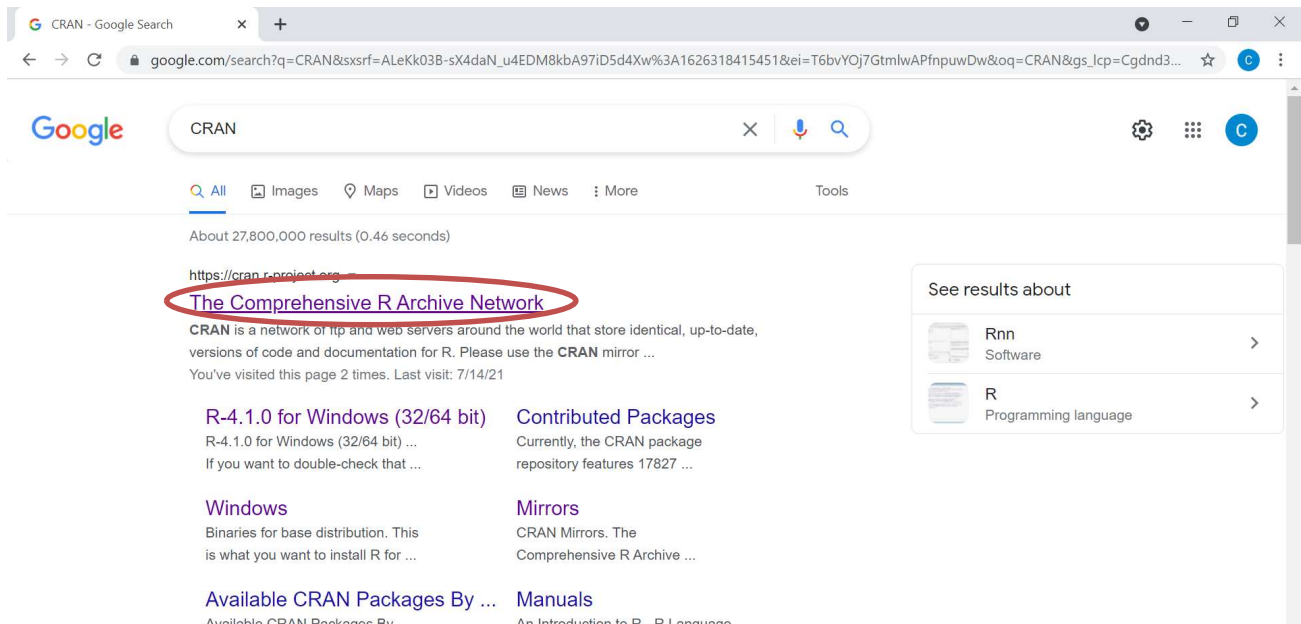# Installing R and RStudio

Installing R

RStudio is an interactive desktop environment, 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.

1. You can download R from the Comprehensive R Archive Network (CRAN). Search for CRAN on your browser:
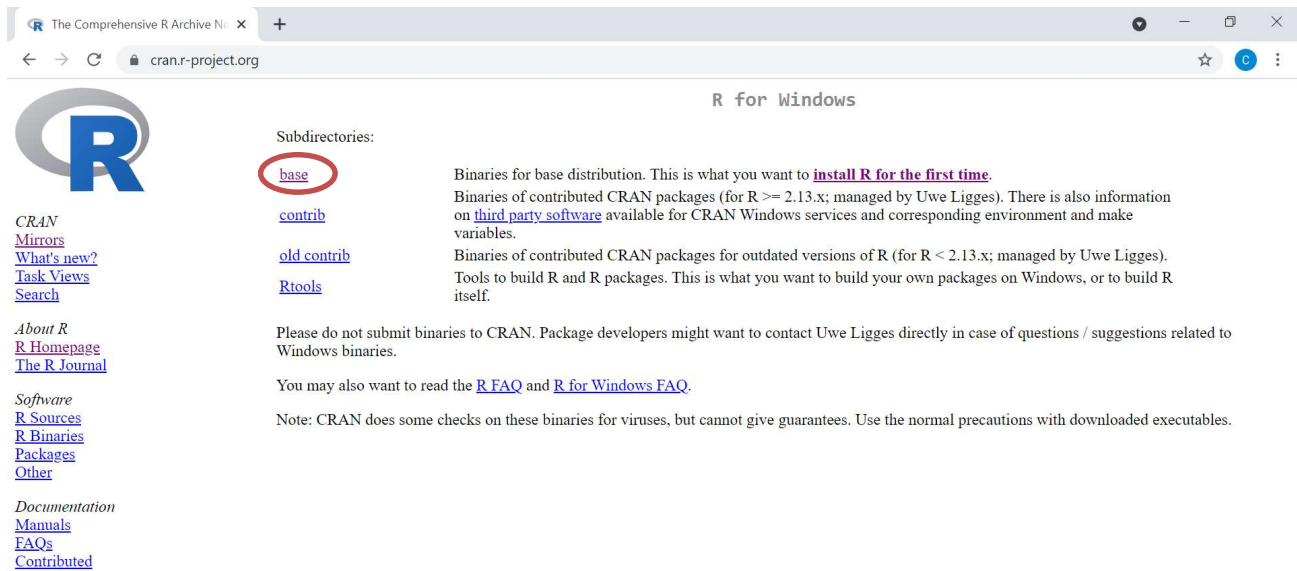

2. Once on the CRAN page, select the version for your operating system: Linux, Mac OS X, or Windows.
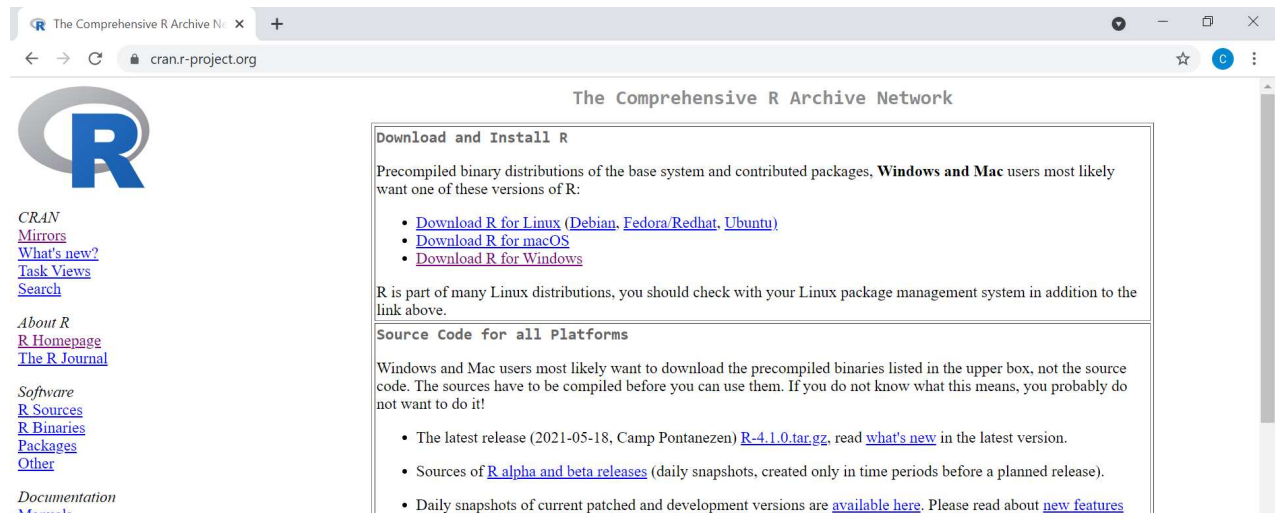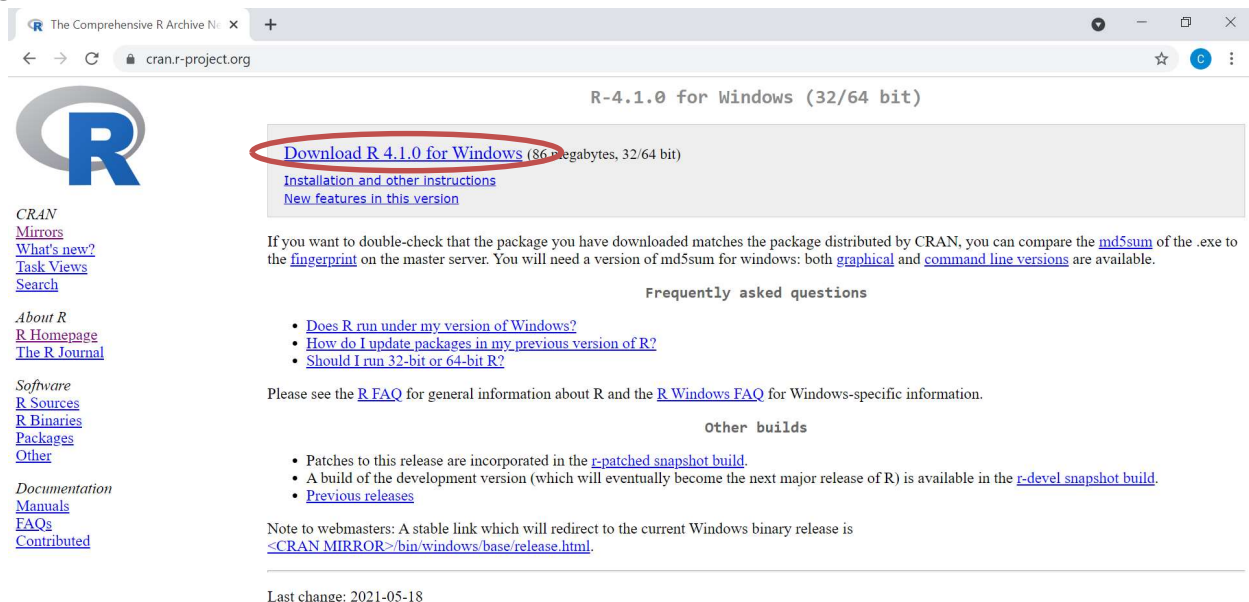

Here we show screenshots for Windows, but the process is similar for the other platforms.

3. 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.

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old contrib — Binaries of contributed CRAN packages for outdated versions of R (for R 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

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4. Click on the link for the latest version to start the download.

R-4.1.0 for Windows (32/64 bit)

Download R 4.1.0 for Windows (86 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: 2021-05-18

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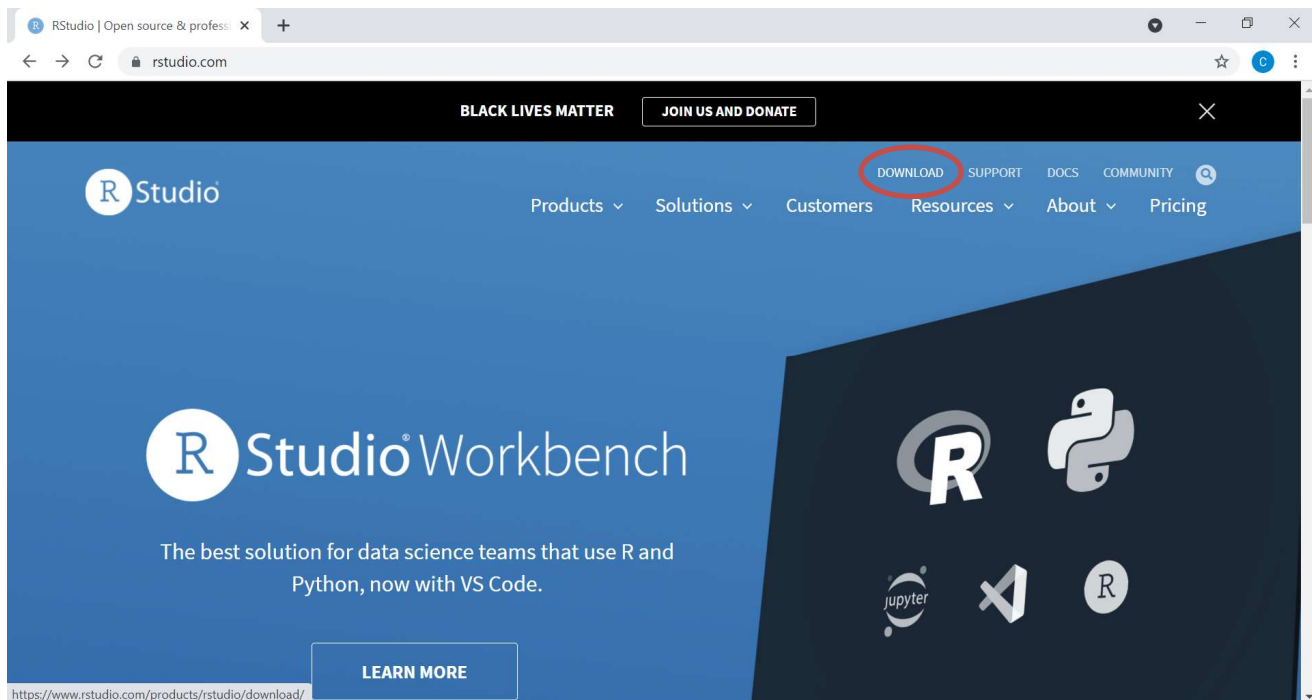5. After the download is completed, click on the downloaded file to start the installation process.

6. We recommend you select all the default choices to finish the installation.
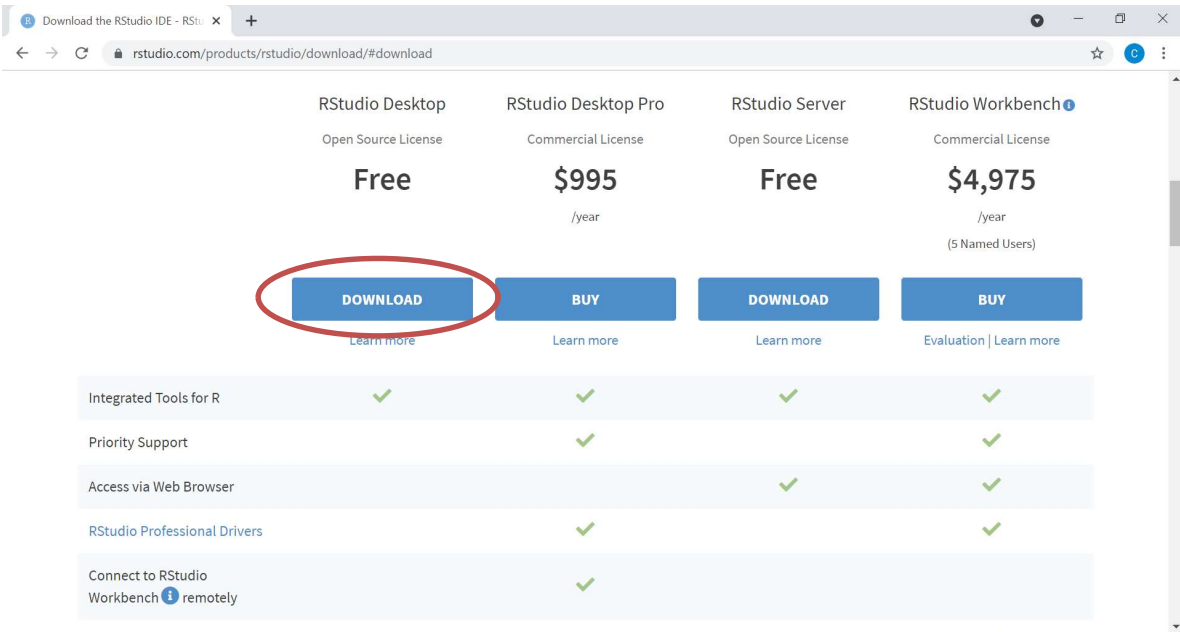
Installing RStudio

7. You can start by searching for RStudio on your browser:
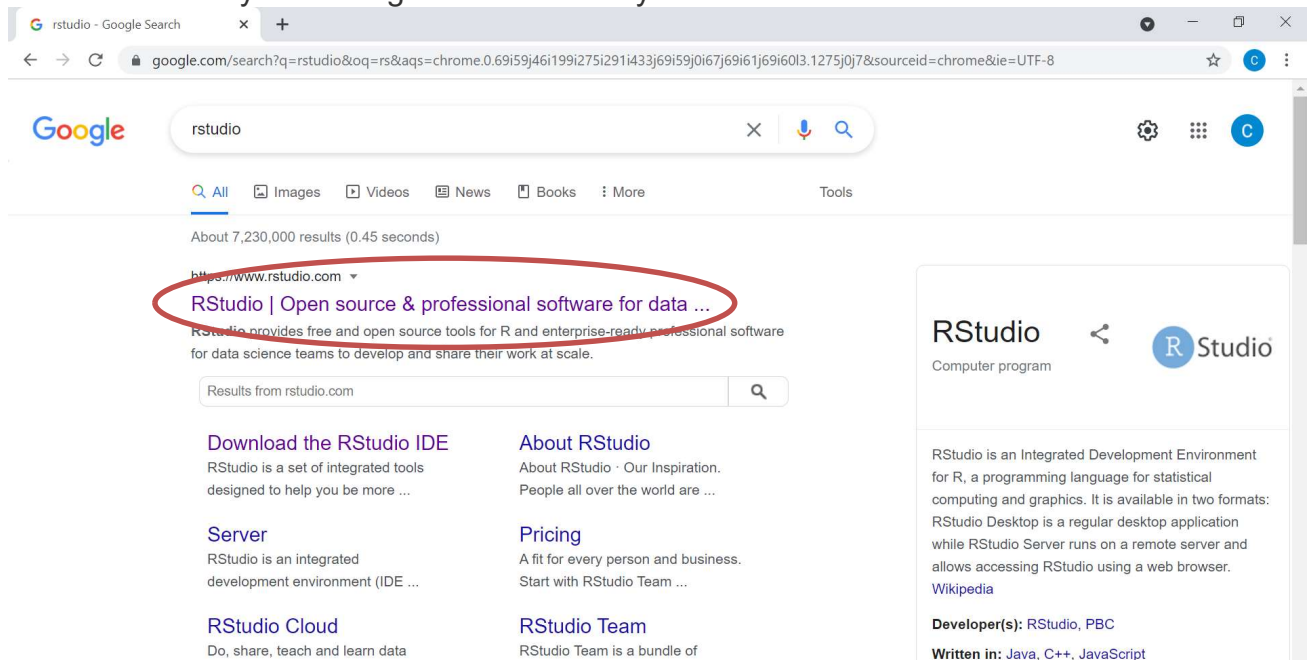
8. You should find the RStudio website as shown above. Once there, click on *Download.*

9. This will give you several options. For what we do in this course, it is more than enough to usethe free Desktop version:

10. 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.
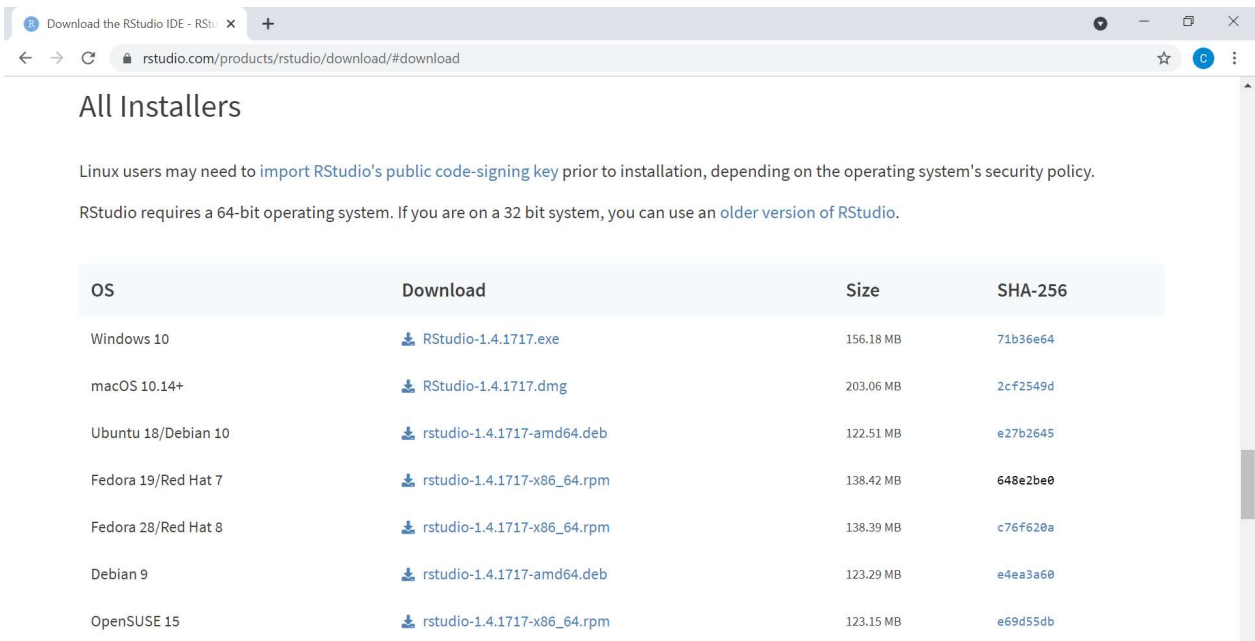
11. After the download is completed, click on the downloaded file to start the installation process.

12. We recommend clicking yes on all the defaults to finish the installation.