

Getting Started with R and Rstudio

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11/8/2023

Installing R and RStudio

The instructions on the following slides include screen shots from the installation process using the Chrome browser which, although not necessary, you can freely download and install from here:
<https://www.google.com/chrome/>

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)

You can download R from the Comprehensive R Archive Network (CRAN)¹. Search for CRAN on your browser:

The screenshot shows a Google search results page for the query "CRAN". The results are filtered by "All" and show approximately 17,700,000 results. The top result is a link to the "Comprehensive R Archive Network" (CRAN) at <https://cran.r-project.org/>. The snippet describes CRAN as a freely available language and environment for statistical computing and graphics. Below the main result, there are sections for "Contributed Packages", "CRAN and", "Cran - Wikipedia", and "CRAN - Package learnr". Each section has a brief description and a "More results from r-project.org" link.

Google CRAN - Google Search

Secure | https://www.google.com/search?rlz=1C1CHBF_enUS789US789&ei=9g20WuOsPKejw5Ev5-IBA&q=CRAN&oq=CRAN&gs_l=psy-ab.3.0l131i67k1j...

CRAN

All Images Videos Books Maps More Settings Tools Sign in

About 17,700,000 results (0.50 seconds)

[The Comprehensive R Archive Network](https://cran.r-project.org/)
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 ...

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, rppdir, 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 mouse cursor 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 download links for source code and contributed packages. At the bottom, there's a "Questions About R" section with a link to 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, rather than from this webpage.

The screenshot shows a web browser window displaying the CRAN download page for Windows. The title bar reads "The Comprehensive R Archive Network". The main content area is titled "R for Windows". On the left, there's a large blue R logo and a sidebar with various navigation links. The central part of the page is titled "Subdirectories:" and lists four options: "base", "contrib", "old contrib", and "Rtools". Each option has a brief description and a link to more information. Below these, there's a note about not submitting binaries and a link to the RFAQ.

R for Windows

Subdirectories:

- [base](#) Binaries for base distribution. This is what you want to [install R for the first time](#).
- [contrib](#) Binaries of contributed CRAN packages (for R >= 2.13.x; managed by Uwe Ligges). There is also information on [third party software](#) available for CRAN Windows services and corresponding environment and make variables.
- [old contrib](#) Binaries of contributed CRAN packages for outdated versions of R (for R < 2.13.x; managed by Uwe Ligges).
- [Rtools](#) 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 [RFAQ](#) 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.

About R
[R Homepage](#)
[The R Journal](#)

Software
[R Sources](#)
[R Binaries](#)
[Packages](#)
[Other](#)

Documentation
[Manuals](#)
[FAQs](#)
[Contributed](#)

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](#)

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
Contributed

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 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)

If you are using Chrome, at the bottom of your browser you should see a tab that shows you the progress of the download. Once the installer file downloads, you can click on that tab to start the installation process. Other browsers may be different, 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 URL <https://cran.r-project.org>. The page title is "R-3.4.4 for Windows (32/64 bit)". On the left, there is a large blue "R" logo and a sidebar with links like "CRAN Mirrors", "What's new?", "Task Views", and "Search". The main content area has a heading "Download R 3.4.4 for Windows (62 megabytes, 32/64 bit)" with three links: "Installation and other Instructions", "New features in this version", and "Frequently asked questions". Below this, there is a note about double-checking package integrity using md5sum and fingerprint. Further down, there are sections for "Other builds" (with links to patched and development snapshots) and a note for webmasters about stable redirects.

The browser interface includes standard navigation buttons (back, forward, search), a secure connection indicator, and a menu bar.

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>

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 8.6.6 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 in the address bar. The page content is for the "R for Mac OS X" section. A file named "R-3.4.4.pkg" is highlighted with a yellow box and a download button icon, indicating it is ready to be downloaded. The page includes links for "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". It also contains notes about MD5 checksums and package signatures, and a note about XQuartz requirements.

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: 741276b7c44e617a9d75d80d9f953b2
SHA-
hash: 56608c7a85e9343b056cb143ebf5cafc101dec7
(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. On the left sidebar, there are links for "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 "Windows-specific information" section is visible on the right. A "Security Warning" dialog box is overlaid on the page, asking if the user wants to run the executable from an unknown publisher. The dialog includes fields for Name, Publisher, Type, and From, and a checkbox for "Always ask before opening this file".

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](#).

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, the CRAN navigation menu includes links for CRAN, Mirrors, What's new?, Task Views, Search, About R, R Homepage, The R Journal, Software, R Sources, R Binaries, Packages, Other, Documentation, Manuals, FAQ's, and Contributed. A sidebar on the right lists "Please see the" sections for Patches, A build, build., and Previous releases. At the bottom, a note for webmasters provides a stable link to the current Windows binary release. A User Account Control (UAC) dialog box is overlaid on the page, asking "Do you want to allow the following program from an unknown publisher to make changes to this computer?". The dialog box shows the following details: Program name: R-3.4.4-win.exe, Publisher: Unknown, File origin: Downloaded from the Internet. It includes "Show details" and "Change when these notifications appear" buttons, and "Yes" and "No" buttons. The "Yes" button is highlighted with a mouse cursor. The system tray at the bottom shows icons for File Explorer, Task View, and Google Chrome, along with a battery icon and the time "3:16 PM 3/22/2018".

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:

The image displays two side-by-side screenshots of the R 3.4.4 Windows installer. Both screenshots show the 'Select Components' step, which asks if the user wants to install core components or optional packages. The left screenshot shows the 'Core Components' checkbox selected, while the right screenshot shows it unselected. Both screenshots also show the 'Please see the' section with the same text: 'The license is very permissive, so you can copy the code to make your own applications. Please note that the license does not allow you to redistribute the source code of R. If you do, you must include the original source code in your distribution.' Below this is a note about free disk space required: 'At least 1.2GB of free disk space is required.'

The image displays two side-by-side screenshots of the R 3.4.4 Windows installer. Both screenshots show the 'Select Options' step, which asks if the user wants to change the startup options. The left screenshot shows the 'Yes (recommended)' radio button selected, while the right screenshot shows the 'No (select defaults)' radio button selected. Both screenshots also show the 'Please see the' section with the same text: 'Please specify yes or no, then click Next.' Below this is a note about free disk space required: 'At least 1.2GB of free disk space is required.'



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" checkbox checked. Below it are three radio button options: "Default Program Folder" (selected), "My Computer", and "Taskbar". A note says "If you want to change the destination folder, click here." At the bottom are "Next >" and "Cancel" buttons.

Right Screen: Shows the same step. The "Setup R for Windows 3.4.4" checkbox is checked. The radio button options are "Default Program Folder" (selected), "My Computer", and "Taskbar". A note says "If you want to change the destination folder, click here." At the bottom are "Next >" and "Cancel" buttons.

The image shows two nearly identical screenshots of the R 3.4.4 Windows installer setup wizard, Step 2: Set Additional Tasks. Both screens have a title bar "R-3.4.4 for Windows (32/64 bit)".

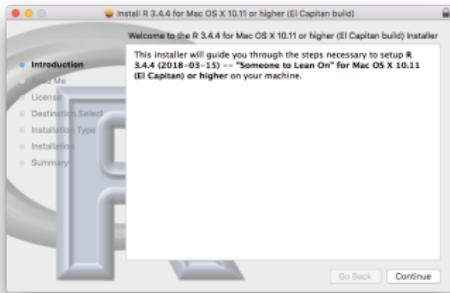
Left Screen: Shows the "Set Additional Tasks" step. It has a "Select the additional tasks you would like to perform while installing R for Windows 3.4.4" checkbox checked. Below it are three radio button options: "None" (selected), "Help" (unchecked), and "Show" (unchecked). A note says "Please see the documentation for more information." At the bottom are "Next >" and "Cancel" buttons.

Right Screen: Shows the same step. The "Select the additional tasks you would like to perform while installing R for Windows 3.4.4" checkbox is checked. The radio button options are "None" (selected), "Help" (unchecked), and "Show" (unchecked). A note says "Please see the documentation for more information." At the bottom are "Next >" and "Cancel" buttons.

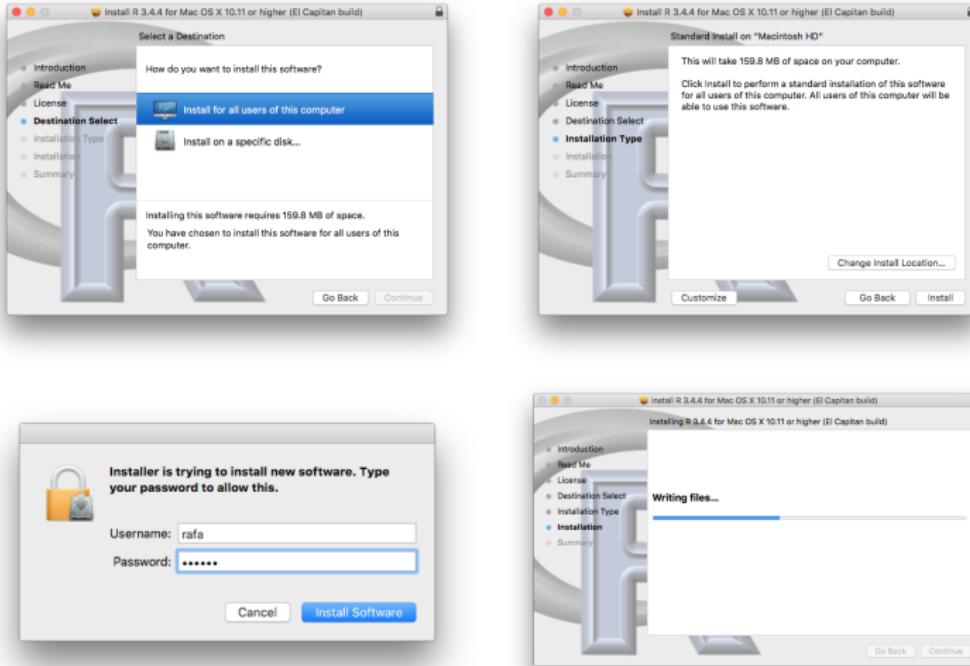


Installing R (Mac)

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

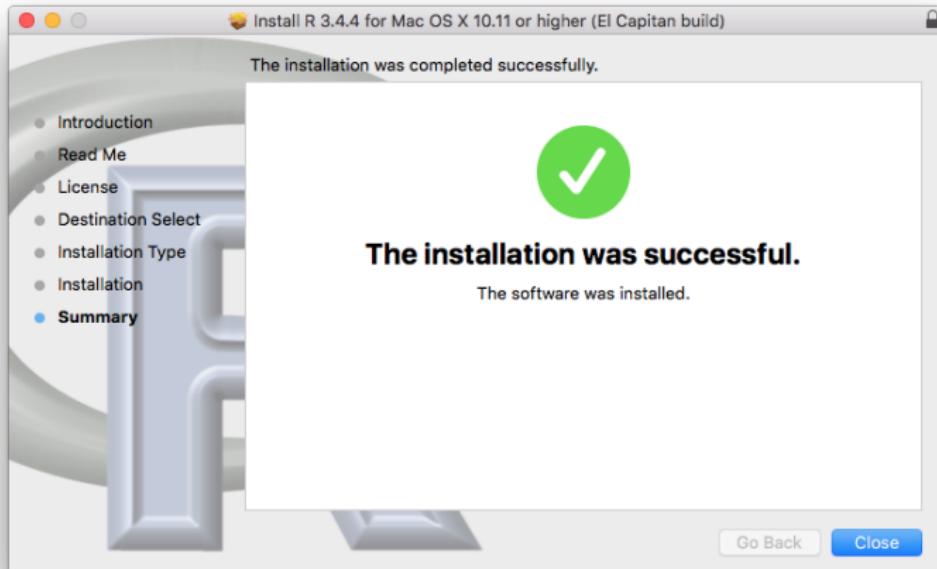


Installing R (Mac)



Installing R (Mac)

Congratulations! You have installed R.



Installing RStudio (Windows and Mac)

You can start by searching for RStudio on your browser:

The screenshot shows a Google search results page for the query "rstudio". The top result is a link to the official RStudio website: [RStudio – Open source and enterprise-ready professional software for R](https://www.rstudio.com/). The snippet from the page describes RStudio as an active member of the R community, providing free and open source data analysis software for science, education, and industry. Below this, there are several other search results related to RStudio, such as "Download RStudio", "RStudio Desktop", "RStudio Server", and "RStudio (@rstudio) - Twitter". To the right of the search results, there is a large thumbnail image for RStudio, which features the R logo and the word "roxygen2" inside a blue hexagon. Below this image, there is a brief description of RStudio as a computer program and some additional details about its license and history.

rstudio - Google Search

Secure | https://www.google.com/search?q=rstudio&rlz=1C1CHBF_enUS789US789&oq=Rstudio&aqs=chrome.0.65j59j69j60j0j69j60l2j0.1433j0j7&sourceid...

Google

rstudio

All Images Videos News Books More Settings Tools

About 4,420,000 results (0.55 seconds)

[RStudio – Open source and enterprise-ready professional software for R](https://www.rstudio.com/)
https://www.rstudio.com/ ▾

RStudio is an active member of the R community. We believe free and open source data analysis software is a foundation for innovative and important work in science, education, and industry. The many customers who value our professional software capabilities help us contribute to this community. Waze, GeoCF, EDF.

Results from rstudio.com

[Download RStudio](#)
RStudio is a set of integrated tools designed to help you be more ...

[RStudio Desktop](#)
RStudio Desktop, Commercial License, RStudio Server, Open ...

[RStudio Server](#)
Server, Centralize access and computation. RStudio Server ...

[RStudio \(@rstudio\) · Twitter](#)
https://twitter.com/rstudio

Here's the latest post from RViews "Multiple Versions of R" zpr.io/nhDf8

Watch Sandra Griffith @sgrifter talk about "Accelerating cancer research with R". Challenges, opportunities, and learnings

Watch Julia Silge @juliasilge help breakdown Principal Component Analysis using Shiny and @StackOverflow Data. buff.ly/2FCu4v8 #studioconf

RStudio
Computer program

RStudio is a free and open-source integrated development environment for R, a programming language for statistical computing and graphics. RStudio was founded by JJ Allaire, creator of the programming language ColdFusion. Wikipedia

License: Affero General Public License v3
Stable release: 1.1.414 / 17 January 2018; 54 days ago

Developer(s): RStudio, Inc
Initial release: 28 February 2011; 7 years ago

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

Written in: Java C++ luaScript

3:18 PM 3/22/2018

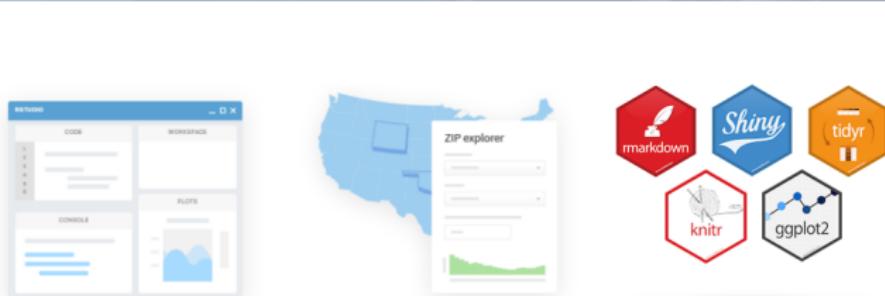
https://www.rstudio.com

Windows icon, Internet Explorer icon, File icon, Play icon, Chrome icon

Installing RStudio (Windows and Mac)

You should find the RStudio website as shown above. Once there, click on *Download RStudio*.

The screenshot shows the RStudio website at https://www.rstudio.com. The header includes the RStudio logo, navigation links for Products, Resources, Pricing, About Us, Blogs, and a search icon. The main content features a large "RStudio" logo and the text "Open source and enterprise-ready professional software for R". To the right, there are four call-to-action buttons: "Download RStudio", "Discover Shiny", "shinyapps.io Login", and "Discover RStudio Connect". A small "..." indicates more content below.



Installing RStudio (Windows and Mac)

This will give you several options. For what we do in this tutorial, it is more than enough to use the free Desktop version:

Choose Your Version of RStudio

RStudio is a set of integrated tools designed to help you be more productive with R. 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. [Learn More about RStudio features.](#)

RStudio Desktop Open Source License	RStudio Desktop Commercial License	RStudio Server Open Source License	RStudio Server Pro Commercial License	RStudio Server Pro + RStudio Connect Commercial License
FREE	\$995 per year	FREE	\$9,995 per year	\$29,995 per year
DOWNLOAD Learn More	BUY Learn More	DOWNLOAD Learn More	DOWNLOAD Learn More	TALK Learn More
Integrated Tools for R	●	●	●	●
Priority Support	●	●	●	●
Access via Web Browser	●	●	●	●

Estimated shipping and handling
Total \$29,995 per year

Installing RStudio (Windows and Mac)

Once you select this option, it will take you to a page in which the operating system options are provided. Click the link showing your operating system.

The screenshot shows a web browser displaying the RStudio download page at <https://www.rstudio.com/products/rstudio/download/#download>. The page features the RStudio logo and navigation links for Products, Resources, Pricing, About Us, Blogs, and a search icon. Below the navigation, a heading reads "RStudio Desktop 1.1.442 — Release Notes". A note states that RStudio requires R 3.0.1+. A link "If you don't already have R, download it here." is provided. The main content area is titled "Installers for Supported Platforms" and lists various installer files with their sizes, dates, and MD5 checksums. Below this, there is a section for "Zip/Tarballs" containing zip/tar archive files with similar details. At the bottom, a link provides a tarball containing source code for RStudio v1.1.442.

Installers	Size	Date	MD5
RStudio 1.1.442 - Windows Vista/7/8/10	85.8 MB	2018-03-12	25a6eb8ecae4fd71901c977dbcfb104b
RStudio 1.1.442 - Mac OS X 10.6+ (64-bit)	74.5 MB	2018-03-12	89613427803a1e515372075ec2e2d4b2
RStudio 1.1.442 - Ubuntu 12.04-15.10/Debian 8 (32-bit)	89.3 MB	2018-03-12	090fc1fec90e3d621bc89e113c8dc28
RStudio 1.1.442 - Ubuntu 12.04-15.10/Debian 8 (64-bit)	97.4 MB	2018-03-12	2c0805a6a8f12b06c7e6b343692288fd
RStudio 1.1.442 - Ubuntu 18.04+/Debian 9+ (64-bit)	85.1 MB	2018-03-12	c9eb172938b10626fb4ad65fa81c7175
RStudio 1.1.442 - Fedora 19+/RedHat 7+/openSUSE 13.1+ (32-bit)	88.1 MB	2018-03-12	77ced16b9ca8d9c636d388b842a60e1c
RStudio 1.1.442 - Fedora 19+/RedHat 7+/openSUSE 13.1+ (64-bit)	90.6 MB	2018-03-12	8e6435aa53fa0ea9b78ef9c09b6419f4

Zip/tar archives	Size	Date	MD5
RStudio 1.1.442 - Windows Vista/7/8/10	122.9 MB	2018-03-12	1e10561019b724fc7f08cdc1cc6373b6
RStudio 1.1.442 - Ubuntu 12.04-15.10/Debian 8 (32-bit)	90 MB	2018-03-12	f74849089f723bd0222fd37fab1e2404
RStudio 1.1.442 - Ubuntu 12.04-15.10/Debian 8 (64-bit)	98.3 MB	2018-03-12	9badaf8b0fe688bb130014cae22e0e
RStudio 1.1.442 - Fedora 19+/RedHat 7+/openSUSE 13.1+ (32-bit)	88.8 MB	2018-03-12	5c1a42f51bfca78c6c47c225f90c088
RStudio 1.1.442 - Fedora 19+/RedHat 7+/openSUSE 13.1+ (64-bit)	91.4 MB	2018-03-12	f19a76c9a466011d7b01d70a17787a5f

Source Code

A tarball containing source code for RStudio v1.1.442 can be downloaded from [here](#).

Installing RStudio (Windows)

Once the installation file is downloaded, click on the downloaded file to start the installation process:

The screenshot shows the RStudio Desktop 1.1.442 download page. The 'Installers for Supported Platforms' section lists various installer files with their sizes and MD5 checksums. Below this, the 'Zip/Tarballs' section lists tarball archives with their sizes and MD5 checksums. A 'Source Code' section is also present.

Installers	Size	Date	MD5
RStudio 1.1.442 - Windows Vista/7/8/10	85.8 MB	2018-03-12	25a6eb8ecae4fd71901c977dbcfcfb104b
RStudio 1.1.442 - Mac OS X 10.6+ (64-bit)	74.5 MB	2018-03-12	89613427803a1e51637287sec2e2dcb2
RStudio 1.1.442 - Ubuntu 12.04-15.10/Debian 8 (32-bit)	89.3 MB	2018-03-12	090fcb1fec90e3d621cb389e113c8dc28
RStudio 1.1.442 - Ubuntu 12.04-15.10/Debian 8 (64-bit)	97.4 MB	2018-03-12	2c0805a6a8f12b06c7e6b34369228bfdf
RStudio 1.1.442 - Ubuntu 16.04+,Debian 9+ (64-bit)	65.1 MB	2018-03-12	c9eb17293bb1e0626fb4d65fa81c7175
RStudio 1.1.442 - Fedora 19+/RedHat 7+/openSUSE 13.1+ (32-bit)	88.1 MB	2018-03-12	77ced16b9c8a0d9c636d388b842a660e1c
RStudio 1.1.442 - Fedora 19+/RedHat 7+/openSUSE 13.1+ (64-bit)	90.6 MB	2018-03-12	8e6435aa53fa0ea9878ef9c09b6419f4

Zip/tar archives	Size	Date	MD5
RStudio 1.1.442 - Windows Vista/7/10	122.9 MB	2018-03-12	1e10561019b724fc7f08cdc1cc6373b6
RStudio 1.1.442 - Ubuntu 12.04-15.10/Debian 8 (32-bit)	90 MB	2018-03-12	f748490809f723bd0222fd37fable2404
RStudio 1.1.442 - Ubuntu 12.04-15.10/Debian 8 (64-bit)	98.3 MB	2018-03-12	9badaf8b0fe688b0b130014cae22e0e
RStudio 1.1.442 - Fedora 19+/RedHat 7+/openSUSE 13.1+ (32-bit)	88.8 MB	2018-03-12	5c1a42f51bbfca78c6c47c225f90c088
RStudio 1.1.442 - Fedora 19+/RedHat 7+/openSUSE 13.1+ (64-bit)	91.4 MB	2018-03-12	f19a76c9a466011db01d70a17787a5f

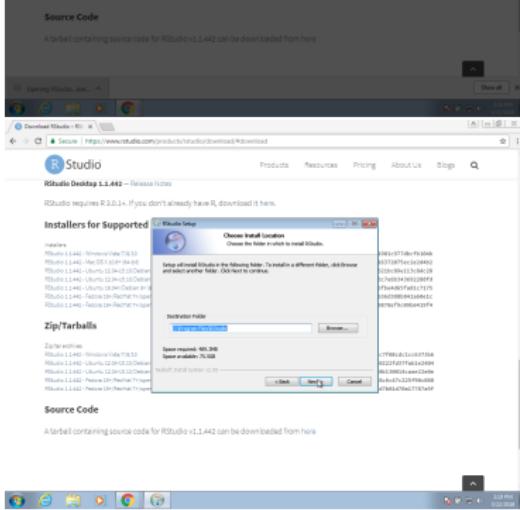
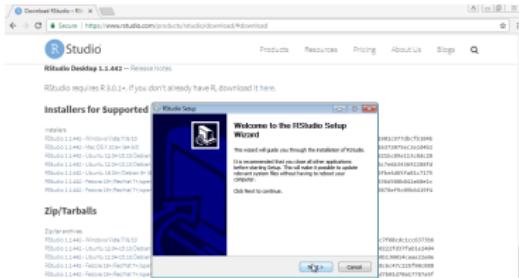
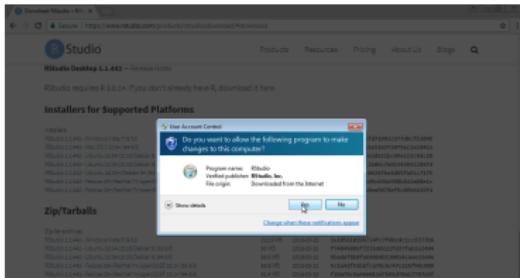
Source Code

A tarball containing source code for RStudio v1.1.442 can be downloaded from here

The taskbar icon for the RStudio 1.1.442 setup file is visible, indicating the file has been downloaded.

Installing RStudio (Windows)

We recommend clicking yes on all the defaults.

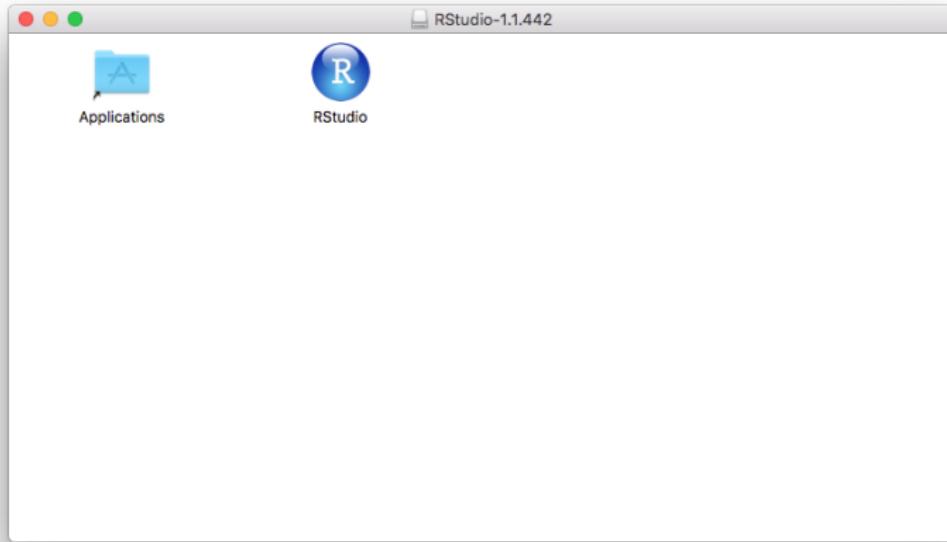


Installing RStudio (Windows)



Installing RStudio (Mac)

On the Mac, there are fewer clicks. You basically drag and drop the RStudio icon into the Applications folder icon here:

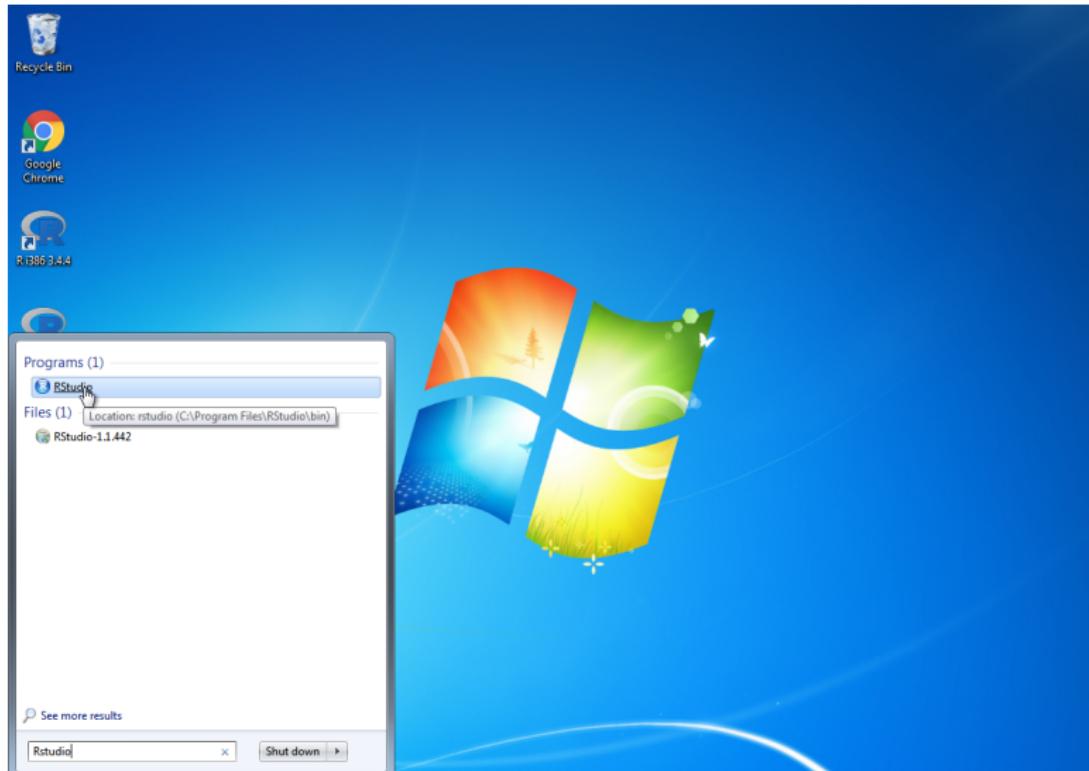


Installing RStudio (Windows and Mac)

Congratulations! You have installed RStudio. You can now get started as you do on any other program in your computer.

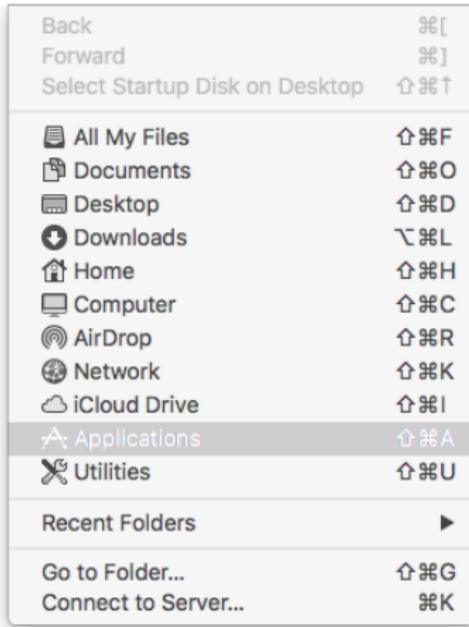
Running RStudio (Windows)

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



Running RStudio (Mac)

On the Mac, it will be in the Applications folder:



Running RStudio (Mac)

Pro tip for the Mac: To avoid using the mouse to open RStudio, hit command+spacebar to open *Spotlight Search* and type RStudio into that search bar, then hit enter.

Session Info

```
sessionInfo()
```

```
## R version 4.3.2 (2023-10-31)
## Platform: aarch64-apple-darwin20 (64-bit)
## Running under: macOS Ventura 13.5.1
##
## 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_3.6.1       tools_4.3.2
## [5] htmltools_0.5.6.1 rstudioapi_0.15.0 yaml_2.3.7     rmarkdown_2.25
## [9] knitr_1.44        xfun_0.40       digest_0.6.33   rlang_1.1.1
## [13] evaluate_0.22
```