3.4.4.pkg

**Files:**

**R-3.4.4.pkg**  
MD5-hash: 741276b7c44e617a9d75d80d9f53102  
SHA-  
hash: 56608ca7a85e9343b056c1b143ebf5cafc101dec  
(ca. 74MB)

**R 3.4.4 binary for OS X 10.11 (El Capitan) and higher, signed package.**  
Contains R 3.4.4 framework, R.app GUI 1.70 in 64-bit for Intel Macs, Tel/Tk 8.6 X11 libraries and Texinfo 5.2. The latter two components are optional and can be omitted when choosing "custom install", they are only needed if you want to use the `tkR` package or build package documentation from sources.

Note: the use of X11 (including `tkR`) requires [XQuartz](#) to be installed since it is no longer part of OS X. Always re-install XQuartz when upgrading your OS X to a new major version.

**Important:** this release uses Clang 4.0.0 and GNU Fortran 6.1, neither of which is supplied by Apple. If you wish to compile R packages from sources, you will need to download and install those tools - see the [tools](#) directory.

# Installing R (Mac)

If using Safari on a Mac, you can access the download through the download button.

The screenshot shows a Mac OS X browser window with the URL [cran.r-project.org](http://cran.r-project.org) in the address bar. The main content area displays the R for Mac OS X page. A file named "R-3.4.4.pkg" is highlighted with a yellow arrow icon, indicating it is ready to be downloaded. The "Downloads" tab is selected in the top right corner of the browser window.

This directory contains binaries for a base distribution and packages to run on OS 8.6 to 9.2 (and Mac OS X 10.1) are no longer supported but you can find them in the [old](#) directory.

Note: CRAN does not have Mac OS X systems and cannot check these binaries for viruses. Although we take precautions when assembling binaries, please use the normal precautions with downloaded executables.

As of 2016/03/01 package binaries for R versions older than 2.12.0 are only available from the [CRAN archive](#) so users of such versions should adjust the CRAN mirror setting accordingly.

R 3.4.4 "Someone to Lean On" released on 2018/03/15

**Important:** since R 3.4.0 release we are now providing binaries for OS X 10.11 (El Capitan) and higher using non-Apple toolkit to provide support for OpenMP and C++17 standard features. Please read the corresponding note below.

Please check the MD5 checksum of the downloaded image to ensure that it has not been tampered with or corrupted during the mirroring process. For example type

```
md5 R-3.4.4.pkg
```

in the Terminal application to print the MD5 checksum for the R-3.4.4.pkg image. On Mac OS X 10.7 and later you can also validate the signature using

```
pkutil --check-signature R-3.4.4.pkg
```

**Files:**

**R-3.4.4.pkg**  
MD5-hash: 741276b7c44e617a9d75d80d9f953b02  
SHA-  
hash: 56608c7a85e9343b056c1b143ebf5cafc101dec7  
(ca. 74MB)

R 3.4.4 binary for OS X 10.11 (El Capitan) and higher, signed package.  
Contains R 3.4.4 framework, Rapp GUI 1.70 in 64-bit for Intel Macs,  
Tcl/Tk 8.6.6 X11 libraries and Texinfo 5.2. 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.

Note: the use of X11 (including `tcltk`) requires [XQuartz](#) to be installed  
since it is no longer part of OS X. Always re-install XQuartz when  
upgrading your OS X to a new major version.

**Important:** this release uses Clang 4.0.0 and GNU Fortran 6.1, neither of  
which is supplied by Apple. If you wish to compile R packages from  
sources, you will need to download and install those tools - see the [tools](#)  
directory.

# Installing R (Windows)

You can now click through different choices to finish the installation.  
We recommend you select all the default choices.

The screenshot shows the CRAN R Project website for Windows. The main content area displays the download link for "Download R 3.4.4 for Windows" (62 megabytes, 32/64 bit) and links for "Installation and other instructions" and "New features in this version". Below this, a note about md5sum verification is present. A "Security Warning" dialog box is overlaid on the page, asking if the user wants to run the software from an unknown publisher. The dialog includes fields for Name, Publisher, Type, and From, and a checkbox for "Always ask before opening this file". A note at the bottom of the dialog states: "This file does not have a valid digital signature that verifies its publisher. You should only run software from publishers you trust. How can I decide what software to run?" To the right of the dialog, there is a section titled "Windows-specific information" and a note about the "r-devel snapshot". At the bottom left, there is a note for webmasters about stable links. The status bar at the bottom indicates "Opening R-3.4.4....exe...".

R-3.4.4 for Windows (32/64 bit)

Download R 3.4.4 for Windows (62 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 master server. You will need a version of md5sum for windows: both [graphical](#) and [command line versions](#) are available.

Open File - Security Warning

The publisher could not be verified. Are you sure you want to run this software?

Name: C:\Users\rafa\Downloads\R-3.4.4-win.exe  
Publisher: Unknown Publisher  
Type: Application  
From: C:\Users\rafa\Downloads\R-3.4.4-win.exe

Always ask before opening this file

Run  Cancel

This file does not have a valid digital signature that verifies its publisher. You should only run software from publishers you trust. [How can I decide what software to run?](#)

Please see the [R FAQ](#).

• Does R run under Windows?  
• How do I update R?  
• Should I run R 3.4.4 on Windows?

• Patches to this release  
• A build of the latest development build.  
• Previous releases

Note to webmasters: A stable link which will redirect to the current Windows binary release is <CRAN MIRROR>/bin/windows/base/release.htm

Last change: 2018-03-15

Opening R-3.4.4....exe... Show all

# Installing R (Windows)

Select the default even when you get an ominous warning.

The screenshot shows a web browser window displaying the CRAN R download page for Windows. The page title is "R-3.4.4 for Windows (32/64 bit)". Below the title, there are links for "Download R 3.4.4 for Windows" (62 megabytes, 32/64 bit), "Installation and other instructions", and "New features in this version". To the left, there is a large R logo and a sidebar with various CRAN links like "CRAN", "Mirrors", "What's new?", "Task Views", "Search", "About R", "R Homepage", "The R Journal", "Software", "R Sources", "R Binaries", "Packages", "Other", "Documentation", "Manuals", "FAQs", and "Contributed".

A prominent "User Account Control" dialog box is overlaid on the page. It asks, "Do you want to allow the following program from an unknown publisher to make changes to this computer?". The dialog provides details: "Program name: R-3.4.4-win.exe", "Publisher: Unknown", and "File origin: Downloaded from the Internet". It includes a "Show details" link, a "Change when these notifications appear" link, and two buttons: "Yes" (which is highlighted with a mouse cursor) and "No".

At the bottom of the page, there is a note for webmasters: "Note to webmasters: A stable link which will redirect to the current Windows binary release is <CRAN MIRROR>/bin/windows/base/release.htm".

The browser status bar at the bottom shows the date "Last change: 2018-03-15" and the time "3:16 PM" along with system icons.

# Installing R (Windows)

When selecting the language, consider that it will be easier to follow this tutorial if you select English.

The Comprehensive R Archive Network

R-3.4.4 for Windows (32/64 bit)

[Download R 3.4.4 for Windows](#) (62 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 master server. You will need a version of md5sum for windows: both [graphical](#) and [command line versions](#) are available.

**Frequently asked questions**

- [Does R run under my](#)
- [How do I update pack](#)
- [Should I run 32-bit or](#)

Please see the [FAQ](#) for general information.

**Select Setup Language**

Select the language to use during the installation:

English

FAQ for Windows-specific information.

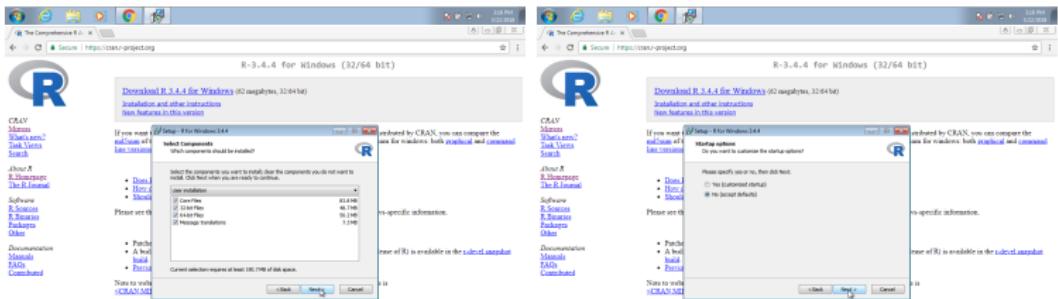
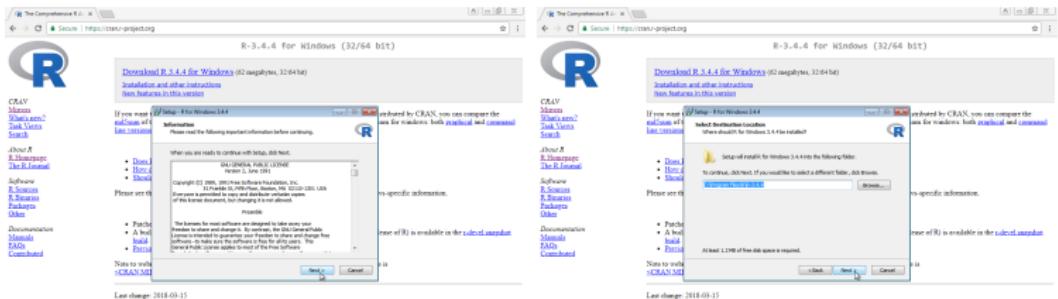
- Patches to this release
- A build of the development version (which will eventually become the next major release of R) is available in the [r-devel snapshot build](#).
- [Previous releases](#)

Note to webmasters: A stable link which will redirect to the current Windows binary release is  
<CRAN MIRROR>/bin/windows/base/release.htm.

Last change: 2018-03-15

# Installing R (Windows)

## Continue to select all the defaults:



# Installing R (Windows)

The image shows two nearly identical screenshots of the R 3.4.4 Windows installer setup wizard, Step 1: Select Destination Folder. Both screens have a title bar "R-3.4.4 for Windows (32/64 bit)".

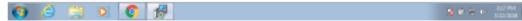
**Left Screen:** Shows the "Select Destination Folder" step. It has a "Setup - R for Windows 3.4.4" icon. A message says "Selected by CRAN, you can compare the file sizes for windows both [msys2](#) and [mingw32](#)". Below are "About R", "Documentation", "Software", "Manuals", "FAQs", and "Contact". A note says "Please see the [R Installation and Administration Guide](#) for more specific information." A "Patch" section lists "Patch", "A full build", and "Partial". A note at the bottom says "Note to sysadmins: [CRAN-MSI](#)".

**Right Screen:** Shows the same "Select Destination Folder" step. It has a "Setup - R for Windows 3.4.4" icon. A message says "Selected by CRAN, you can compare the file sizes for windows both [msys2](#) and [mingw32](#)". Below are "About R", "Documentation", "Software", "Manuals", "FAQs", and "Contact". A note says "Please see the [R Installation and Administration Guide](#) for more specific information." A "Patch" section lists "Patch", "A full build", and "Partial". A note at the bottom says "Note to sysadmins: [CRAN-MSI](#)".

The image shows a screenshot of the R 3.4.4 Windows installer setup wizard, Step 2: Select Additional Tasks. It has a title bar "R-3.4.4 for Windows (32/64 bit)".

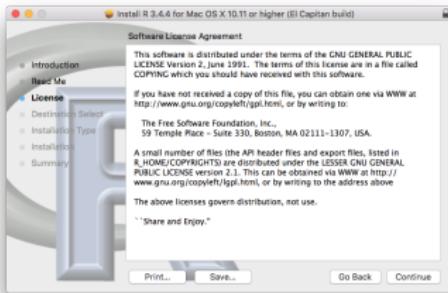
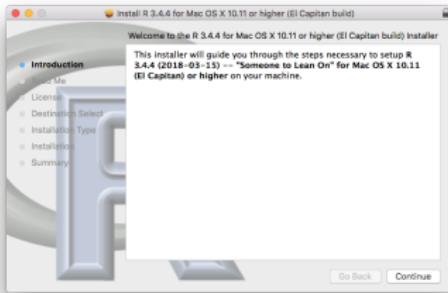
A message says "Selected by CRAN, you can compare the file sizes for windows both [msys2](#) and [mingw32](#)". Below are "About R", "Documentation", "Software", "Manuals", "FAQs", and "Contact". A note says "Please see the [R Installation and Administration Guide](#) for more specific information." A "Patch" section lists "Patch", "A full build", and "Partial". A note at the bottom says "Note to sysadmins: [CRAN-MSI](#)".

The main area shows "Select the additional tasks you would like to perform while installing R for this machine. You can change these later if needed." Under "Additional shortcuts", there are three checkboxes: "Create a desktop shortcut", "Create a Quick Launch shortcut", and "Save current registry settings". Under "Associate R with file types", there is one checkbox: "Associate R with .RData files". At the bottom are "Next >" and "Cancel" buttons.

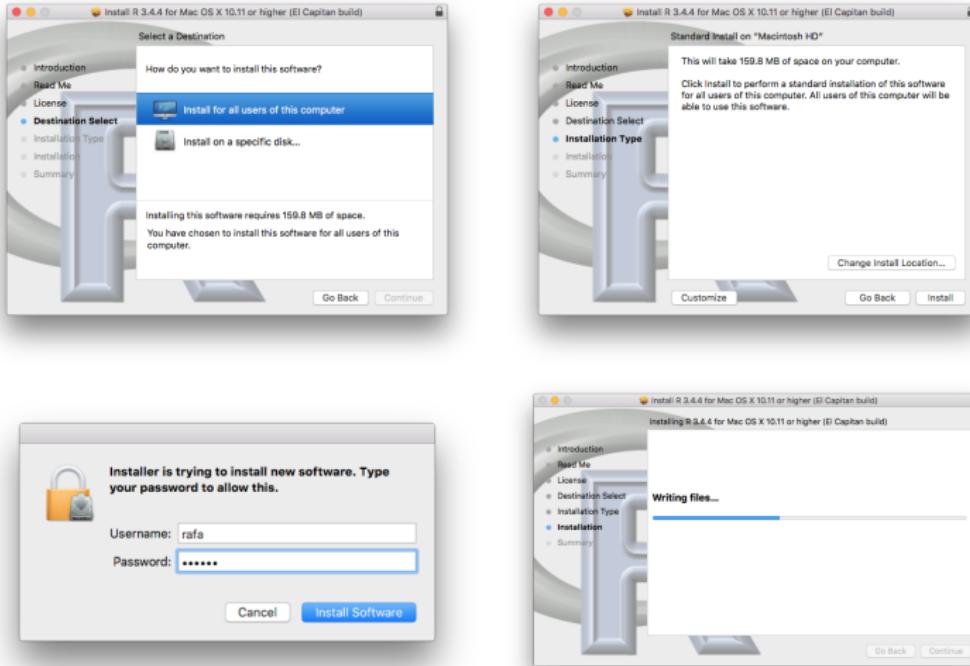


# Installing R (Mac)

On the Mac it looks different, but you are also accepting the defaults:

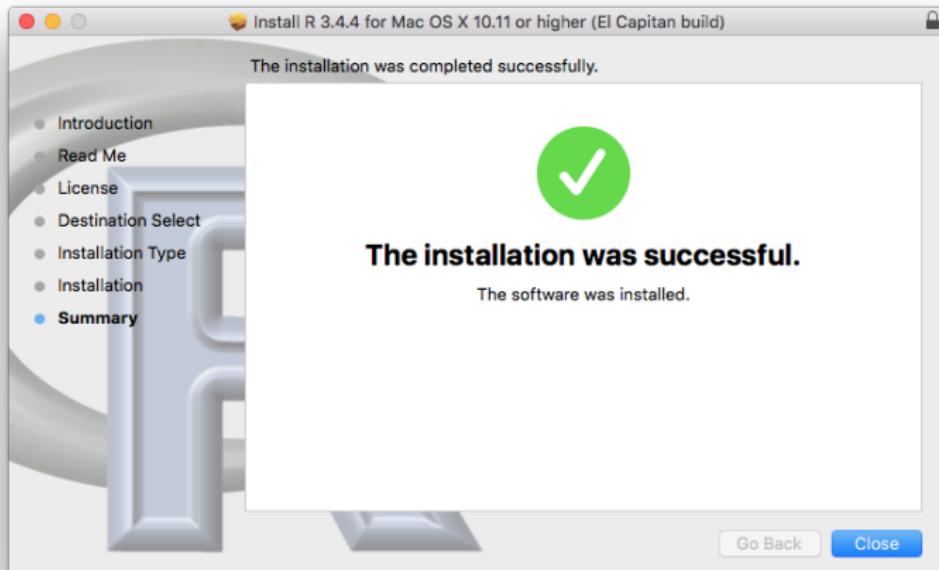


# Installing R (Mac)



# Installing R (Mac)

Congratulations! You have installed R.



# Installing RStudio (Windows and Mac)

To install RStudio, start by searching for “RStudio” on your browser:

The screenshot shows a Google search results page for "rstudio". The top navigation bar includes links for Safari, File, Edit, View, History, Bookmarks, Window, and Help. The search bar contains the query "rstudio". Below the search bar, there are filters for All, Images, Videos, Shopping, News, and More, along with a Tools dropdown and a SafeSearch dropdown.

About 76,400,000 results (0.27 seconds)

**Posit**  
https://posit.co › download › rstudio-desktop

**RStudio Desktop**

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 ...

R Packages · Enterprise · Cheatsheets · Resources

**Posit**  
https://posit.co › products › open-source › rstudio

**Download RStudio | The Popular Open-Source IDE from ...**

It includes a console, syntax-highlighting editor that supports direct code execution, and tools for plotting, history, debugging, and workspace management.

**Posit**  
https://posit.co

**Posit | The Open-Source Data Science Company**

The best data science is open source. Posit is committed to creating incredible open-source tools for individuals, teams, and enterprises.

RStudio Desktop · Download RStudio · RStudio IDE · RStudio Server

**Posit**  
https://posit.co › downloads

**Download RStudio**

RStudio IDE. The most popular coding environment for R, built with love by Posit. Used by millions of people weekly, the RStudio integrated development ...

**RStudio**  
Computer program

RStudio is an integrated development environment for R, a programming language for statistical computing and graphics. It is available in two formats: RStudio Desktop is a regular desktop application while RStudio Server runs on a remote server and allows accessing RStudio using a web browser. [Wikipedia](#)

**Programming languages:** Java, C++, JavaScript

**Developer:** Posit, Joseph J. Allaire

**Inventor:** JJ Allaire [source](#)

**Initial release:** 28 February 2011; 13 years ago

**License:** GNU Affero General Public License v3

**Operating system:** Ubuntu, Fedora, Red Hat Linux, openSUSE, macOS, Windows NT

**Platform:** IA-32, x86-64; Qt

**People also search for**

Anaconda Visual Studio Download ChatGPT

# Installing RStudio (Mac)

You should find the Posit/RStudio website as shown above. Once there, click on “Download RStudio Desktop for Mac OS 12+” below the 2: *Install RStudio* header. We first focus on Mac installation.

The screenshot shows a Safari browser window displaying the Posit/RStudio website. The URL bar shows 'posit.co'. The main content area has a green header with 'Grow your data science skills at posit::conf(2024)' and 'August 12th-14th in Seattle'. Below this is a navigation bar with 'LEARN MORE' and a search icon. The main heading is 'RStudio Desktop'. A sub-section titled 'DOWNLOAD' describes RStudio as an integrated development environment used by millions weekly. It mentions RStudio Cloud for free and enterprise features. Two sections are shown: '1: Install R' and '2: Install RStudio'. Both sections have a 'DOWNLOAD AND INSTALL R' button. The '2: Install RStudio' section notes compatibility with macOS 12+ and links to previous versions.

Safari File Edit View History Bookmarks Window Help

posit.co

Grow your data science skills at posit::conf(2024) | August 12th-14th in Seattle

LEARN MORE X

posit PRODUCTS SOLUTIONS LEARN & SUPPORT EXPLORE MORE PRICING

Q

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

### 2: Install RStudio

DOWNLOAD RSTUDIO DESKTOP FOR MACOS 12+

This version of RStudio is only supported on macOS 12 and higher. For earlier macOS environments, please [download a previous version](#).

Size: 382.66 MB | SHA-256: C8D91B5D | Version: 2023.12.1+402 |

# Installing RStudio (Mac)

The download process should start. For Safari on Mac, you should see the progress in the bar at the top right. Double click on the download when its complete.

A screenshot of a Mac OS X desktop showing a web browser window for posit.co. The browser title bar says "Safari". The main content area shows the RStudio Desktop download page. At the top, it says "Grow your data science skills at posit::conf(2024) | August 12th-14th in Seattle". Below that is the posit logo and navigation links for PRODUCTS, SOLUTIONS, LEARN & SUPPORT, EXPLORE MORE, and PRICING. A "DOWNLOAD" button is visible. The main heading is "RStudio Desktop". Below it, a paragraph explains that RStudio is used by millions weekly and is an integrated development environment for R and Python. Another paragraph encourages users to download RStudio Cloud for free or book a call if they need enterprise features. In the top right corner of the screen, the Mac OS X Dock shows the "Downloads" icon with two items: "RStudio-2023.12.1-402.dmg" (260.3 MB of 382.7 MB) and "RStudio-2023.12.1-402.dmg" (382.7 MB). The "Downloads" window is open, showing these files.

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](#)

**2: Install RStudio**

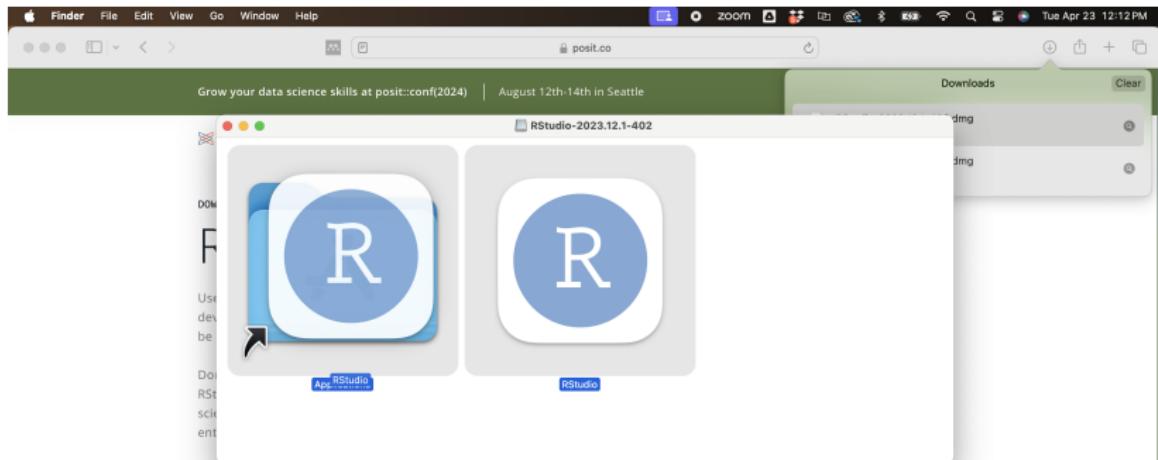
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# Installing RStudio (Mac)

Now drag and drop the RStudio icon over the Applications icon:



## 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

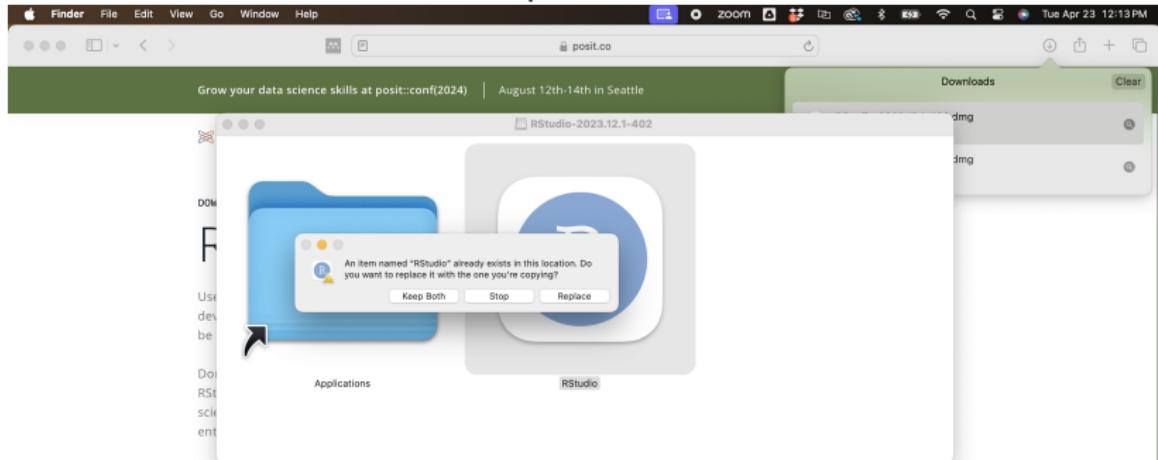
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Size: 382.66 MB | [SHA-256: C8D9185D](#) | Version: 2023.12.1+402 |

# Installing RStudio (Mac)

If you have a previous version of RStudio installed, it may ask if you want to overwrite the old version. We usually want to replace the old with the new, so click “Replace”.



## 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

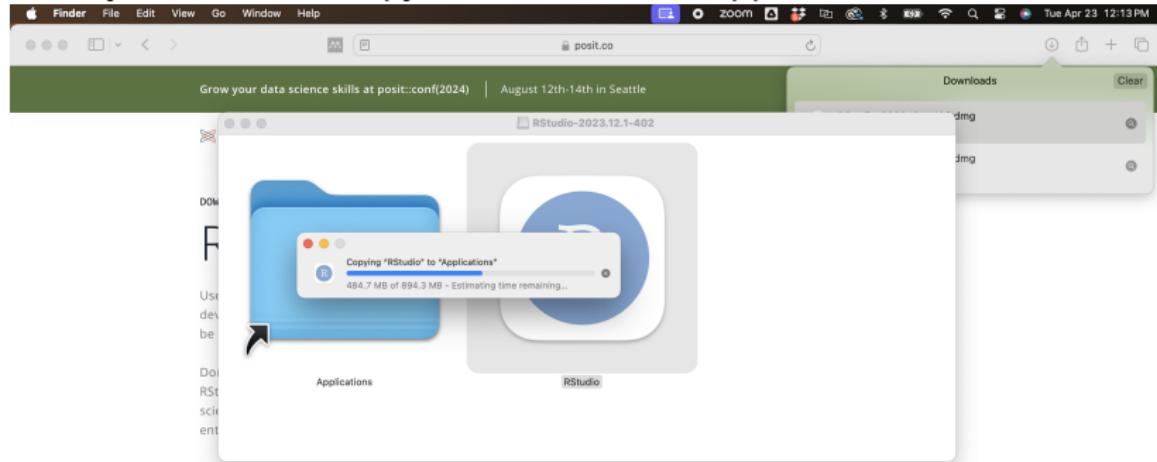
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# Installing RStudio (Mac)

The system should copy RStudio to the Applications folder:



## 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

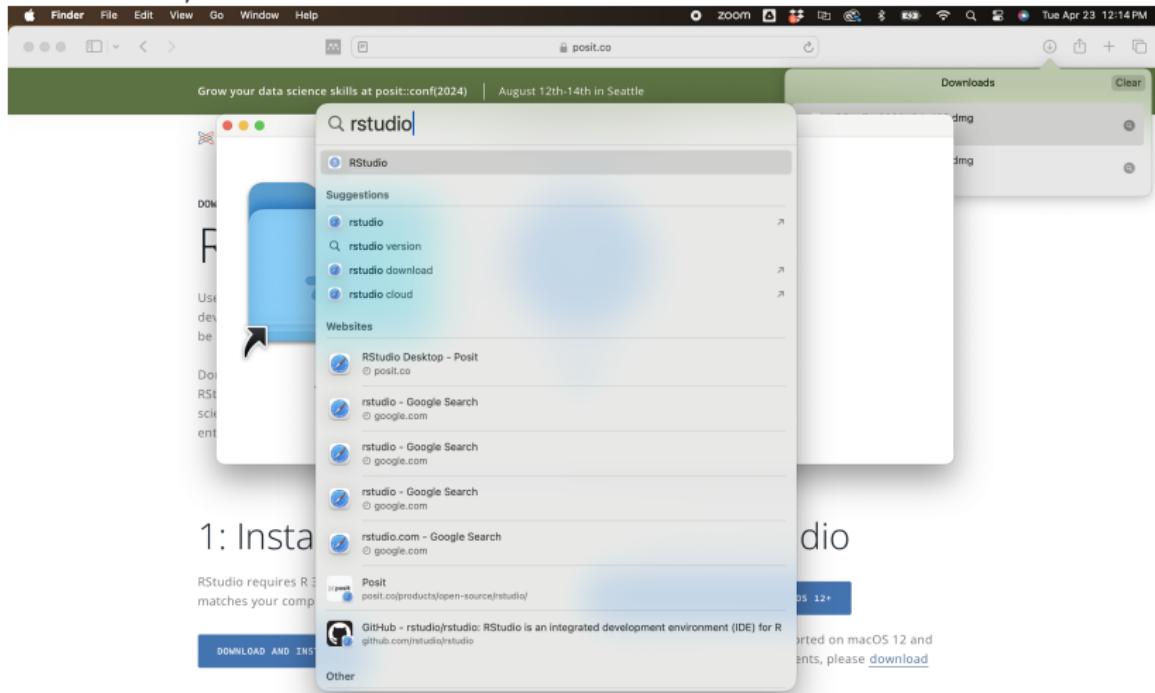
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Size: 382.66 MB | [SHA-256: C8D9185D](#) | Version: 2023.12.1+402 |

# Running RStudio (Mac)

Congratulations! You have installed RStudio. On the Mac, it will be in the Applications folder. Or you can click on the *Spotlight Search* (magnifying glass in top right corner) and type `rstudio` into that search bar, then hit enter.



# Installing RStudio (Windows)

For Windows, the process is similar. From the RStudio main page, click on “Download RStudio Desktop for Windows” below the *2: Install RStudio* header.

RStudio Desktop - Posit posit.co/download/rstudio-desktop/ Guest

Recent download history

- Anyone using this device can see downloaded files
- RStudio-2023.12.1-402.exe  
206 MB 1 minute ago

Full download history

**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.

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**1: Install R**

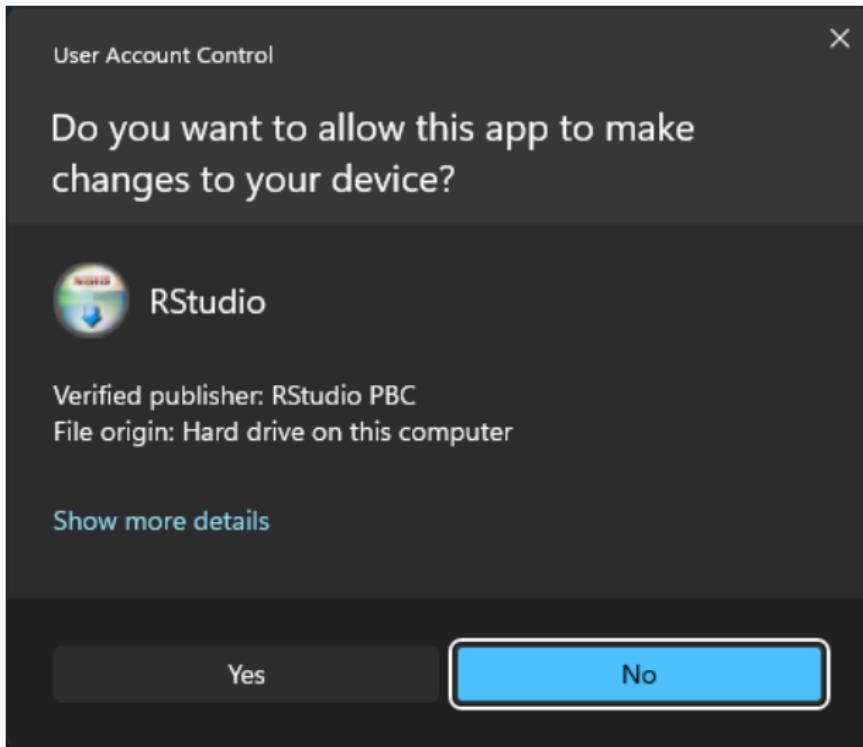
RStudio requires R 3.3.0+. Choose a version of R that matches your computer's operating system.

**2: Install RStudio**

DOWNLOAD RSTUDIO DESKTOP FOR WINDOWS

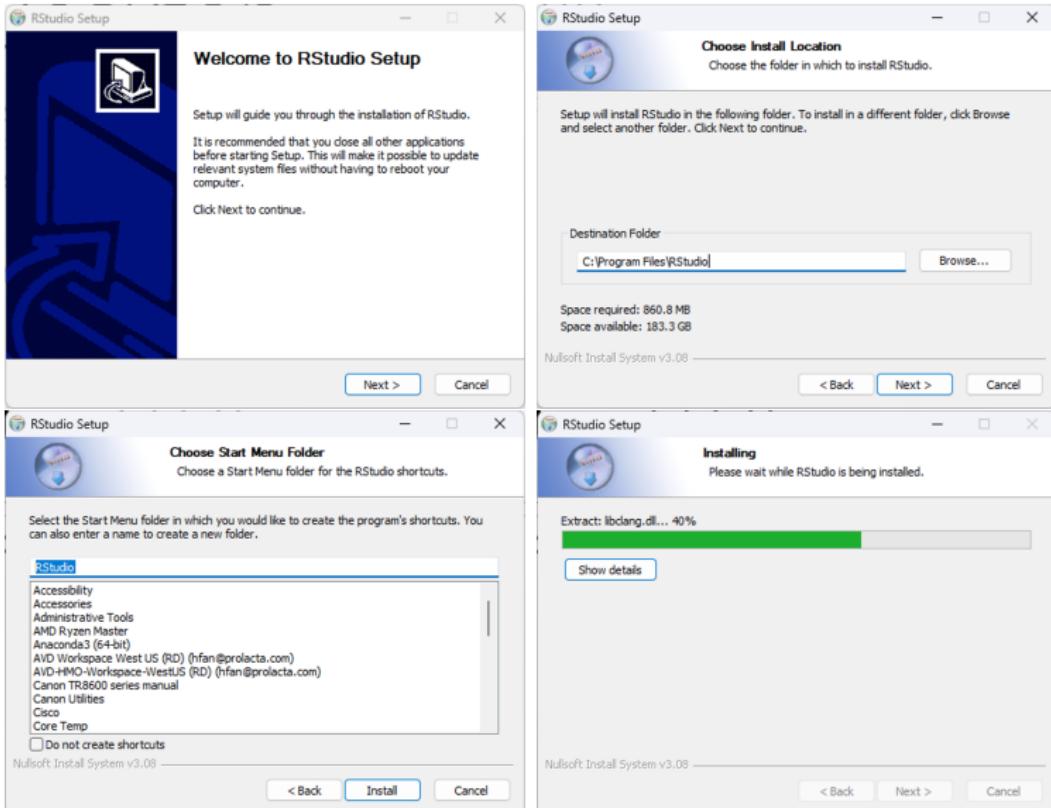
# Installing RStudio (Windows)

You may receive a warning, just click “Yes” to continue the install.



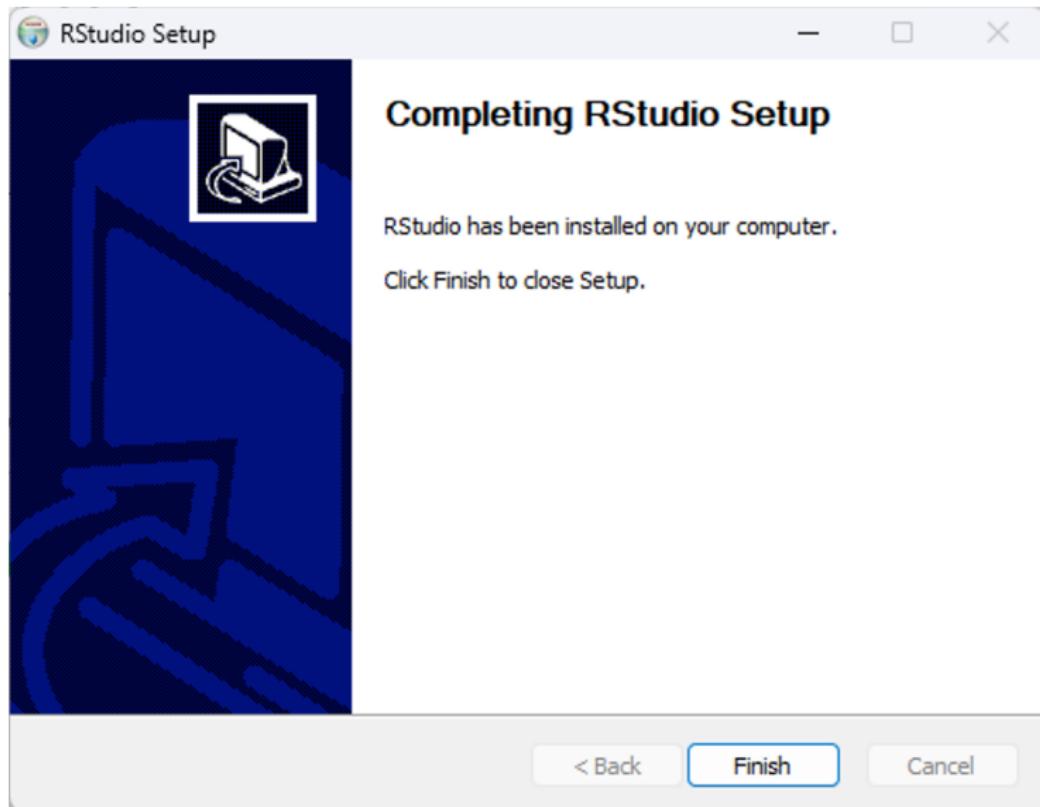
# Installing RStudio (Windows)

Follow the instructions to install RStudio, defaults are fine.



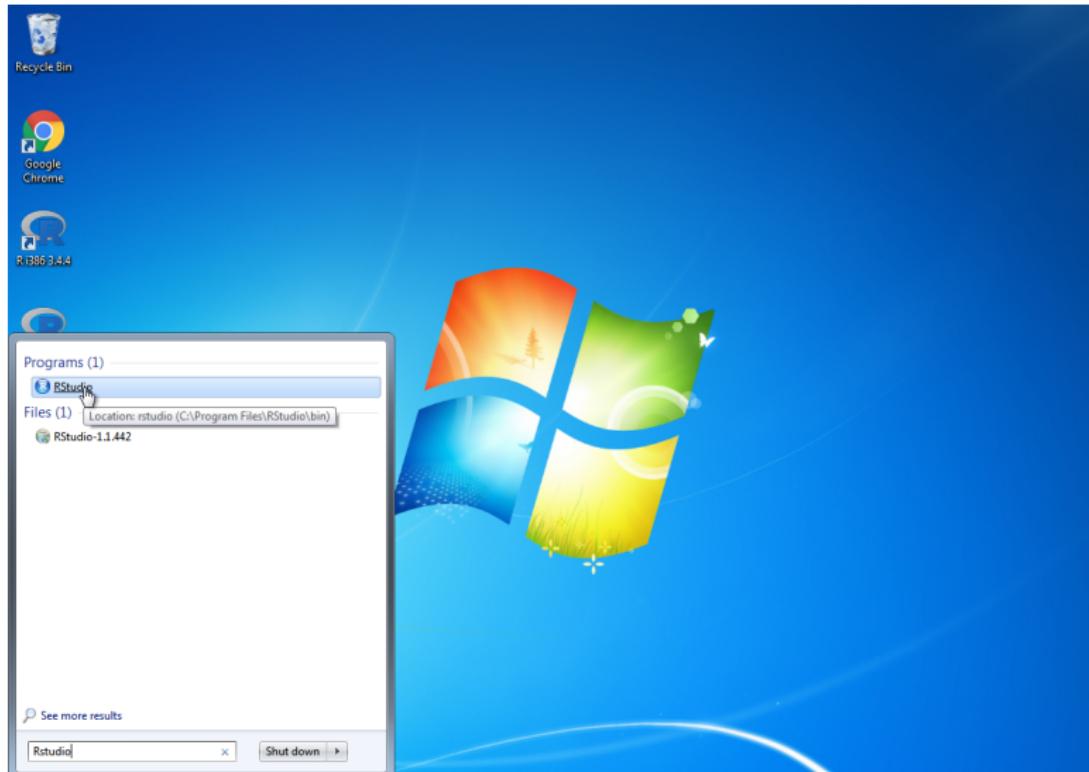
# Installing RStudio (Windows)

Congratulations! You are done!



# Running RStudio (Windows)

On Windows, you can open RStudio from the *Start* menu. If RStudio does not appear, you can search for it:



# Session Info

```
sessionInfo()
```

```
## R version 4.3.2 (2023-10-31)
## Platform: aarch64-apple-darwin20 (64-bit)
## Running under: macOS Sonoma 14.2.1
##
## Matrix products: default
## BLAS:    /Library/Frameworks/R.framework/Versions/4.3-arm64/Resources/lib/lib
## LAPACK:  /Library/Frameworks/R.framework/Versions/4.3-arm64/Resources/lib/lib
##
## locale:
## [1] en_US.UTF-8/en_US.UTF-8/en_US.UTF-8/C/en_US.UTF-8/en_US.UTF-8
## 
## time zone: America/Denver
## tzcode source: internal
##
## attached base packages:
## [1] stats      graphics   grDevices utils      datasets   methods    base
##
## loaded via a namespace (and not attached):
## [1] compiler_4.3.2    fastmap_1.1.1    cli_3.6.2       tools_4.3.2
## [5] htmltools_0.5.8   rstudioapi_0.16.0 yaml_2.3.8     rmarkdown_2.26
## [9] knitr_1.45        xfun_0.43       digest_0.6.35   rlang_1.1.3
## [13] evaluate_0.23
```