

Guide to Download R and R Studio

Installing R

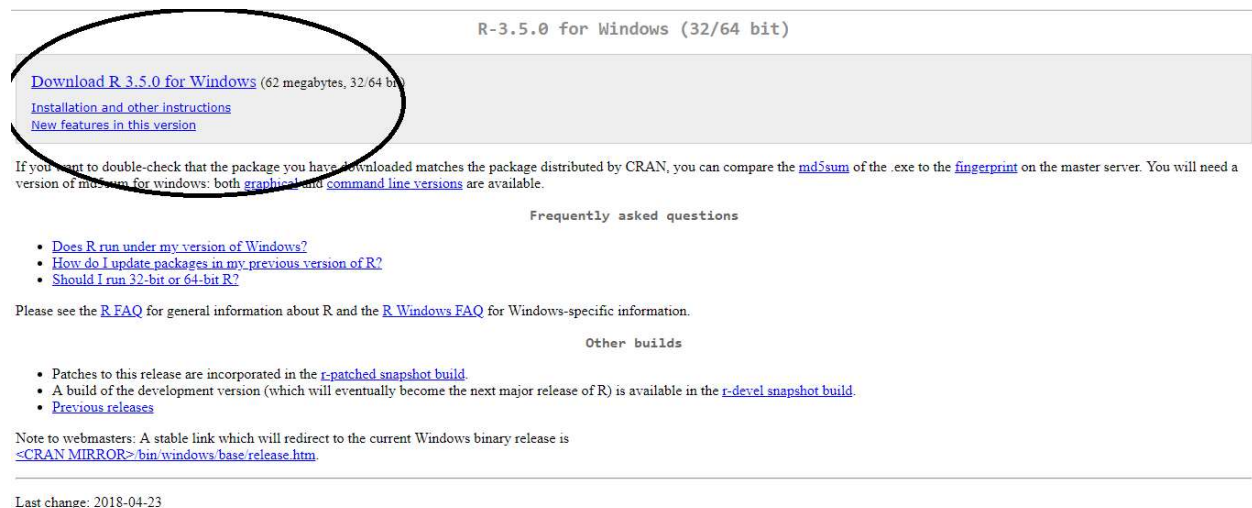
Step 1

Go to the website:

<https://cran.r-project.org/bin/windows/base/>

For Mac users, the link as follows: <https://cran.r-project.org/>

You will see the following screen:



R-3.5.0 for Windows (32/64 bit)

[Download R 3.5.0 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 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](#).

Last change: 2018-04-23

Step 2

Click on the download link highlighted in the above diagram. Or else, you can also directly use the following link if you are using a windows operating system:

<https://cran.r-project.org/bin/windows/base/R-3.5.0-win.exe>

<https://cran.r-project.org/bin/macosx/R-3.4.4.pkg>

Step 3

An installer will be downloaded, use the installer to install R:



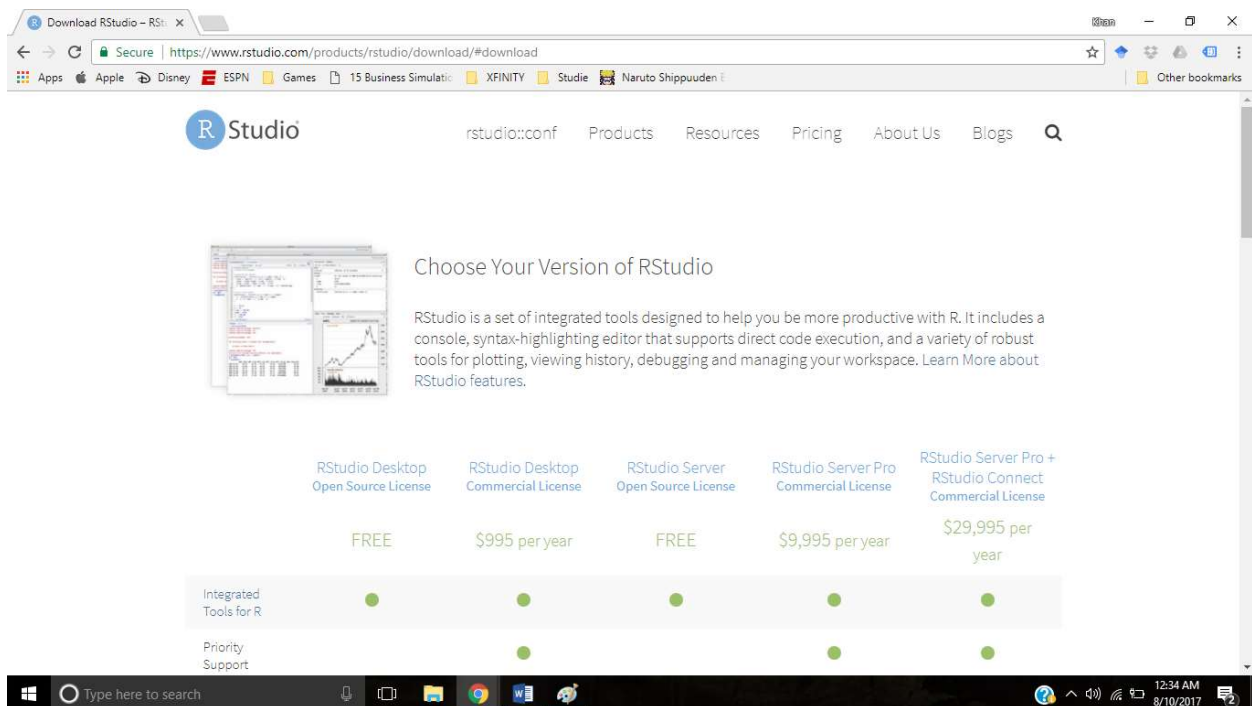
Clicking this icon will start the installer. Click on next on all the default options, and then the installation will start.

Installing R Studio

Step 1

Go to the R Studio Installation Website:

<https://www.rstudio.com/products/rstudio/download/#download>

The screenshot shows the RStudio website's download page. The browser's address bar displays the URL 'https://www.rstudio.com/products/rstudio/download/#download'. The page features the RStudio logo and navigation links. A section titled 'Choose Your Version of RStudio' includes a description of RStudio and a table of product options. The table lists five versions: RStudio Desktop Open Source License (FREE), RStudio Desktop Commercial License (\$995 per year), RStudio Server Open Source License (FREE), RStudio Server Pro Commercial License (\$9,995 per year), and RStudio Server Pro + RStudio Connect Commercial License (\$29,995 per year). A comparison table below shows features like 'Integrated Tools for R' and 'Priority Support' across these versions.

	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
Integrated Tools for R	●	●	●	●	●
Priority Support		●		●	●

Step 2

Scroll down the webpage to see the following options:

RStudio Desktop 1.1.447 — Release Notes

RStudio requires R 3.0.1+. If you don't already have R, download it [here](#).

Installers for Supported Platforms

Installers	Size	Date	MD5
RStudio 1.1.447 - Windows Vista/7/8/10	85.8 MB	2018-04-18	359df07f279db25c99d0f91449b0fc33
RStudio 1.1.447 - Mac OS X 10.6+ (64-bit)	74.5 MB	2018-04-18	13d679b7ec208bd31f22550c0cdd6c99
RStudio 1.1.447 - Ubuntu 12.04-15.10/Debian 8 (32-bit)	89.3 MB	2018-04-18	8186c1b10793a6ff3138cd16af3ea433
RStudio 1.1.447 - Ubuntu 12.04-15.10/Debian 8 (64-bit)	97.4 MB	2018-04-18	ad9410a0c74eb68d4c34bd880fd103a6
RStudio 1.1.447 - Ubuntu 16.04+/Debian 9+ (64-bit)	64.5 MB	2018-04-18	1eecbf2c80fb329a8a1bcb92a68e459e
RStudio 1.1.447 - Fedora 19+/RedHat 7+/openSUSE 13.1+ (32-bit)	88.1 MB	2018-04-18	aac10abb88315ddd3bf2b25ce8d9814
RStudio 1.1.447 - Fedora 19+/RedHat 7+/openSUSE 13.1+ (64-bit)	90.6 MB	2018-04-18	0dd507d4ece283a64b63f759dc9e4fad

Zip/Tarballs

Step 3:

Based on the operating system you have, click on the link. For example, if your operating system is Windows Vista or Windows 7 or 8 or 10, just click on the first link:

RStudio Desktop 1.1.447 — Release Notes

RStudio requires R 3.0.1+. If you don't already have R, download it [here](#).

Installers for Supported Platforms

Installers	Size	Date	MD5
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RStudio 1.1.447 - Mac OS X 10.6+ (64-bit)	74.5 MB	2018-04-18	13d679b7ec208bd31f22550c0cdd6c99
RStudio 1.1.447 - Ubuntu 12.04-15.10/Debian 8 (32-bit)	89.3 MB	2018-04-18	8186c1b10793a6ff3138cd16af3ea433
RStudio 1.1.447 - Ubuntu 12.04-15.10/Debian 8 (64-bit)	97.4 MB	2018-04-18	ad9410a0c74eb68d4c34bd880fd103a6
RStudio 1.1.447 - Ubuntu 16.04+/Debian 9+ (64-bit)	64.5 MB	2018-04-18	1eecbf2c80fb329a8a1bcb92a68e459e
RStudio 1.1.447 - Fedora 19+/RedHat 7+/openSUSE 13.1+ (32-bit)	88.1 MB	2018-04-18	aac10abb88315ddd3bf2b25ce8d9814
RStudio 1.1.447 - Fedora 19+/RedHat 7+/openSUSE 13.1+ (64-bit)	90.6 MB	2018-04-18	0dd507d4ece283a64b63f759dc9e4fad

Zip/Tarballs

Also if you are using Windows Vista or Windows 7 or 8 or 10 then there is a shortcut link:

<https://download1.rstudio.org/RStudio-1.1.447.exe>

For Mac the shortcut link is:

<https://download1.rstudio.org/RStudio-1.1.447.dmg>

Step 4

Install R Studio from the Installer that you downloaded in step 3. The installer would look like this in your downloaded folder:

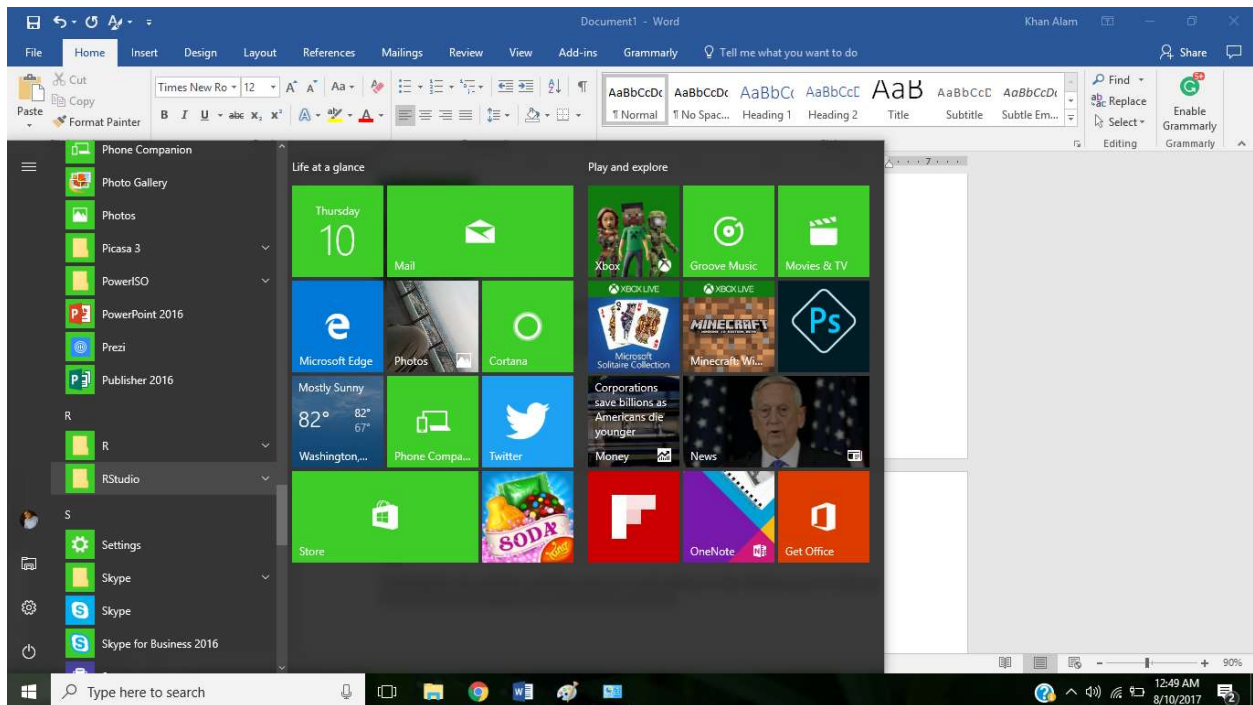


Double clicking this will start the installation for R Studio.

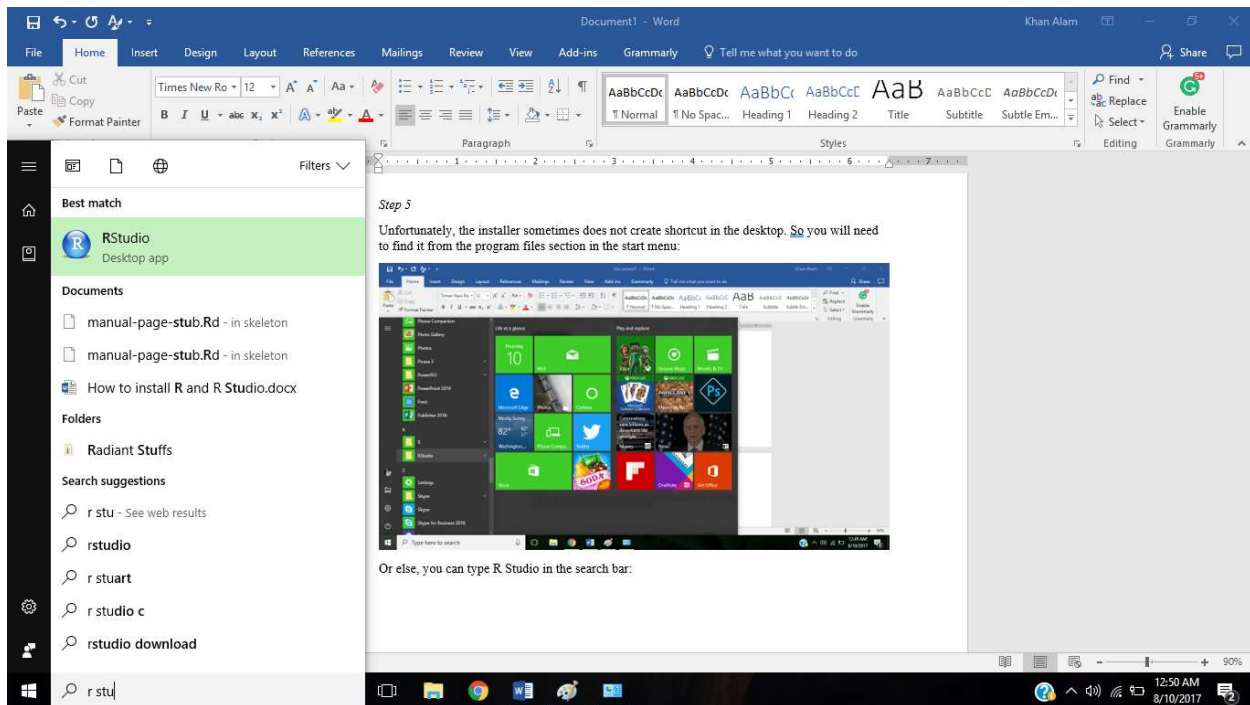
Keep everything default and press Next until the installation starts. After the installation, you will have R Studio installed in the computer.

Step 5

Unfortunately, the installer sometimes does not create shortcut in the desktop. So you will need to find it from the program files section in the start menu:

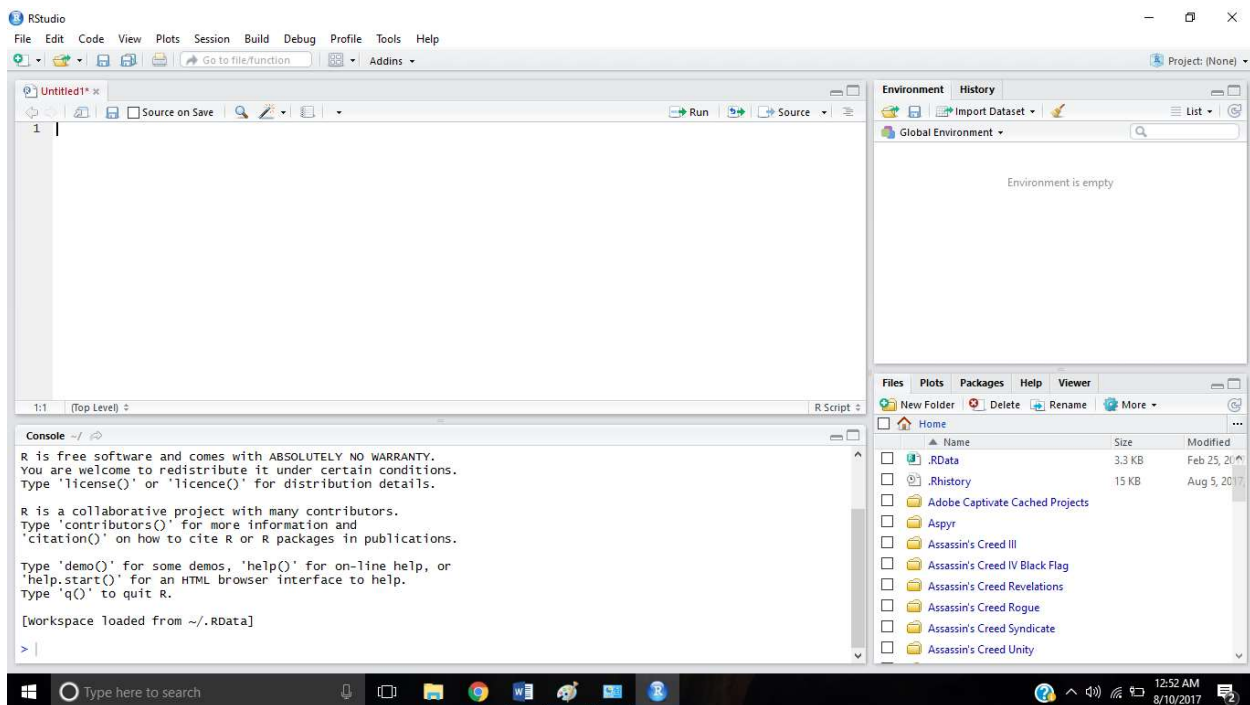


Or else, you can type R Studio in the search bar:



Step 6

Open R Studio by clicking on the icon. The software looks like this:



Installing additional libraries:

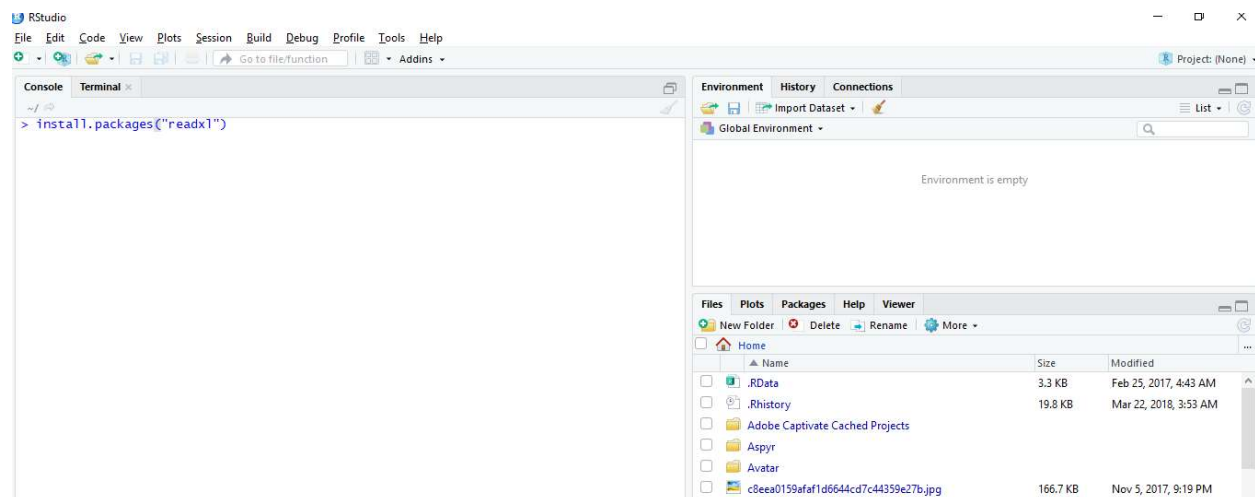
We will be making extensive use of few libraries in the R Studio, and some of these libraries might not be there in the R Studio that you downloaded. When installing these libraries, we require direct access to internet. So, it would be really good if you can download these libraries before you come to the session. The following codes will install the library. All you have to do is to copy this code to the console, and press enter. You might get some warning messages, or just get nothing as an output. If you get nothing, it means that the library is already there in the R Studio environment.

The libraries and their codes are follows:

ReadXL – a special library for importing data from XL files to R

```
install.packages("readxl")
```

Just copy and paste this code in the R Studio console, as the screen below:



And then press enter. Remember – you need to be connected to the internet. R Studio will run some commands and will install your package.

TidyR – a package for tidying up data

```
install.packages("tidyr")
```

P.S – this package might take some time to load. The way to install is exactly like the above package

DplyR – a package for data munging in R

```
install.packages("dplyr")
```

Again, just copy the code and paste in the console and press enter.

Ggplot2 – a versatile package in data visualization

```
install.packages("ggplot2")
```

Partykit – a machine learning tool for classification trees

```
install.packages("partykit")
```

Please make sure you have run these codes to install these packages, as they will be the key to the objectives for the training session.