

Lecture 1: Installing R and Rstudio

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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 the "All" tab. The top result is a link to the "Comprehensive R Archive Network" (CRAN) homepage at <https://cran.r-project.org/>. The page content includes sections for contributed packages, mirrors, and a Wikipedia link. Other search results include "CRAN - Package learnr" and "Cran - Wikipedia".

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 Packages By Name
Available CRAN Packages By Name. A B C D E F G H I J K L ...

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

Mirrors
CRAN Mirrors. The Comprehensive R Archive ...

More results from r-project.org »

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

Crان 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:

- [Download R for Linux](#)
- [Download R for \(Mac\) OS X](#)
- [Download R for Windows](#)

A cursor is hovering over the "Download R for Windows" link. Below this section, there's a note about Linux distributions and a "Source Code for all Platforms" section with a list of links for different versions and sources.

Navigation and Links:

- 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

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 lists several 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.

Below these links, there's a note: "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](#)

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
<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

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", "Search", "About R", "R Homepage", "The R Journal", "Software", "R Sources", "R Binaries", "Packages", and "Other". 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 these are sections for "Other builds" (with links to "t-patched snapshot build", "t-devel snapshot build", and "Previous releases") and a note for webmasters about a stable link redirect. At the bottom, there is a note: "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 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.

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 (which is R 1.7.1) [here](#). Releases for old Mac OS X systems (through 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: 741276b7c44e617a9d75d80d9f953b02
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. 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". The message in 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 note about Windows-specific information and a link to 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](#).

Windows-specific information.

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". On the left side of the page, there is a sidebar with various links such as "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 about the program: "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 and time: "Last change: 2018-03-15" and "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 screenshot shows a web browser displaying the CRAN R Project website at <https://cran.r-project.org>. The page title is "R-3.4.4 for Windows (32/64 bit)". On the left, there's a large 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 links for "Installation and other instructions" and "New features in this version". Below this, a note about md5sum fingerprint verification is shown. A "Frequently asked questions" section follows, with a bullet list including "Does R run under my..." and "How do I update pack...". A "Select Setup Language" dialog box is overlaid on the page, prompting the user to "Select the language to use during the installation:" with "English" selected. The dialog also includes "FAQ for Windows-specific information." At the bottom, there's a note for webmasters about redirecting to the Windows binary release page.

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](#)

[FAQ for Windows-specific information.](#)

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

FAQ for Windows-specific information.

Select Setup Language

Select the language to use during the installation:

English

OK Cancel

• Does R run under my...

• How do I update pack...

• Should I run 32-bit or...

• 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](#).

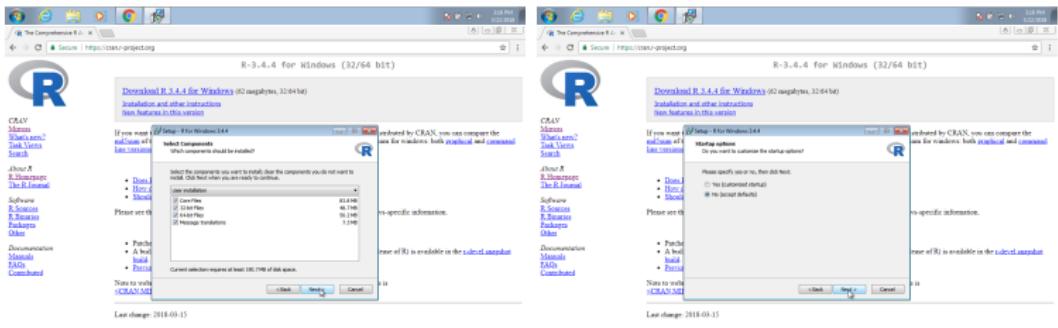
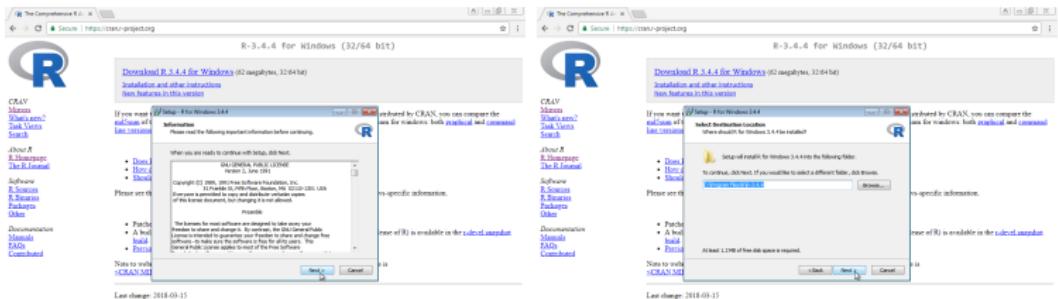
• Previous releases

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)

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
See features in this version

If you want to change the location of the files:
Select Main Program File
Where should R install the program's shortcut?

Please see the following options:

- Basic
- Home
- Shared

Note to users of CRAN-MSI:
Create a Start Menu folder

Next > Back < Cancel

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
See features in this version

If you want to change the location of the files:
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Next > Back < Cancel

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
See features in this version

If you want to change the location of the files:
Select Main Program File
Where should R install the program's shortcut?

Please see the following options:

- Basic
- Home
- Shared

Note to users of CRAN-MSI:
Create a Start Menu folder

Completing the R for Windows 3.4.4 Setup Wizard

File has been copied to the Windows 3.4.4 folder.
The application may be launched by selecting the icon in the Start menu.

Click here to exit Setup.

Please see the following options:

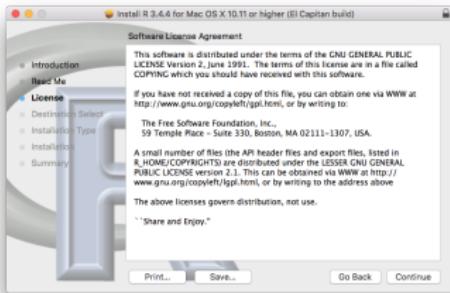
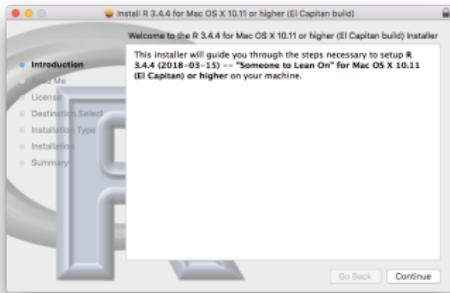
- Basic
- Home
- Shared

Note to users of CRAN-MSI:
Create a Start Menu folder

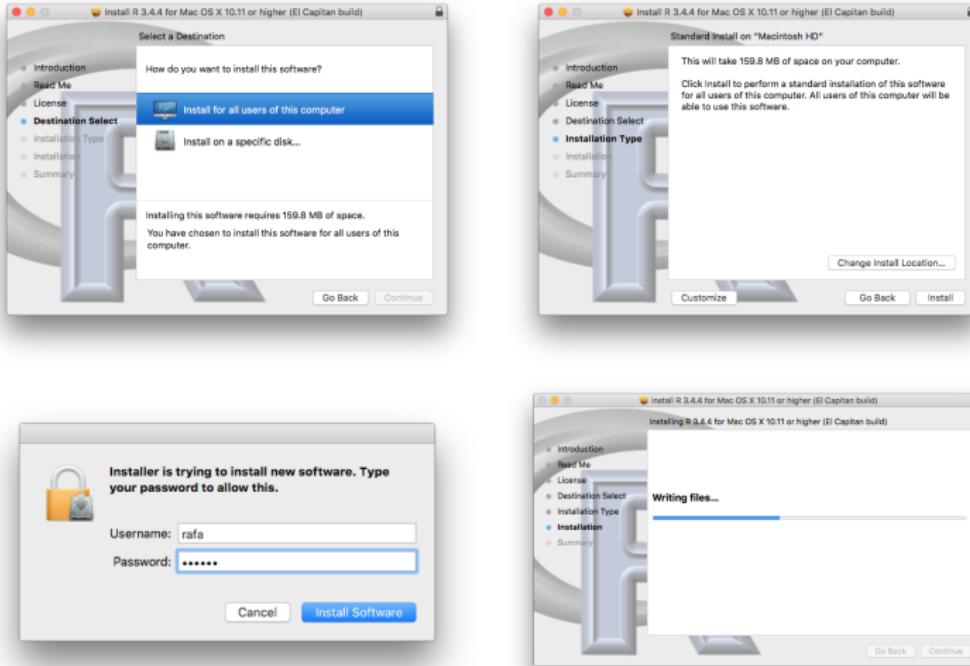
Finish >

Installing R (Mac)

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

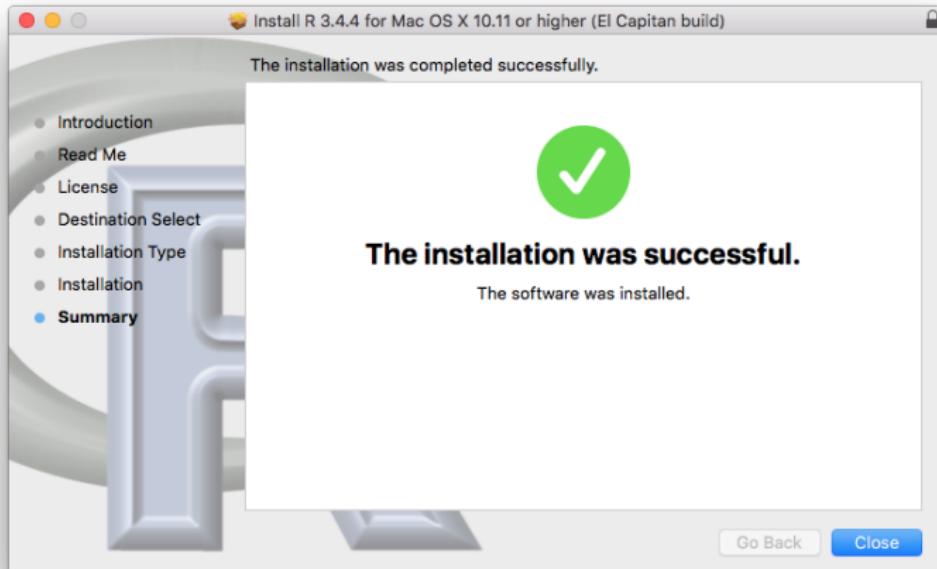


Installing R (Mac)



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 "R Packages". To the right of the search results, there is a large thumbnail image for RStudio, which features a blue hexagonal logo with a white "R" and the word "roxygen2" below it, along with a screenshot of the RStudio interface and a "More images" button. At the bottom of the page, there is a sidebar for the RStudio Twitter account (@rstudio) and a footer with various links and icons.

rstudio - Google Search

Secure | https://www.google.com/search?q=rstudio&rlz=1C1CHBF_enUS789US789&oq=Rstudio&aqs=chrome.0.65j59j69j60j0j69j60l2j0.1433j0j7&sourceid=chrome&ie=UTF-8

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 ...

[R Packages](#)
The RStudio team contributes code to many R packages and ...

[RStudio Connect](#)
RStudio Connect is a new publishing platform for the work ...

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

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

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

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

<https://www.rstudio.com>

Sign in

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

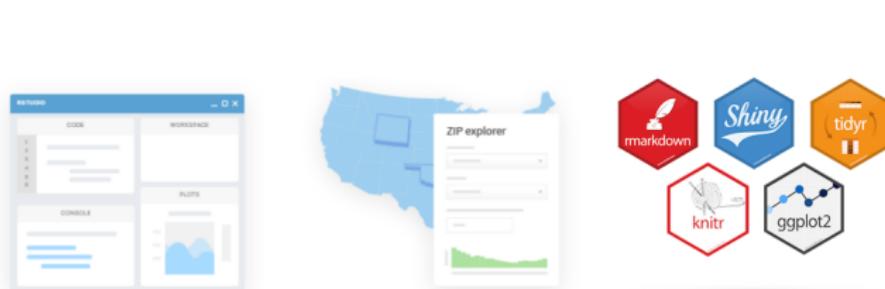
Written in: Java, C++, JavaScript

3:18 PM 3/22/2018

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 page features a large "RStudio" logo and the tagline "Open source and enterprise-ready professional software for R". On the right side, there is a navigation bar with links for Products, Resources, Pricing, About Us, Blogs, and a search icon. Below the navigation, there are four call-to-action buttons: "Download RStudio", "Discover Shiny", "shinyapps.io Login", and "Discover RStudio Connect". The background of the main content area has a subtle grid pattern of R code.



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	●	●	●	●

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 window with the URL <https://www.rstudio.com/products/rstudio/download/#download>. The page displays a table of download links for various operating systems. The table has columns for Size, Date, and MD5. A mouse cursor is hovering over the 'Windows Vista/7/8/10' link for the RStudio 1.1.442 - Windows OS X 10.6+ (64-bit) row.

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/Tarballs

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 download page for Windows. At the top, there's a navigation bar with links for Products, Resources, Pricing, About Us, Blogs, and a search icon. Below the navigation bar, it says "RStudio Desktop 1.1.442 — Release Notes". A note below states: "RStudio requires R 3.0.1+. If you don't already have R, download it here." The main section is titled "Installers for Supported Platforms". It lists several installer files with their sizes and MD5 checksums:

Installer	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	89613427803a1e51637207sec2e2dcb2
RStudio 1.1.442 - Ubuntu 12.04-15.10/Debian 8 (32-bit)	89.3 MB	2018-03-12	090fc1fec90e3d621c2b9e113c8dc28
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	77ced16b9c8a09c636d388b842a660e1c
RStudio 1.1.442 - Fedora 19+/RedHat 7+/openSUSE 13.1+ (64-bit)	90.6 MB	2018-03-12	8e6435aa53fa0ea9b78ef9c09b6419f4

Below this, there's a section titled "Zip/Tarballs" which lists the same files in zip/tar archive format:

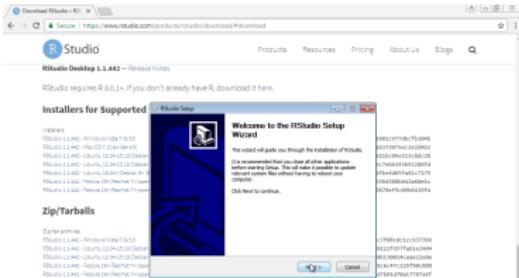
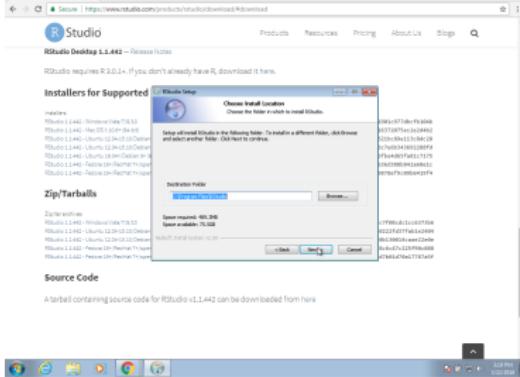
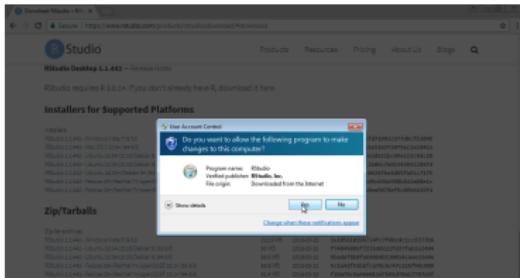
Zip/tar archives	Size	Date	MD5
RStudio 1.1.442 - Windows Vista/7/8/10	122.9 MB	2018-03-12	1e10561019b724fc7f08cdc1cc6373b6
RStudio 1.1.442 - Ubuntu 12.04-15.10/Debian 8 (32-bit)	90.5 MB	2018-03-12	f74849089f723bd0222fd37fabfe2404
RStudio 1.1.442 - Ubuntu 12.04-15.10/Debian 8 (64-bit)	98.3 MB	2018-03-12	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

Finally, there's a "Source Code" section with a note: "A tarball containing source code for RStudio v1.1.442 can be downloaded from here".

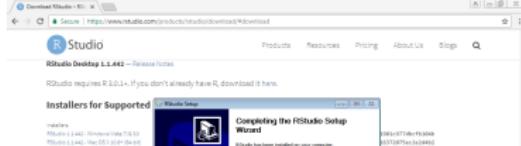
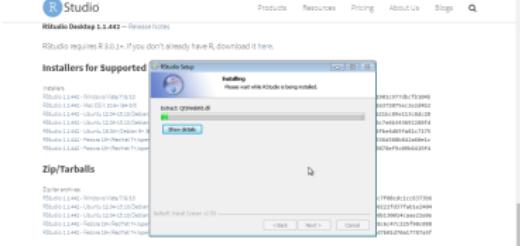
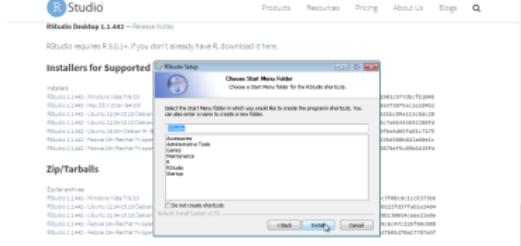
The taskbar at the bottom of the screen shows the RStudio 1.1.442.exe file being double-clicked. A progress bar is visible, indicating the file is being processed.

Installing RStudio (Windows)

We recommend clicking yes on all the defaults.

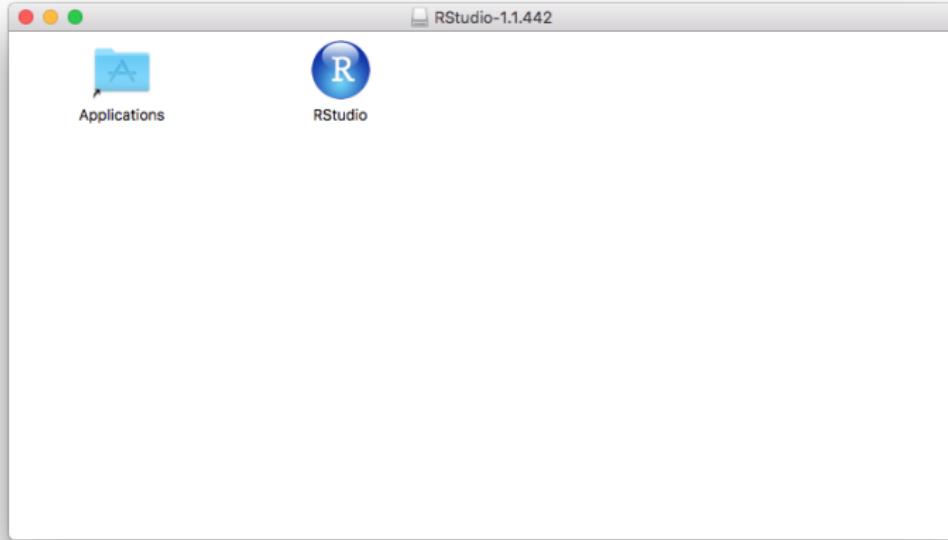


Installing RStudio (Windows)



Installing RStudio (Mac)

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

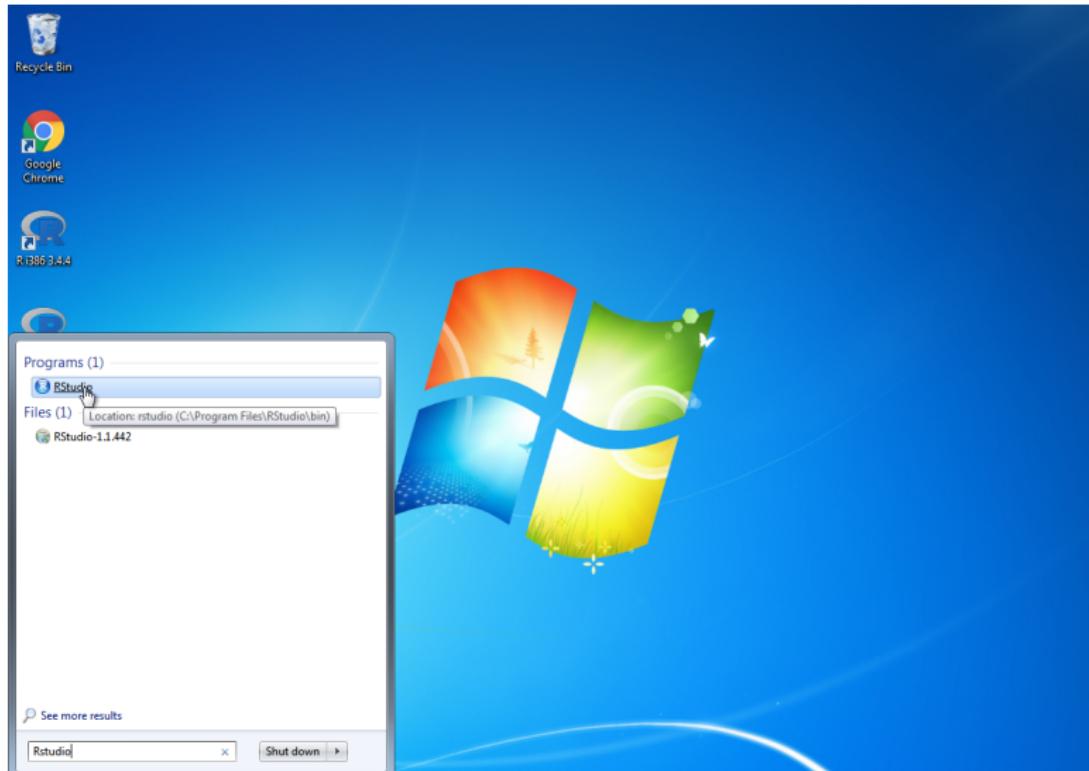


Installing RStudio (Windows and Mac)

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

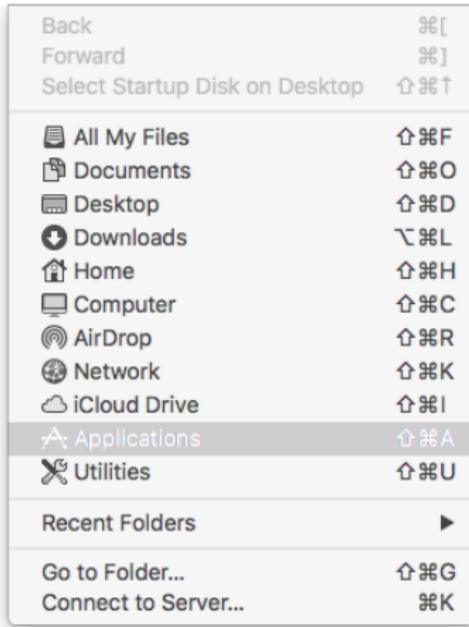
Running RStudio (Windows)

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 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
```