



**Subject: AOI - Basics Of R**

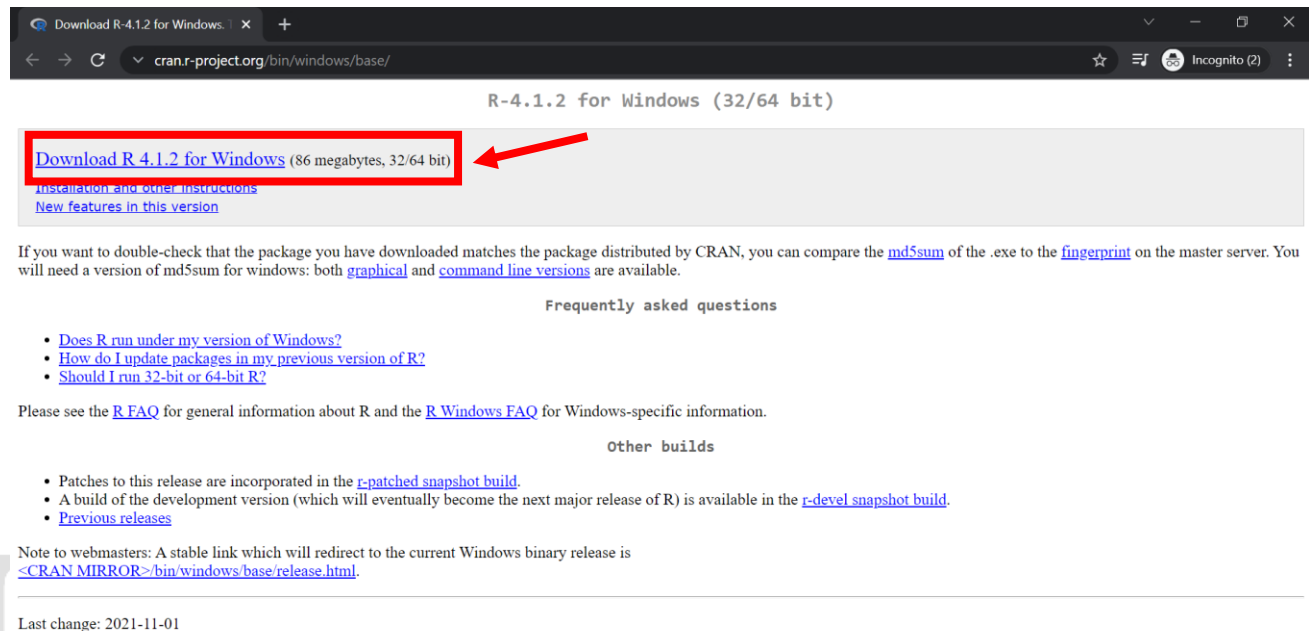
**Chapter: Unit 1**

**Category: Installation Guide  
– R & RStudio**

## Guide For Windows OS:

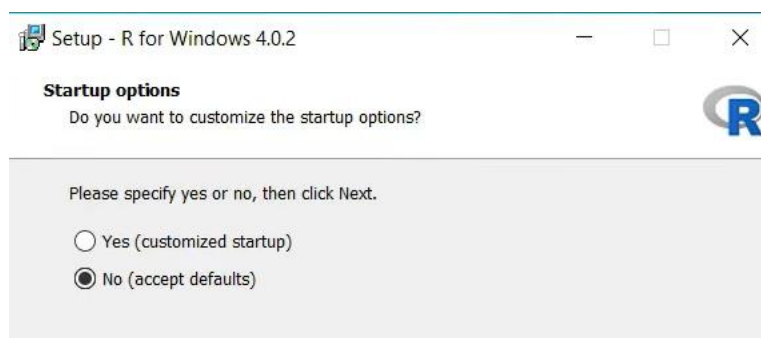
### Installation of R:

Go to the website: <https://cran.r-project.org/bin/windows/base/>

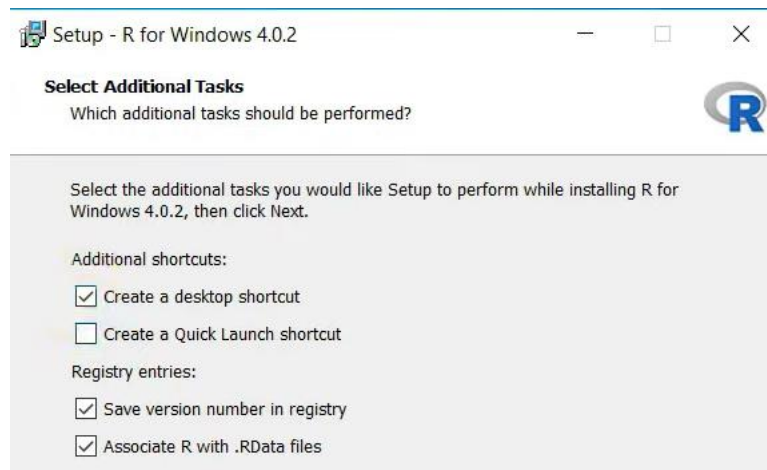


Click on Download R 4.1.2 for Windows (86 megabytes, 32/64 bit)

After which a ".exe" file will be downloaded, open the same and complete the Installation procedure.



Keep all installation settings to Default.



Check the above required fields and click Next... and wait for the Installation to complete.

### Installation of RStudio:

Before installing RStudio, please check whether your OS is 64-bit or 32-bit

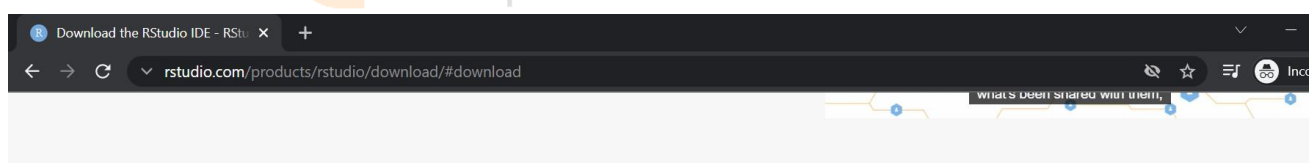
To do that go to,

-> Settings -> Search for device specification -> System Type

For 64-bit user(s),

Go to the website: <https://www.rstudio.com/products/rstudio/download/>

And scroll down to,



RStudio Desktop 2021.09.2+382 - [Release Notes](#)

1. Install R. RStudio requires R 3.0.1+.
2. Download RStudio Desktop. Recommended for your system:

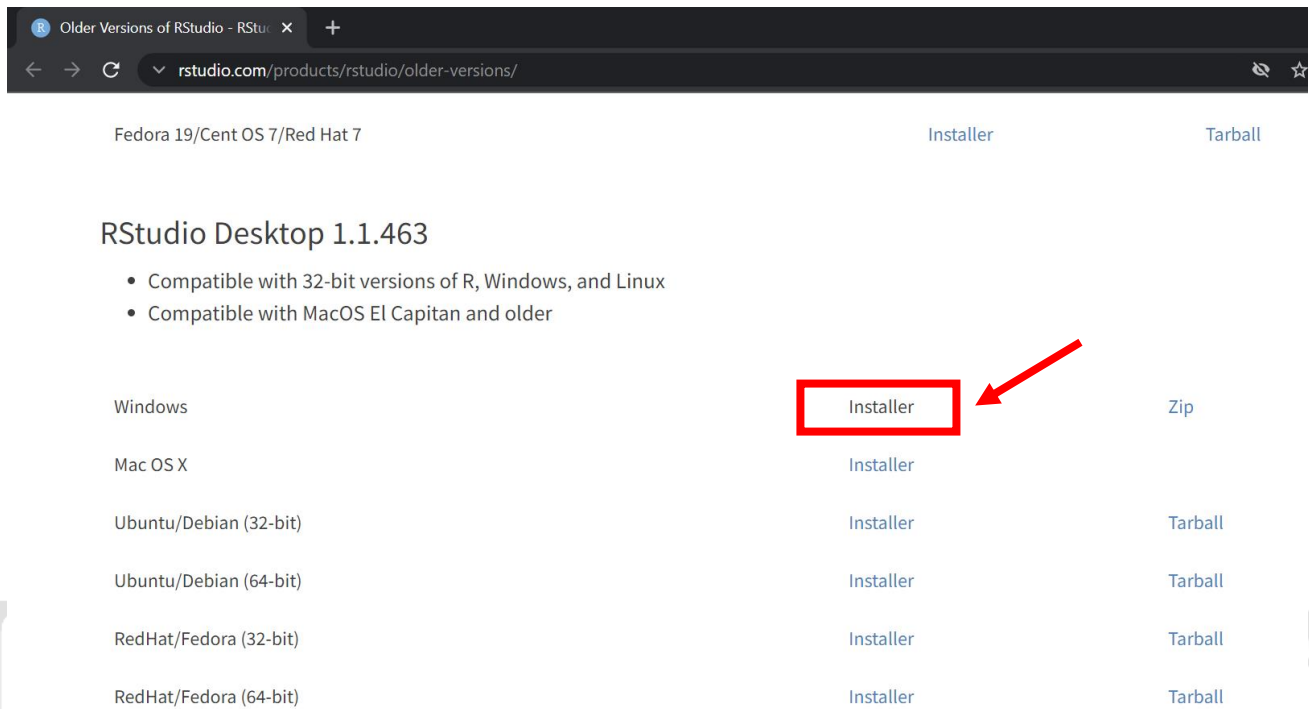


And click on Download and a ".exe" file will be downloaded.  
Open the file and complete the Installation procedure.

For 32-bit user(s),

Go to the website: <https://www.rstudio.com/products/rstudio/older-versions/>

And scroll down to,



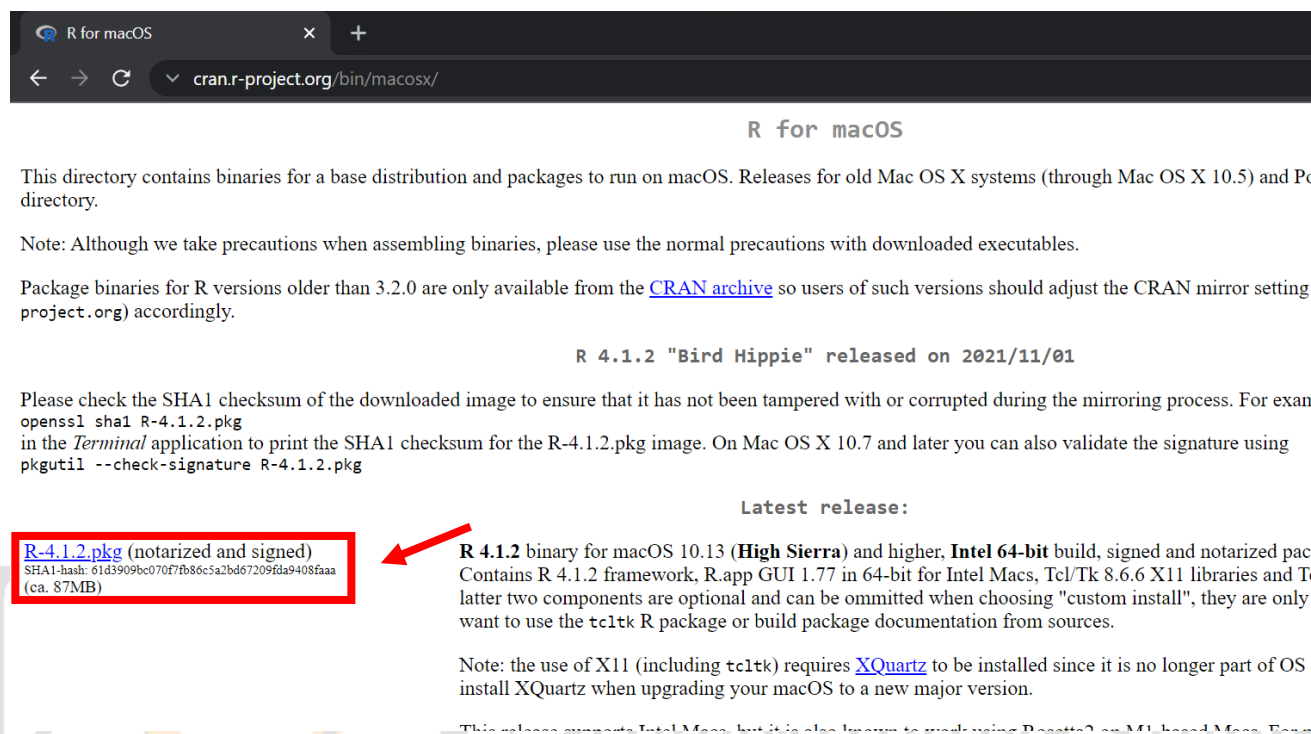
And click on Download and a ".exe" file will be downloaded.

Open the file and complete the Installation procedure.

## Guide For Mac OS:

### Installation of R:

Go to the website: <https://cran.r-project.org/bin/macosx/>



**R for macOS**

This directory contains binaries for a base distribution and packages to run on macOS. Releases for old Mac OS X systems (through Mac OS X 10.5) and PowerPC directory.

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

Package binaries for R versions older than 3.2.0 are only available from the [CRAN archive](https://cran.r-project.org/) so users of such versions should adjust the CRAN mirror setting (project.org) accordingly.

**R 4.1.2 "Bird Hippie" released on 2021/11/01**

Please check the SHA1 checksum of the downloaded image to ensure that it has not been tampered with or corrupted during the mirroring process. For example, in the *Terminal* application to print the SHA1 checksum for the R-4.1.2.pkg image. On Mac OS X 10.7 and later you can also validate the signature using `pkgutil --check-signature R-4.1.2.pkg`

**Latest release:**

**R-4.1.2.pkg (notarized and signed)**  
SHA1-hash: 61d3909bc070f7fb86c5a2bd67209fda9408faa  
(ca. 87MB)

**R 4.1.2** binary for macOS 10.13 (**High Sierra**) and higher, **Intel 64-bit** build, signed and notarized package. Contains R 4.1.2 framework, R.app GUI 1.77 in 64-bit for Intel Macs, Tcl/Tk 8.6.6 X11 libraries and Tools. The latter two components are optional and can be omitted when choosing "custom install", they are only needed if you want to use the `tc1tk` R package or build package documentation from sources.

Note: the use of X11 (including `tc1tk`) requires [XQuartz](https://xquartz.m1024.net/) to be installed since it is no longer part of OS X. Please install XQuartz when upgrading your macOS to a new major version.

This release supports Intel Macs, but it is also known to work using Rosetta2 on M1-based Macs. For more information, see the [R for macOS](https://cran.r-project.org/bin/macosx/) page.

Click on highlighted link above.

After which a ".pkg" file will be downloaded, open the same and complete the Installation procedure.

Keep all installation settings to Default.

### Installation of RStudio:

Before installing RStudio, please check whether your OS is 64-bit or 32-bit

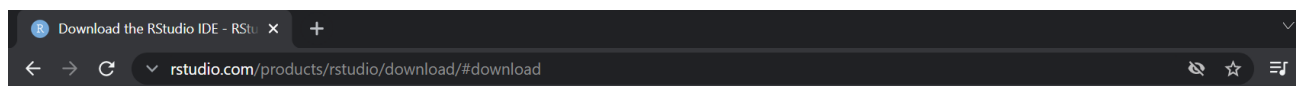
To do that go to,

Go to the Apple Menu and select "About this Mac". If you have a Core Duo processor, you have a 32-bit CPU. Otherwise (Core 2 Duo, Xeon, i3, i5, i7, anything else), you have a 64-bit CPU

For 64-bit user(s),

Go to the website: <https://www.rstudio.com/products/rstudio/download/>

And scroll down to,



## All Installers

Linux users may need to [import RStudio's public code-signing key](#) prior to installation, depending on the operating system's security policy.

RStudio requires a 64-bit operating system. If you are on a 32 bit system, you can use an [older version of RStudio](#).

OS	Download	Size	SHA-256
Windows 10	<a href="#">RStudio-2021.09.2-382.exe</a>	156.89 MB	7f957beb
macOS 10.14+	<a href="#">RStudio-2021.09.2-382.dmg</a>	204.09 MB	ae18a925
Ubuntu 18/Debian 10	<a href="#">rstudio-2021.09.2-382-amd64.deb</a>	117.15 MB	f3dd8823
Fedora 19/Red Hat 7	<a href="#">rstudio-2021.09.2-382-x86_64.rpm</a>	133.82 MB	a1190f21

And click on Download and a ".dmg" file will be downloaded.  
Open the file and complete the Installation procedure.

For 32-bit user(s),

Go to the website: <https://www.rstudio.com/products/rstudio/older-versions/>

And scroll down to,



## RStudio Desktop 1.1.463

- Compatible with 32-bit versions of R, Windows, and Linux
- Compatible with MacOS El Capitan and older

Windows	Installer	Zip
Mac OS X	Installer	
Ubuntu/Debian (32-bit)	Installer	Tarball
Ubuntu/Debian (64-bit)	Installer	Tarball
RedHat/Fedora (32-bit)	Installer	Tarball
RedHat/Fedora (64-bit)	Installer	Tarball

And click on Installer and the file will be downloaded.  
Open the file and complete the Installation procedure.

**Guide For Linux OS:**

Please follow the steps given in the video below, <https://youtu.be/WpNd6j1nvEE>

To know whether your system is 32-bit or 64-bit, type the command "uname -m" and press "Enter". This displays only the machine hardware name. It shows if your system is running 32-bit (i686 or i386) or 64-bit(x86\_64)

Download appropriate RStudio installation file from,  
<https://www.rstudio.com/products/rstudio/download/>

OR

<https://www.rstudio.com/products/rstudio/older-versions/> , depending on system.

Other references: <https://cran.r-project.org/> , select Linux.