R and RStudio Installation For Windows
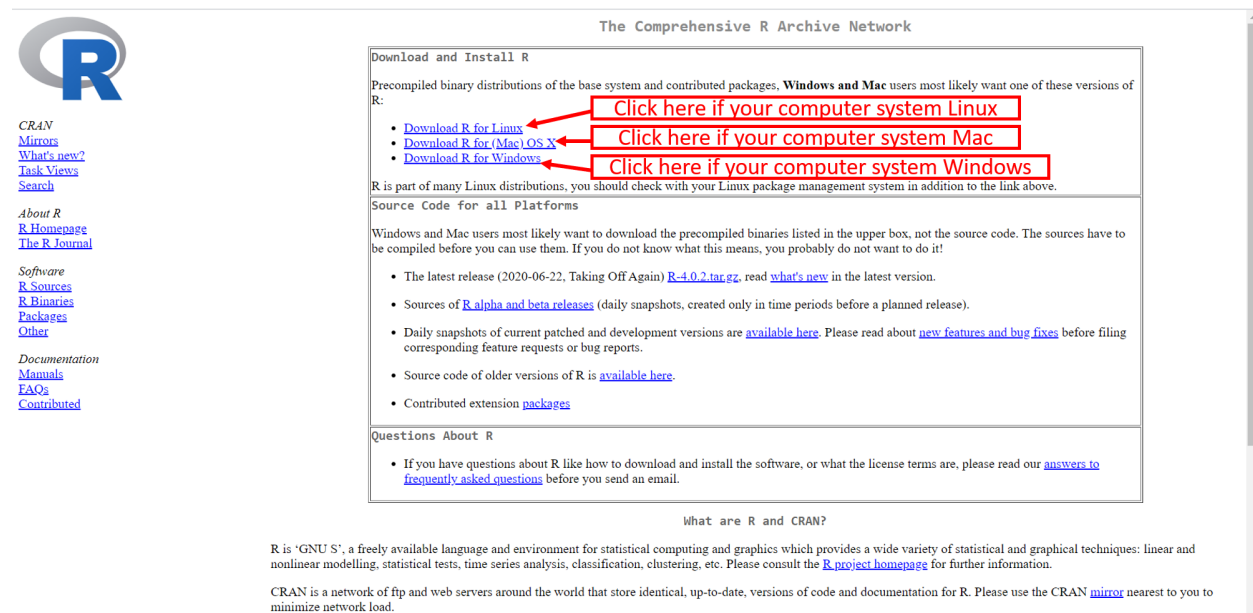## STAT1001

September, 2020

For easily coding by R programming language you will need two main programs:

1. R.
2. RStudio.

The two programs are both free and available in the internet. First, you will need to download the R program and install it. Then, download the Rstudio and install it. Here, we will explain how to download and install the two programs in details.
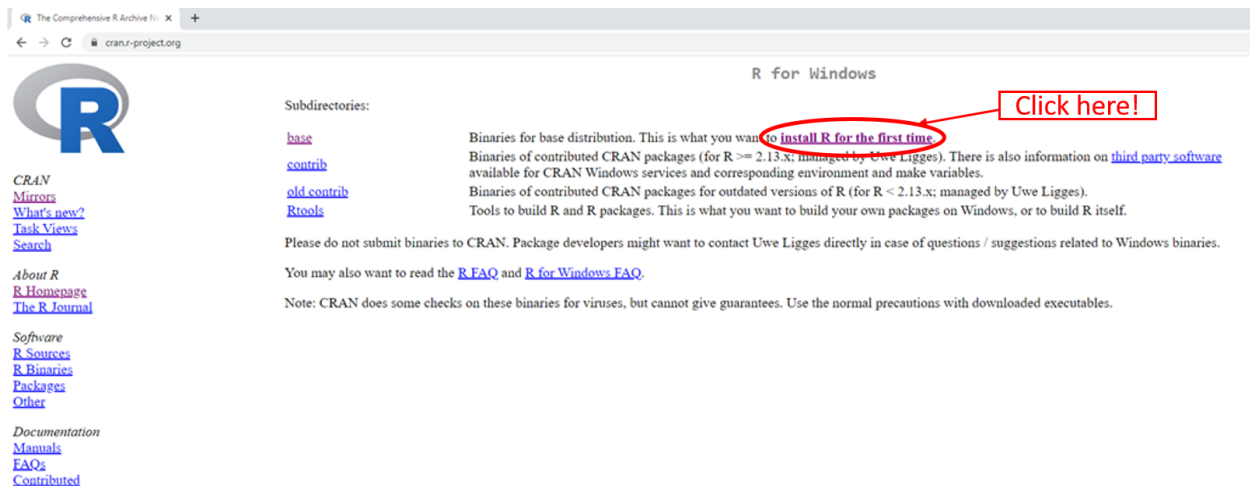
Download and install R program?

1. First go to the page https://cran.r-project.org/.
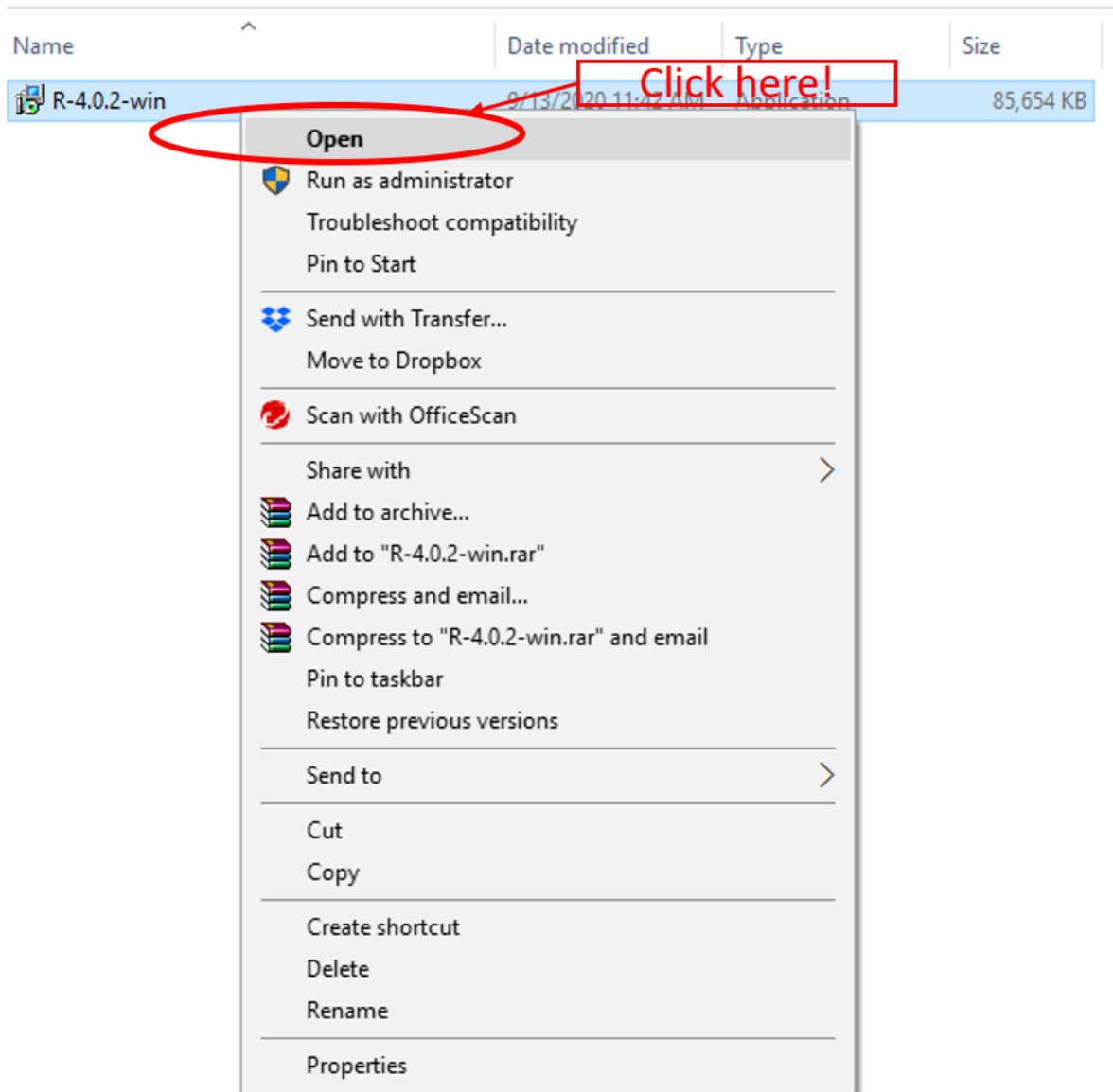2. Press on the link that has the same as your computer operating system (OS). See the picture bellow.

For Windows the next step is to press on the **install R for the first time** as shown in the picture bellow.

R for Windows

Subdirectories:

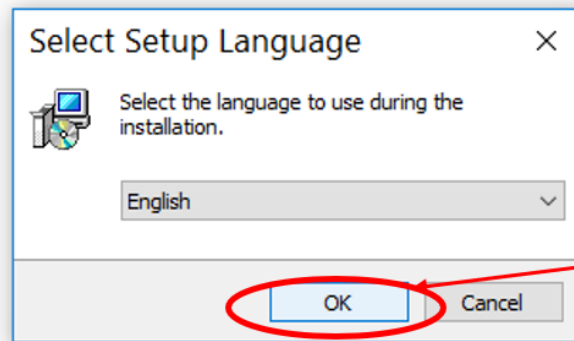base — Binaries for base distribution. This is what you want to install R for the first time.

Click here!

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old contrib — Binaries of contributed CRAN packages for outdated versions of R (for R 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 R FAQ 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.

CRAN
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The R Journal

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R Sources
R Binaries
Packages
Other

Documentation
Manuals
FAQs
Contributed

Then, you press on **Download R 4.0.2 for Windows** as shown in the picture bellow.

R-4.0.2 for Windows (32/64 bit)

Click here!

Download R 4.0.2 for Windows (84 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.html.
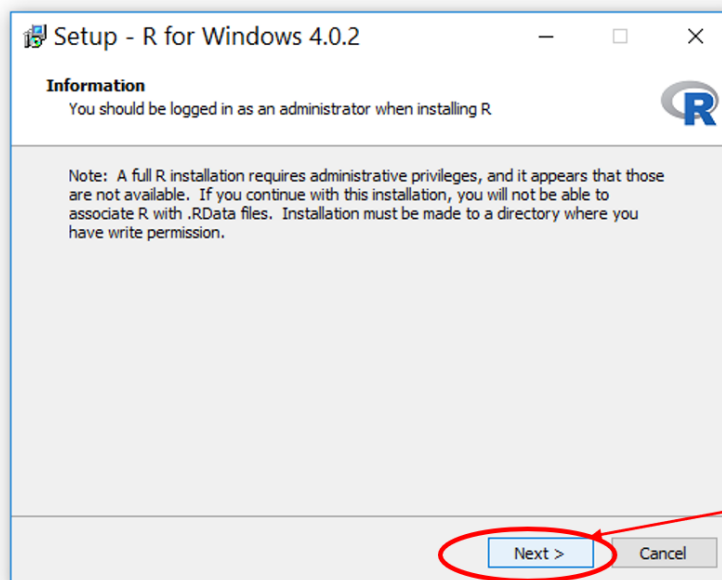
Last change: 2020-06-22

Then, the **R** program will be downloaded. Once finish the download, you go to the file that you have downloaded and click on it and select **Open**. Then, follow the instructions in the pictures bellow.
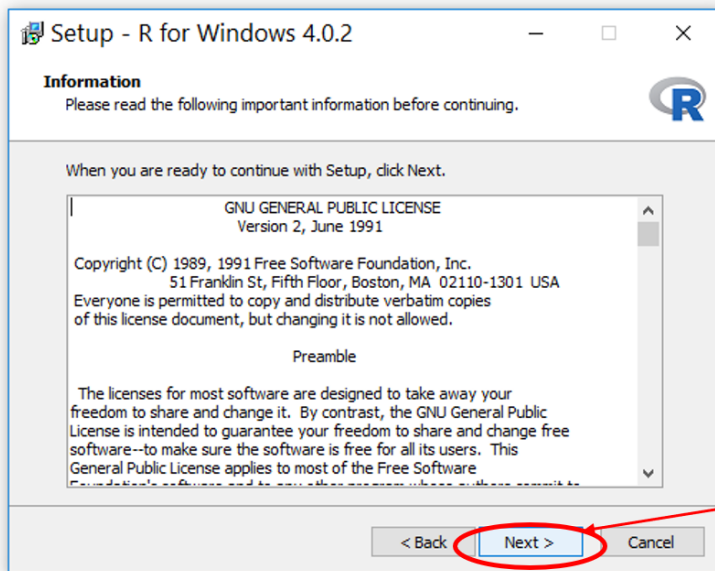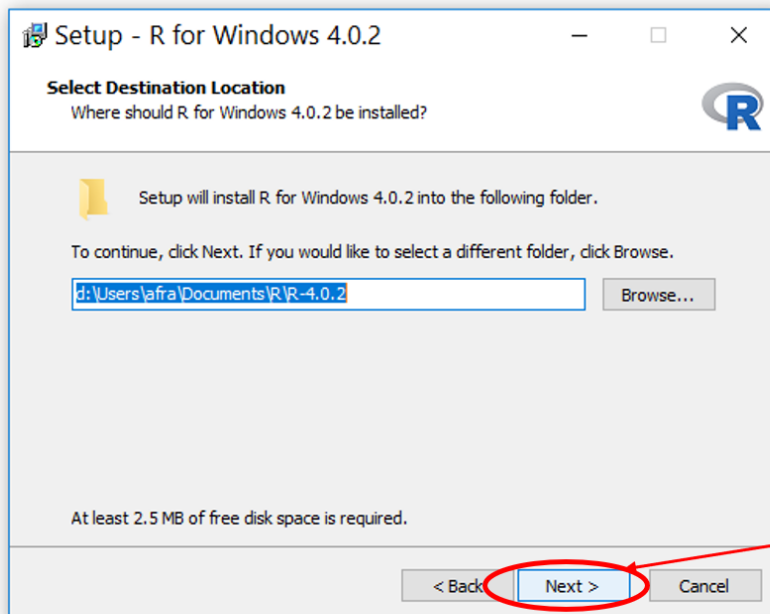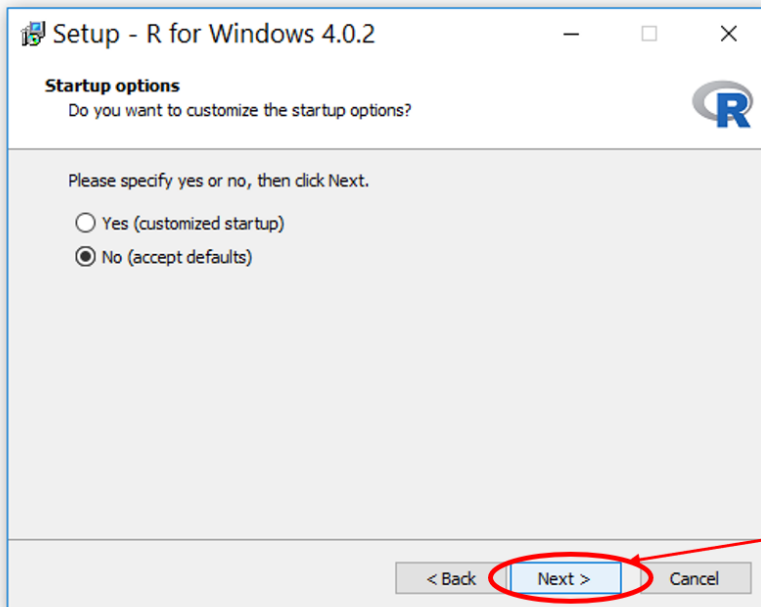
Name	Date modified	Type	Size
R-4.0.2-win	9/13/2020 11:42 AM	Application	85,654 KB

Click here!

Open		
Run as administrator		
Troubleshoot compatibility		
Pin to Start		
Send with Transfer...		
Move to Dropbox		
Scan with OfficeScan		
Share with		>
Add to archive...		
Add to "R-4.0.2-win.rar"		
Compress and email...		
Compress to "R-4.0.2-win.rar" and email		
Pin to taskbar		
Restore previous versions		
Send to		>
Cut		
Copy		
Create shortcut		
Delete		
Rename		
Properties		

Select Setup Language ✕

Select the language to use during the installation.

English ▾

Click here!

OK   Cancel

Setup - R for Windows 4.0.2 — □ ✕

Information
You should be logged in as an administrator when installing R

Ⓡ

Note: A full R installation requires administrative privileges, and it appears that those are not available. If you continue with this installation, you will not be able to associate R with .RData files. Installation must be made to a directory where you have write permission.

Click here!

Next >   Cancel

Setup - R for Windows 4.0.2

Information
Please read the following important information before continuing.

When you are ready to continue with Setup, click Next.

> GNU GENERAL PUBLIC LICENSE
> Version 2, June 1991
>
> Copyright (C) 1989, 1991 Free Software Foundation, Inc.
> 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA
> Everyone is permitted to copy and distribute verbatim copies
> of this license document, but changing it is not allowed.
>
> Preamble
>
> The licenses for most software are designed to take away your
> freedom to share and change it. By contrast, the GNU General Public
> License is intended to guarantee your freedom to share and change free
> software--to make sure the software is free for all its users. This
> General Public License applies to most of the Free Software

[< Back] [Next >] [Cancel]

Click here!

Setup - R for Windows 4.0.2

Select Destination Location
Where should R for Windows 4.0.2 be installed?

Setup will install R for Windows 4.0.2 into the following folder.

To continue, click Next. If you would like to select a different folder, click Browse.

`d:\Users\afra\Documents\R\R-4.0.2`   [Browse...]

At least 2.5 MB of free disk space is required.

[< Back] [Next >] [Cancel]

Click here!

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Setup - R for Windows 4.0.2

Select Components
Which components should be installed?

Select the components you want to install; clear the components you do not want to install. Click Next when you are ready to continue.

User installation

☑ Core Files	87.1 MB
☑ 32-bit Files	50.6 MB
☑ 64-bit Files	57.4 MB
☑ Message translations	7.3 MB

Current selection requires at least 204.6 MB of disk space.

< Back   Next >   Cancel

Click here!

Setup - R for Windows 4.0.2

Startup options
Do you want to customize the startup options?

Please specify yes or no, then click Next.

○ Yes (customized startup)
◉ No (accept defaults)

< Back   Next >   Cancel

Click here!

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Now, the **R** program is in your computer.

Download and install RStudio program?

1. First go to the page https://rstudio.com/products/rstudio/download/.
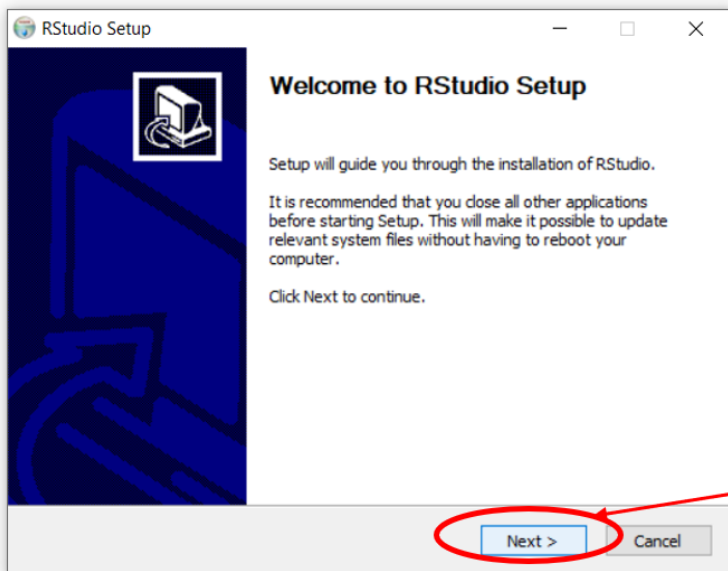2. Press on the link for downloading the program. See the picture bellow.

After finishing the download, go to the file and follow the following instructions as appears in the pictures bellow.

Name	Date modified	Type	Size
RStudio-1.3.1073.exe	9/18/2020 7:31 PM	Application	167,599 KB

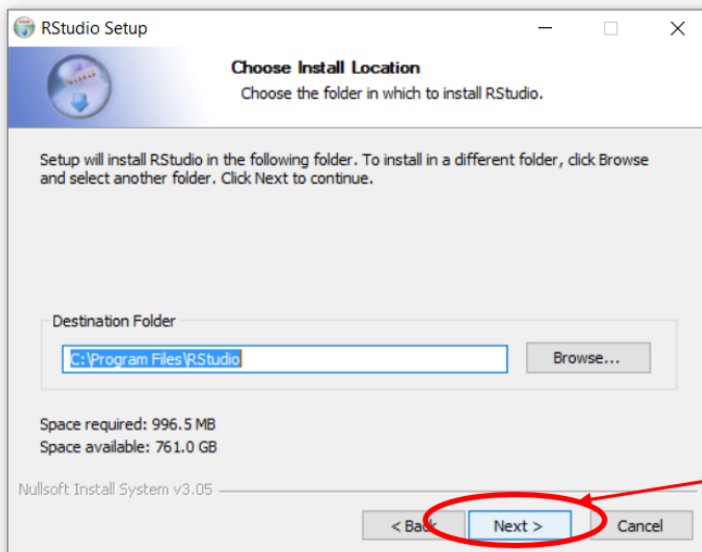**Open**

Run as administrator

Edit with PyCharm Community Edition

Share files via SHAREit

Troubleshoot compatibility

Pin to Start

7-Zip ›

CRC SHA ›

Send with Transfer...

Move to Dropbox

Scan with Microsoft Defender...

Share

Give access to ›

Add to archive...

Add to "RStudio-1.3.1073.rar"

Compress and email...

Compress to "RStudio-1.3.1073.rar" and email

Pin to taskbar

Restore previous versions

Send to ›

Cut

Copy

Create shortcut

Delete

Rename

Properties

Click here!
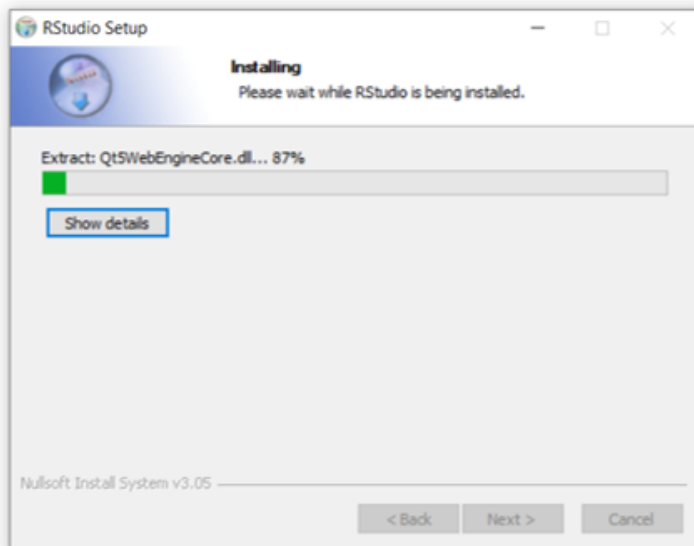
RStudio Setup

Welcome to RStudio Setup

Setup will guide you through the installation of RStudio.

It is recommended that you close all other applications before starting Setup. This will make it possible to update relevant system files without having to reboot your computer.

Click Next to continue.

Next >   Cancel

Click here!

RStudio Setup

Choose Install Location
Choose the folder in which to install RStudio.

Setup will install RStudio in the following folder. To install in a different folder, click Browse and select another folder. Click Next to continue.

Destination Folder

C:\Program Files\RStudio   Browse...

Space required: 996.5 MB
Space available: 761.0 GB
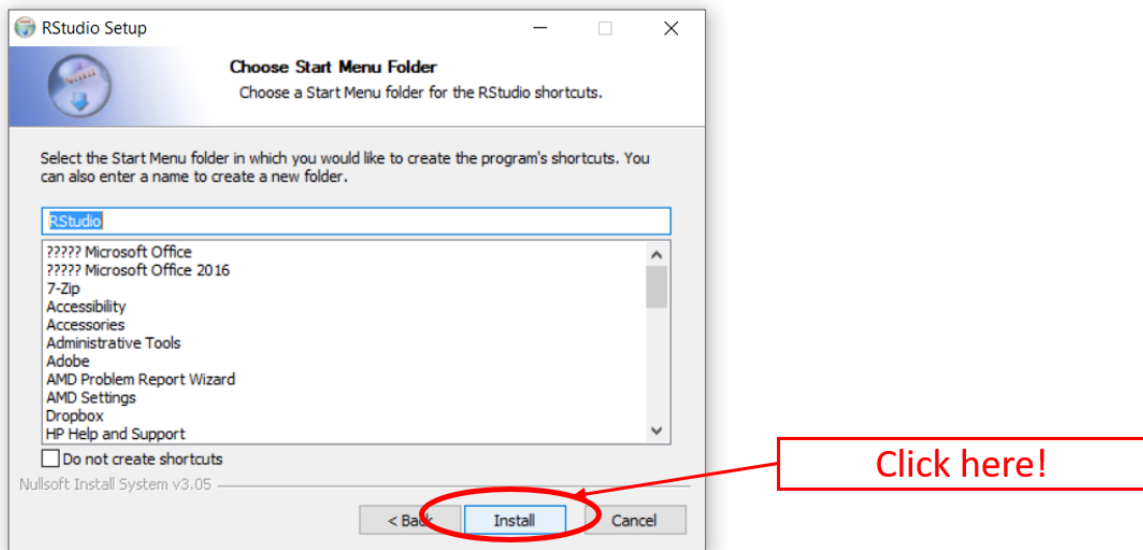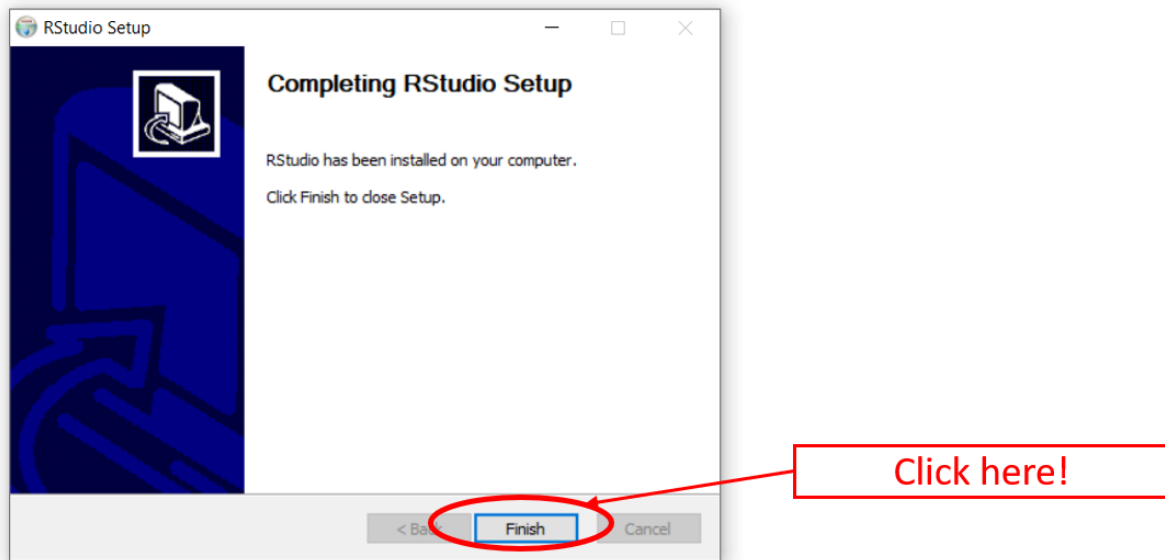
Nullsoft Install System v3.05

< Back   Next >   Cancel

Click here!
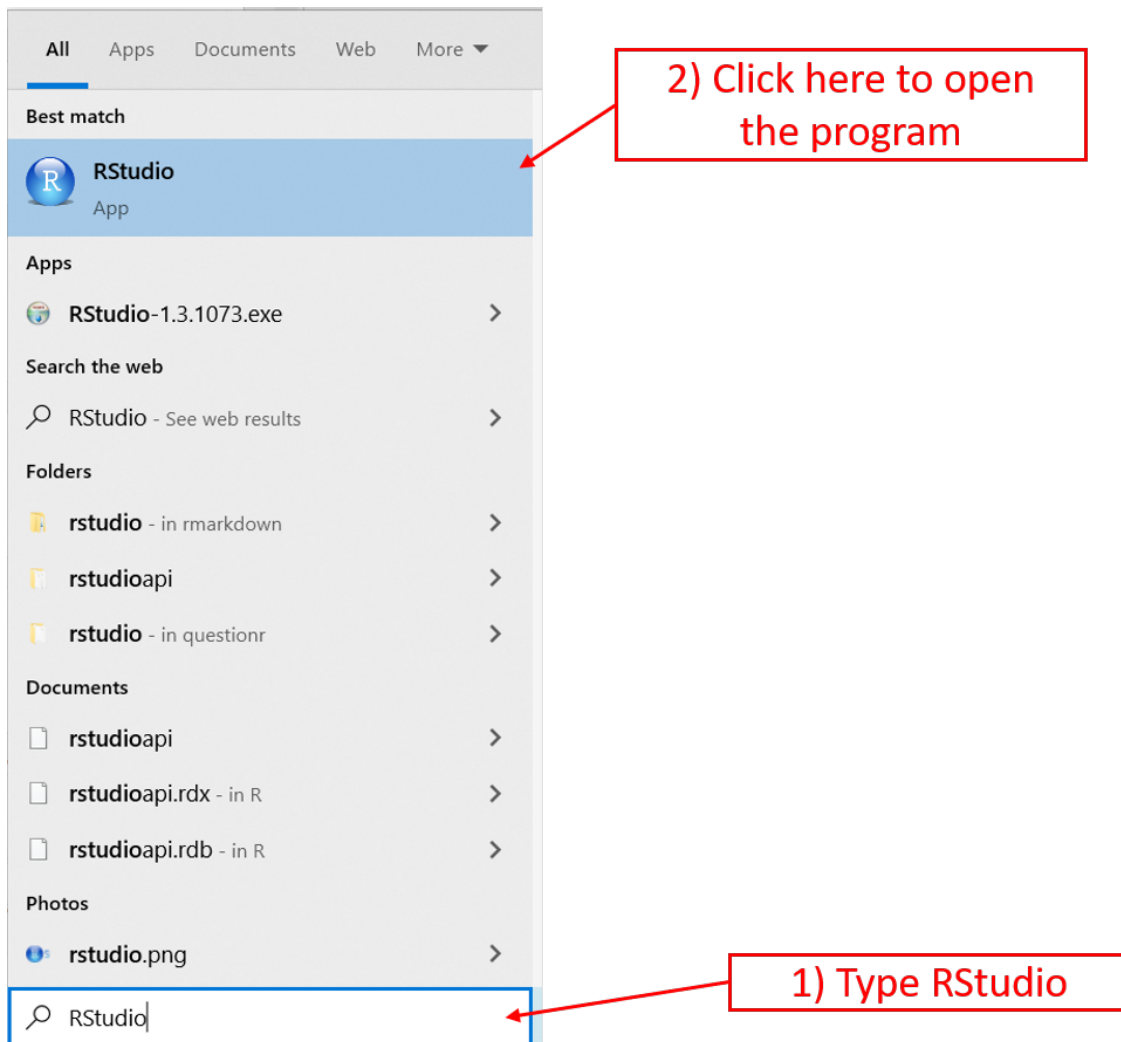
Click here!

Now, you have the RStudio program in your computer. Congratulations!!

To open the program do the following:

2) Click here to open the program

1) Type RStudio

This is the RStudio program layout!