How to Install **R** and **Rstudio**

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- R is a statistical programming/language.

- R is also used for

  - Data Wrangling

  - Data Visualization

  - Data Science

  - Machine Learning

- R is open-source and free to use.

- R community is awesome. Just search #Rstats in twitter.

1
Install R

2
Install
Rstudio

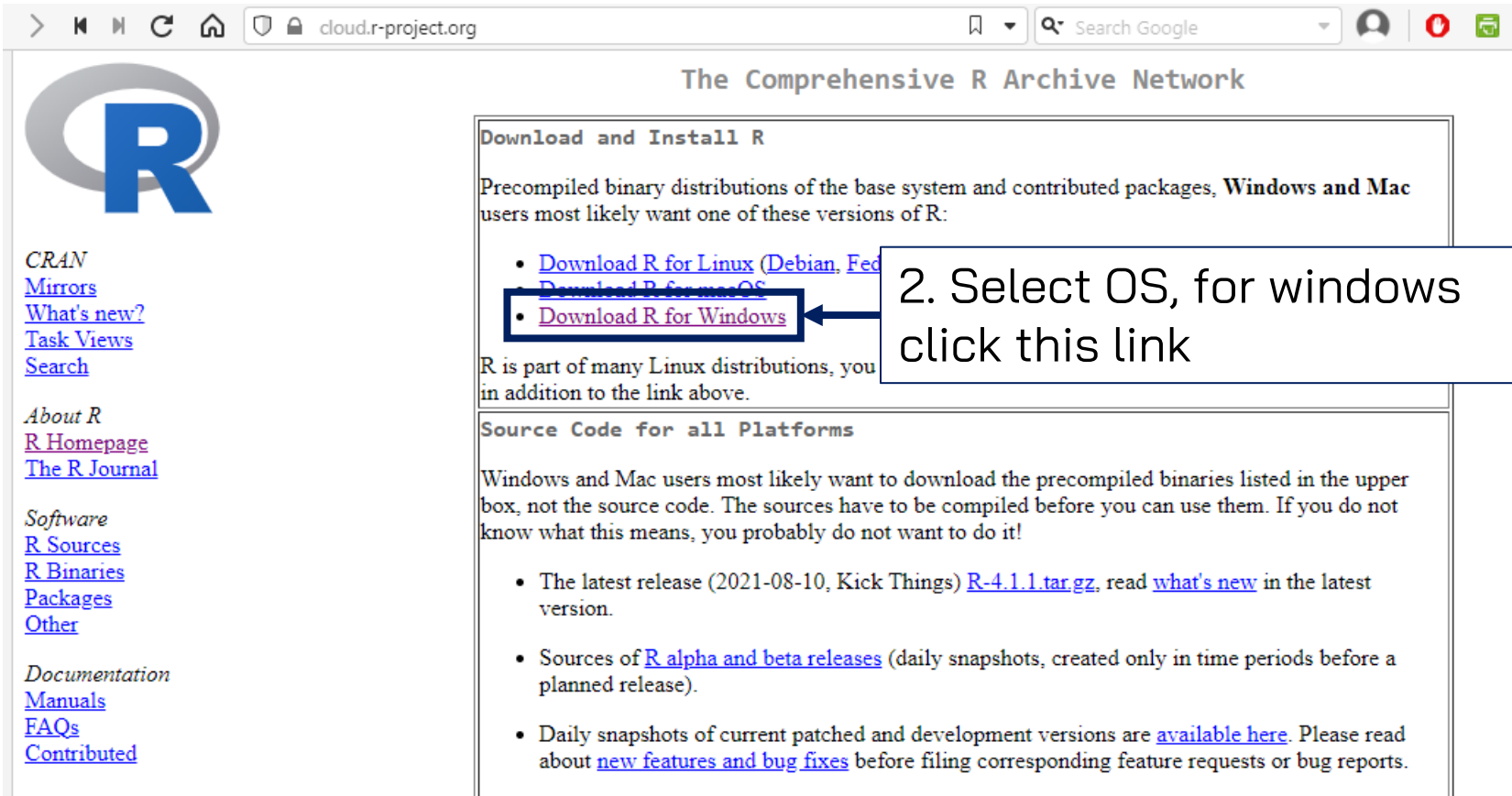# **1. Install R**

1. install R

1. go to https://cloud.r-project.org

2. Select OS, for windows click this link

3. click base and go to download page

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old contrib — Binaries of contributed CRAN packages for outdated versions of R (for R 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 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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About R
R Homepage
The R Journal

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R Binaries
Packages
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Documentation
Manuals
FAQs
Contributed

R-4.1.1 for Windows (32/64 bit)

Download R 4.1.1 for Windows (86 megab

Installation and other instructions

New features in this version

4. click this link and download popup show up
Current version is 4.2.1

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FAQs
Contributed

If you want to double-c   ge distributed by CRAN, you can
compare the md5sum o   version of md5sum for windows:
both graphical and com

Download "R-4.1.1-win.exe"?

File Name: R-4.1.1-win.exe
File Size: 85.4 MB
Host: cloud.r-project.org

☐ Always Save Files to

5. click save to download installer file

- Does R run unde
- How do I update
- Should I run 32-

| Save | Save As... | Open | Cancel |
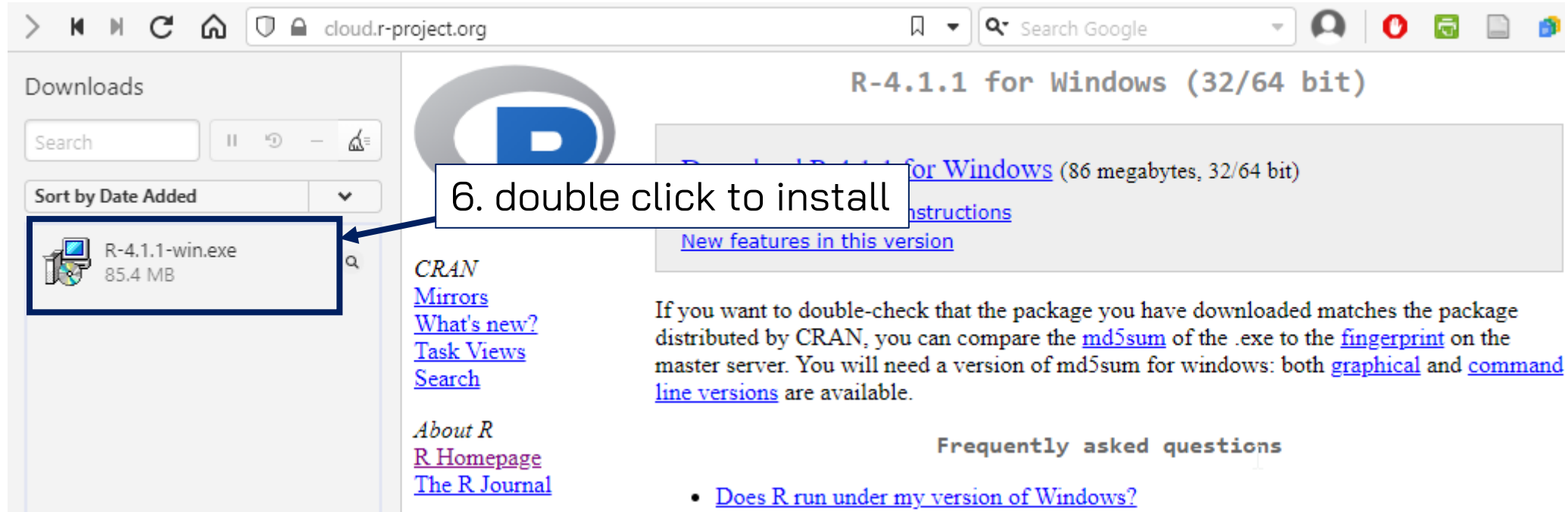
Please see the R FAQ for general information about R and the R Windows FAQ for Windows-specific information.

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.
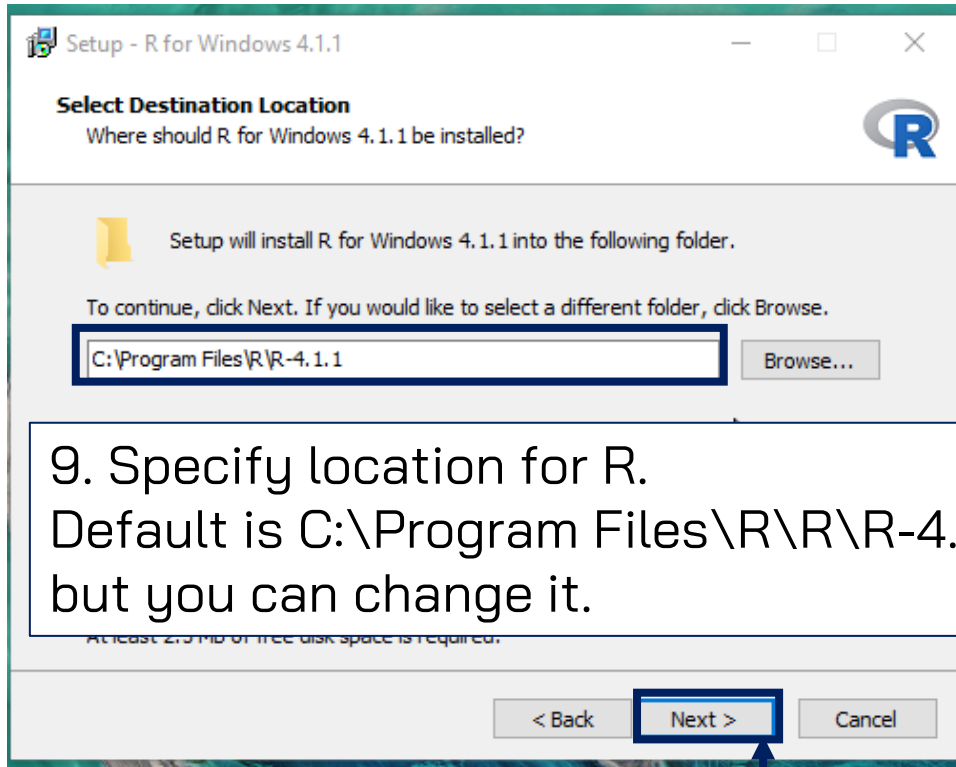
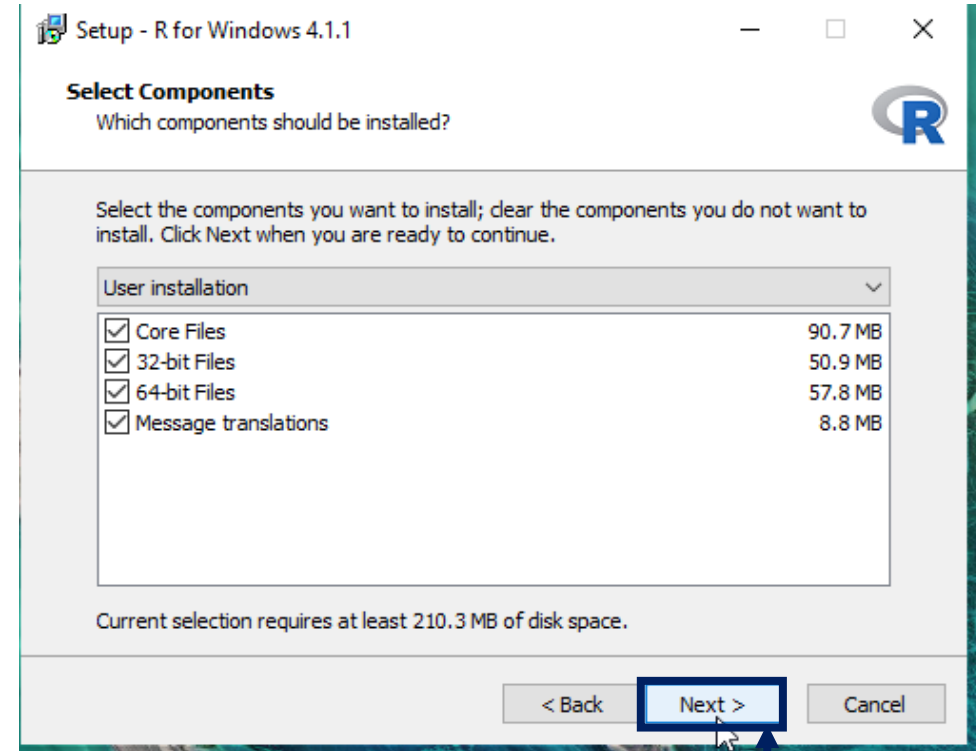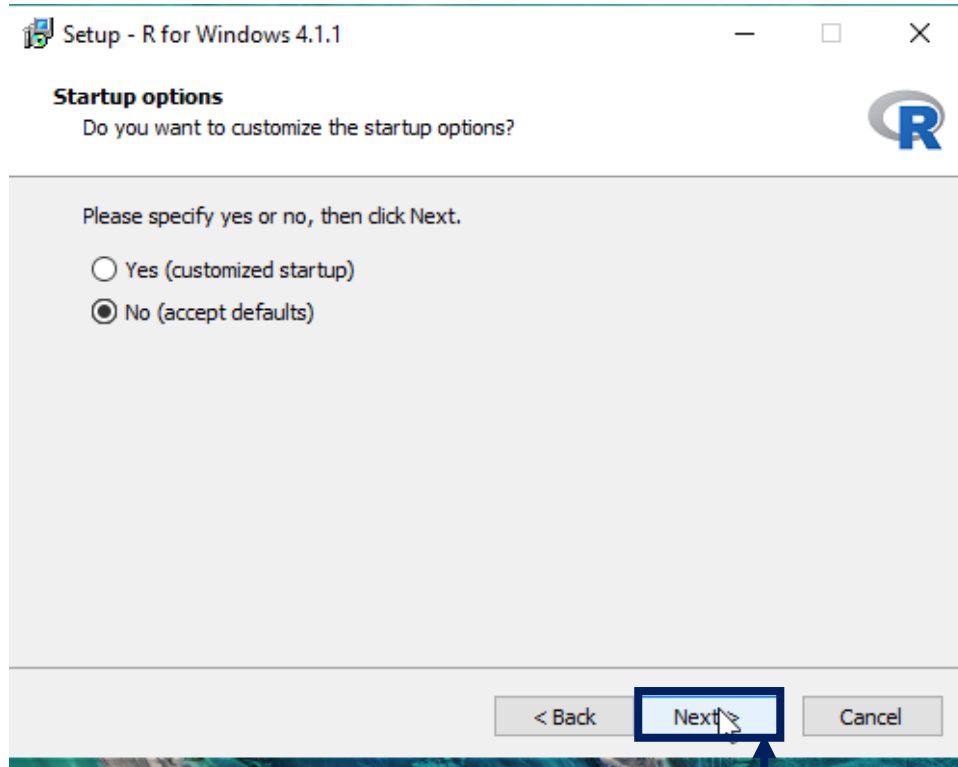# 1. install R [cont.]

7. Click OK
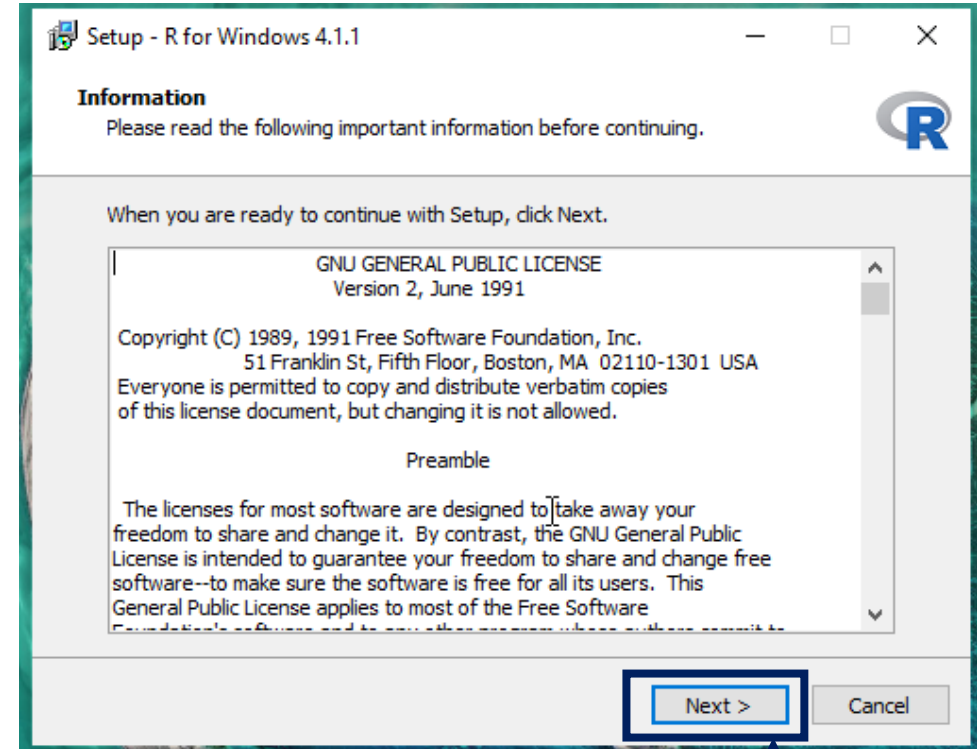
8. Click Next

1. install R (cont.)

9. Specify location for R.
Default is C:\Program Files\R\R\R-4.x.x,
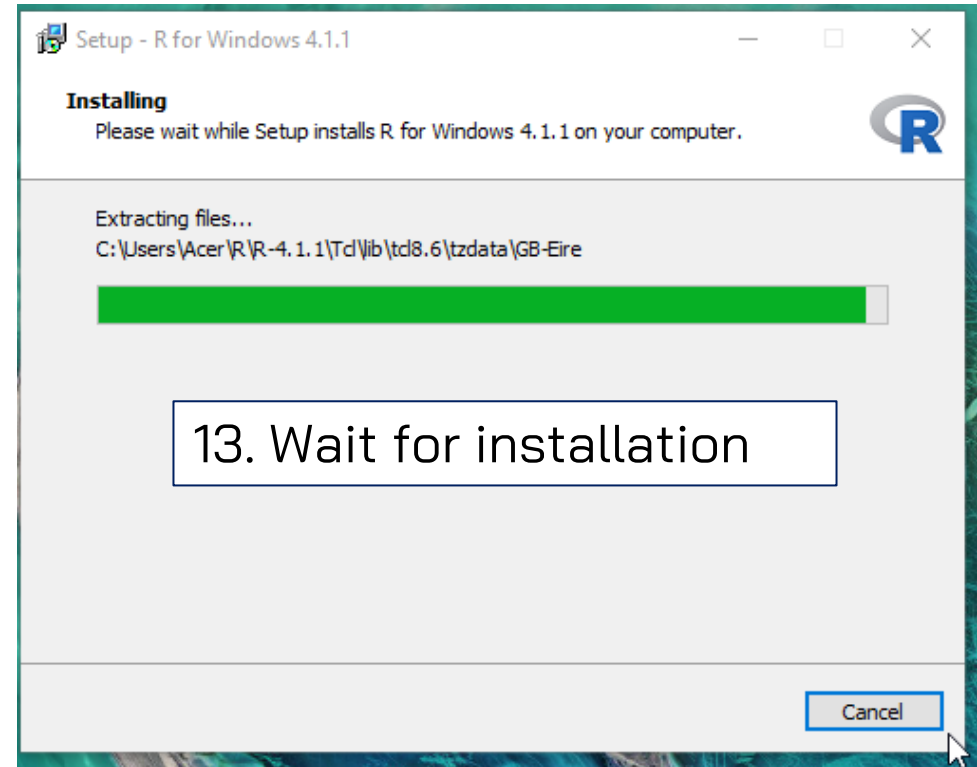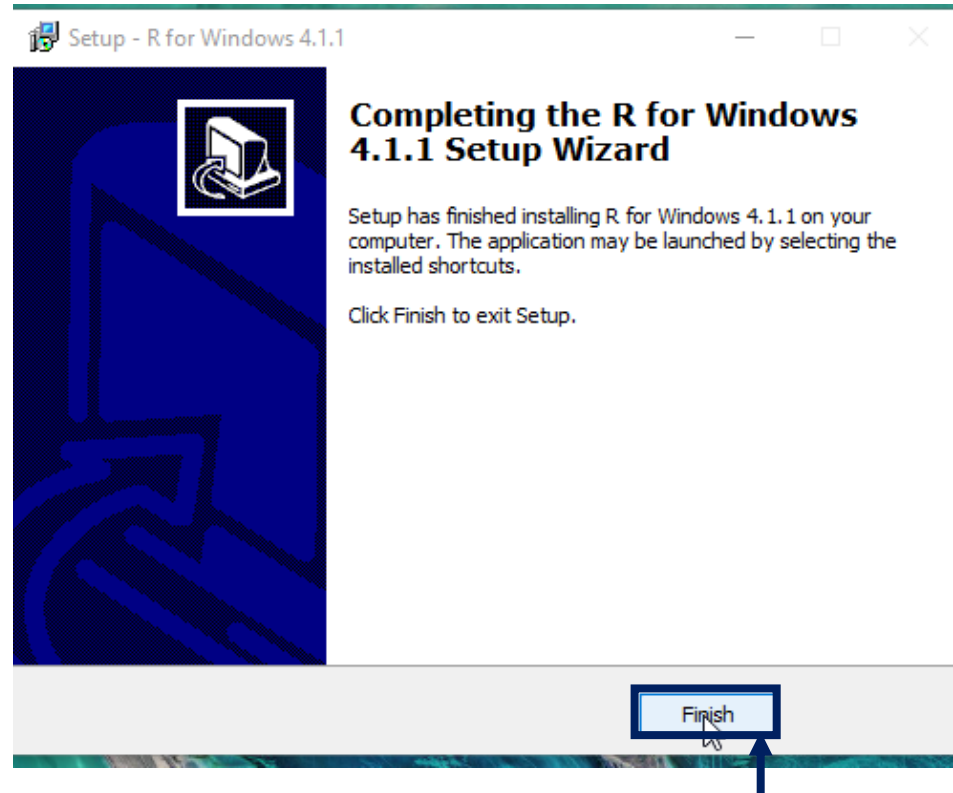but you can change it.

10. Click Next

11. Click Next

12. click Next

13. Wait for installation

14. When installation is finished, then hit Finish button

2. Install RStudio

2. Install RStudio

RStduio is an open-source software for writing R codes developed by company named Rstudio (now Posit).

Rstudio contains tools that help writing R codes easier.

1. Go to https://www.rstudio.com/products/rstudio/download/

Download the RStudio IDE

Choose Your Version

The RStudio IDE is a set of integrated tools designed to help you be more productive with R and Python. 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 THE RSTUDIO IDE

RStudio's recommended professional data science solution for every team. RStudio Team is a bundle of RStudio's popular professional software for data analysis, package management, and sharing data products.

Learn more about RStudio Team

2. Click Download
RStudio Desktop
(Open Source)

	RStudio Desktop	RStudio Desktop Pro	RStudio Server	RStudio Workbench ⓘ
	Open Source License	Commercial License	Open Source License	Commercial License
	Free	**$995** /year	**Free**	**$4,975** /year (5 Named Users)
	DOWNLOAD	BUY	DOWNLOAD	BUY
	Learn more	Learn more	Learn more	Evaluation | Learn more
Integrated Tools for R	✓	✓	✓	✓
Priority Support		✓		✓
Access via Web Browser			✓	✓
RStudio Professional Drivers		✓		✓
Connect to RStudio Workbench ⓘ remotely		✓		
Enterprise Security				✓

3. Click download

4. Click save to download file

2. install RStudio [cont.]

5. double click to launch installation

2. install RStudio (cont.)
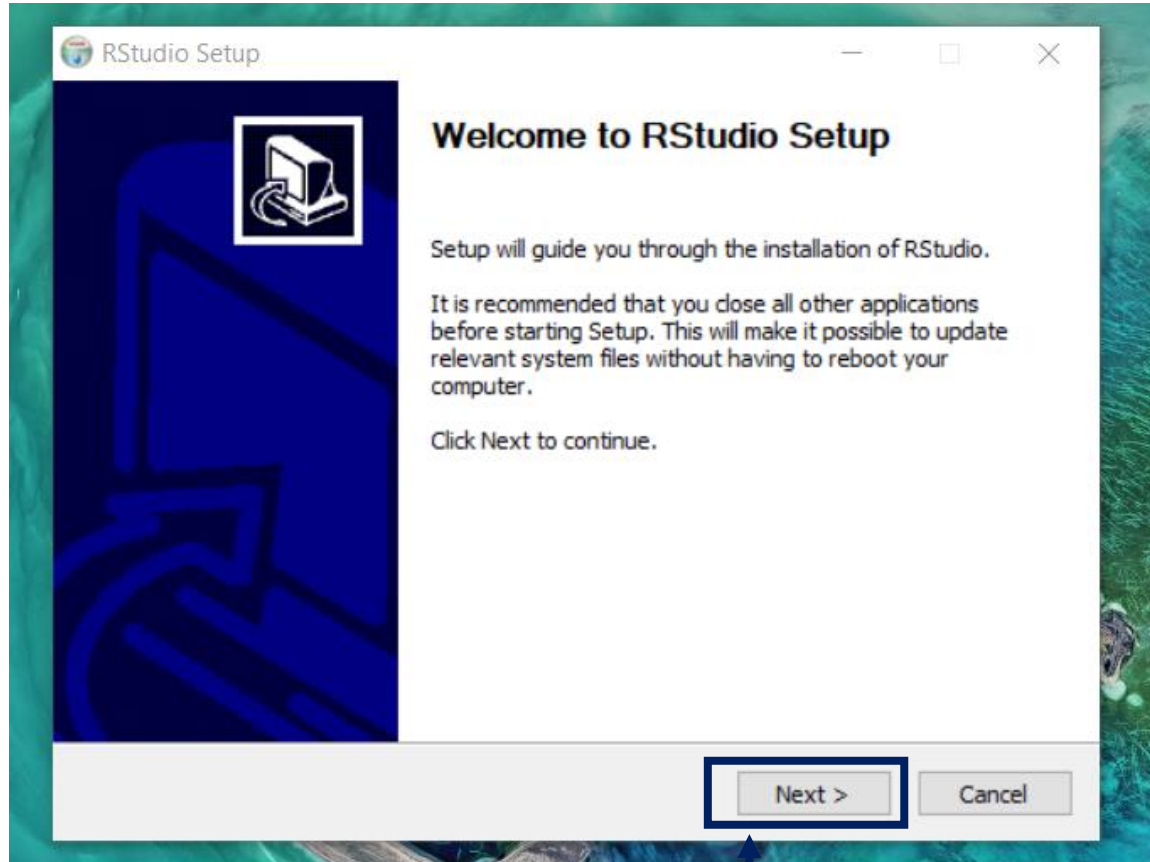
6. Click Next
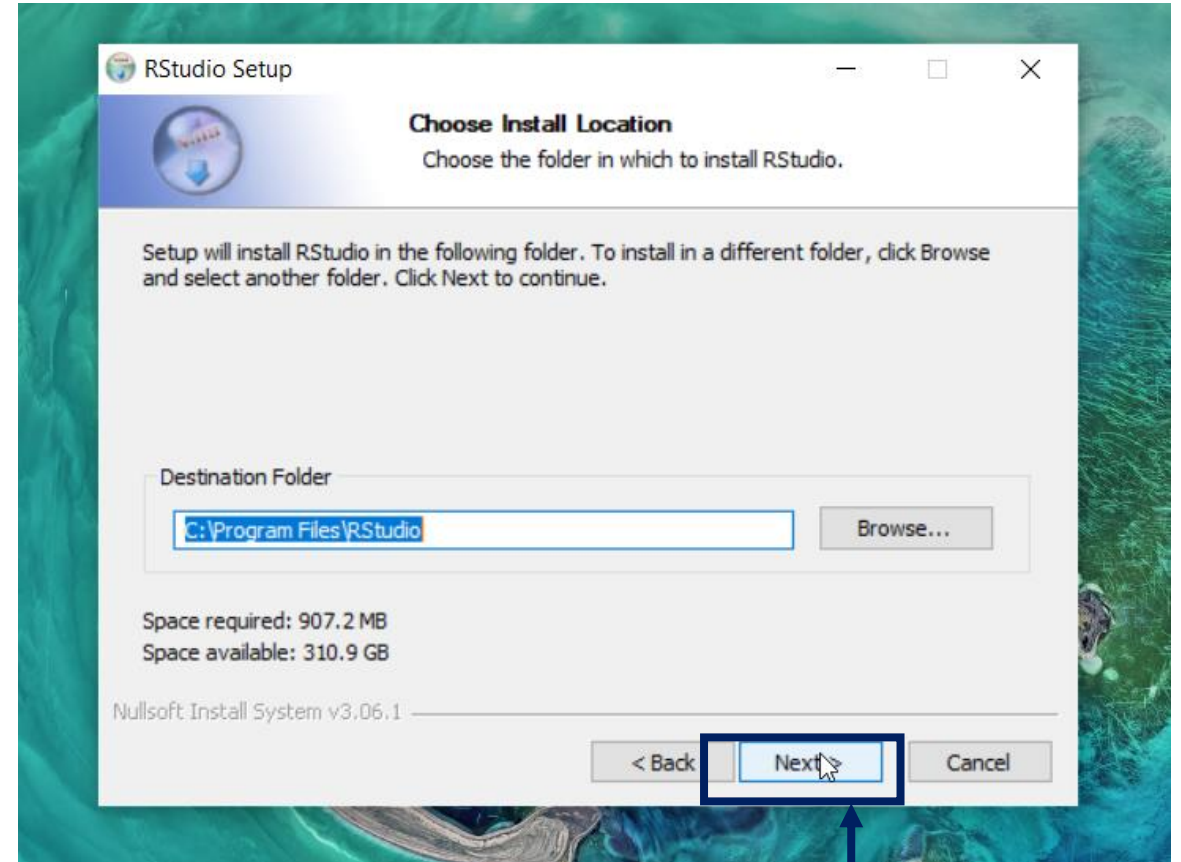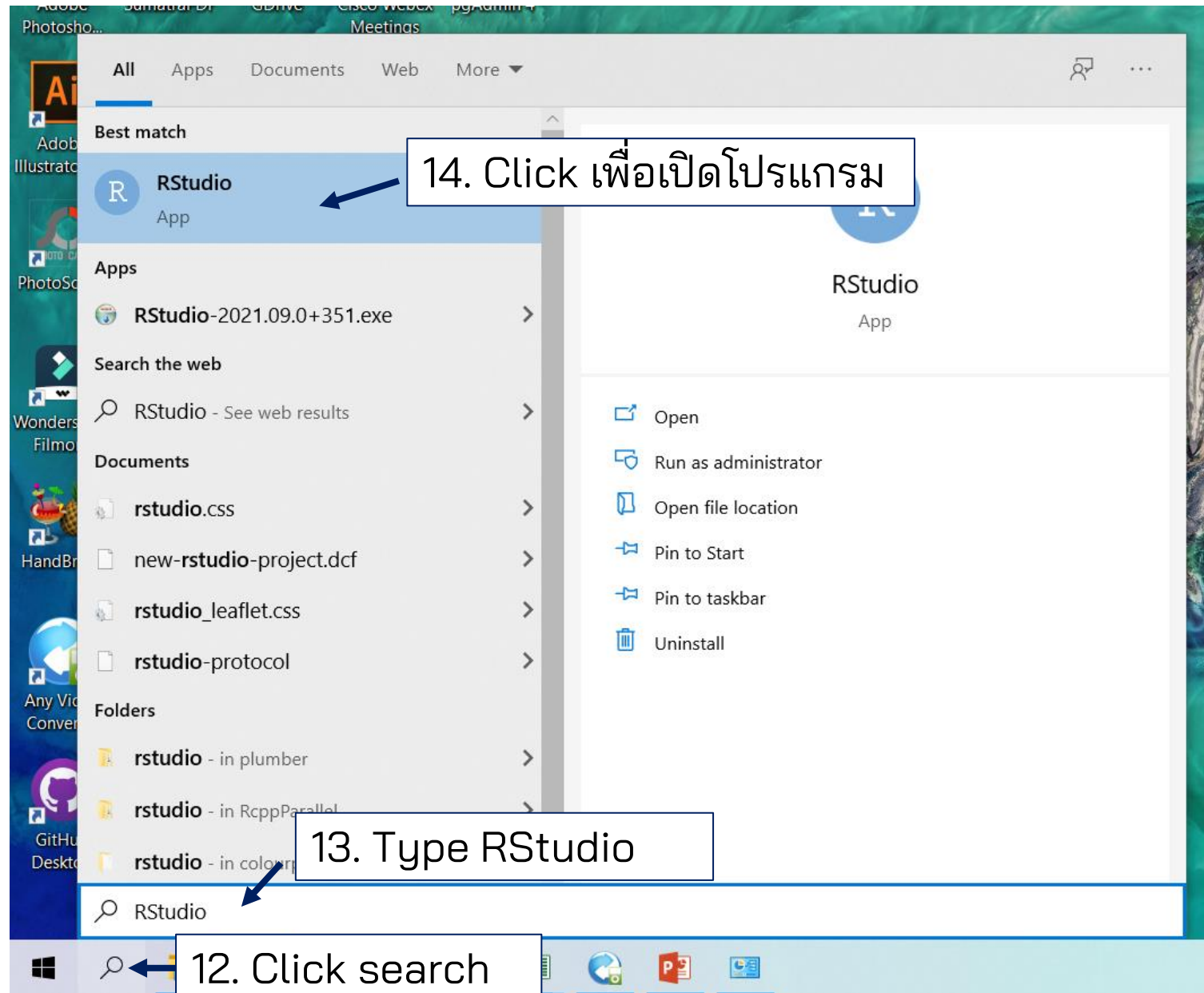
7. Click Next

2. install RStudio (cont.)
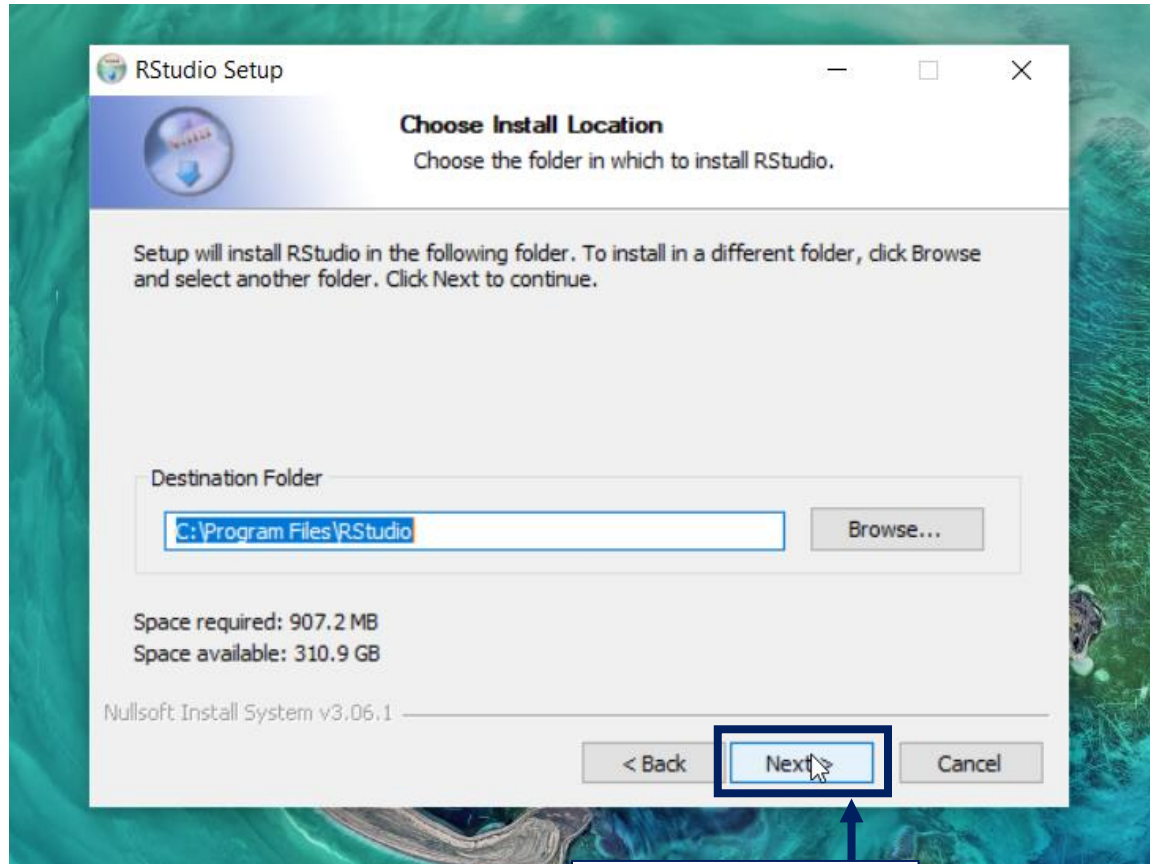
8. Click Next
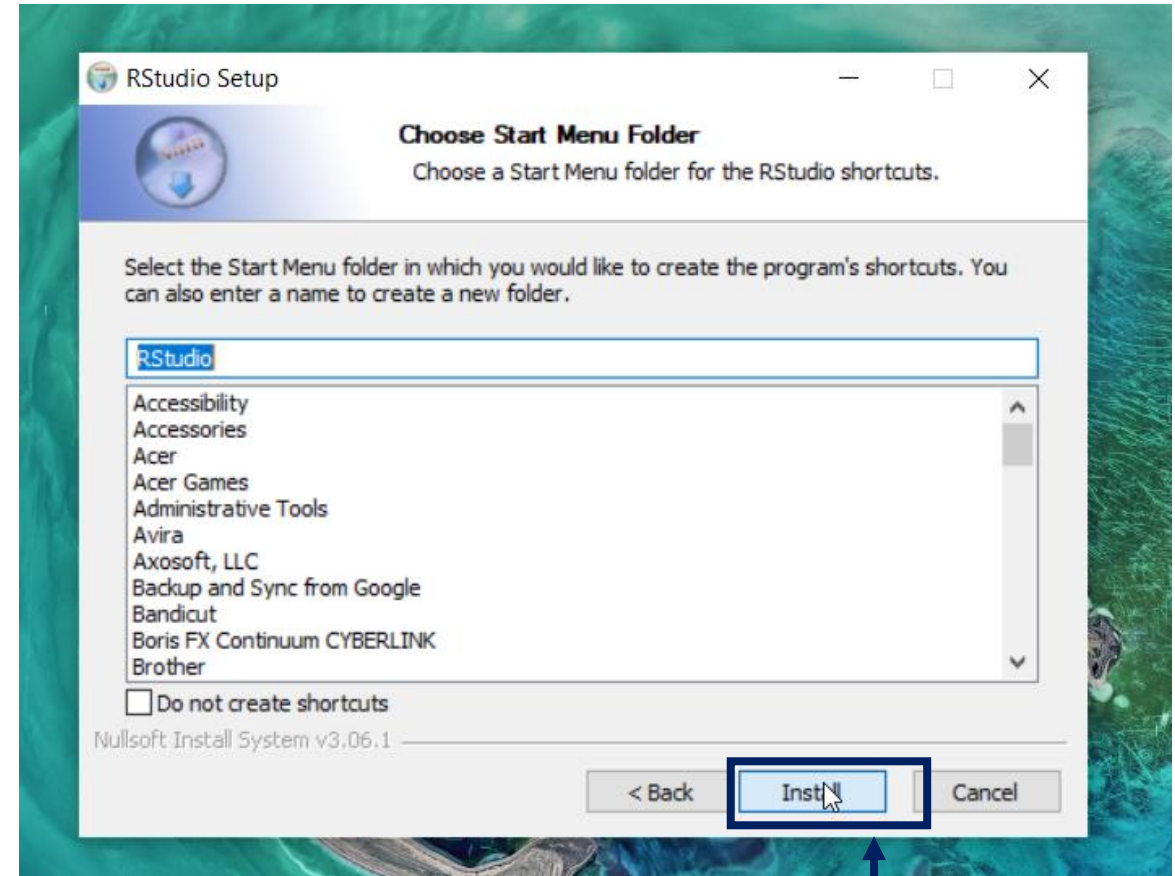
9. Click Install

1.2 RStudio (ต่อ)

10. Wait for installation

11. Click Finish

2. install RStudio (cont.)

15. **Text Editor:** For writing code where you can execute code by hitting Ctrl + Enter

16. **Console:** Display result

2. install RStudio (cont.)

19. Type package names you want to install i.e. tidyverse

17. Select Packages tab

18. Select Install

20. Click Install