

R Programming For Beginners

This guide will help you to set up for the workshop. It is necessary to install latest version of **R** and **RStudio** software before the workshop so that we can focus on learning R programming.

Follow the step by step instruction (see next page for visual guide):

Install R

- Download and install according to your system:
 - Windows: <http://cran.utstat.utoronto.ca/bin/windows/base/R-3.6.0-win.exe>
 - Mac: <http://cran.utstat.utoronto.ca/bin/macosx/R-3.6.0.pkg>
 - Linux: Use package manager e.g. `sudo apt install r-base`

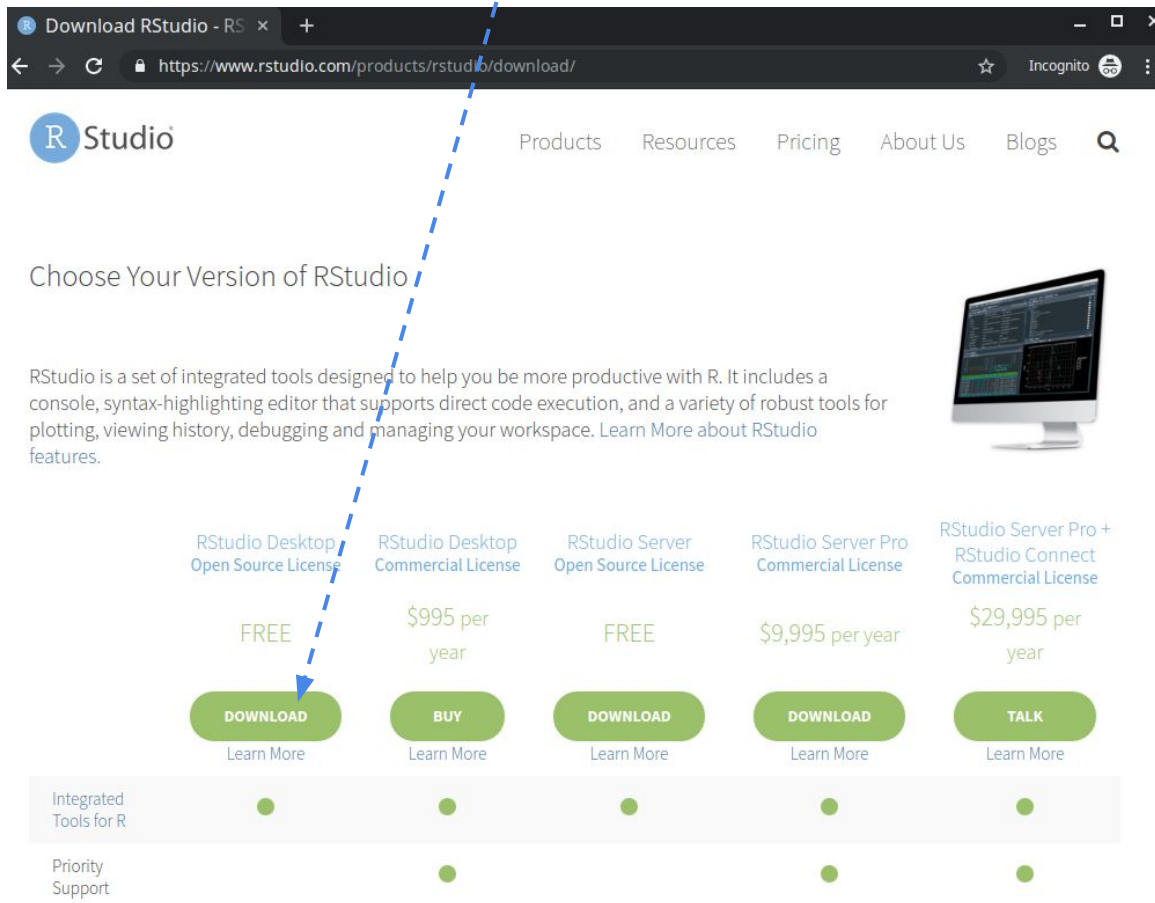
Install RStudio

- Go to the RStudio website <https://www.rstudio.com/products/rstudio/download/>
- Click on the first FREE DOWNLOAD option
- You will see different options. Download and install according to your operating system
- Otherwise, you can use direct link to download the Rstudio:
 - Windows
<https://download1.rstudio.org/desktop/windows/RStudio-1.2.1335.exe>
 - Mac
<https://download1.rstudio.org/desktop/macos/RStudio-1.2.1335.dmg>
- Once installed, open the RStudio to check if it installed properly.

If you have any issue/error during the installation, contact us as soon as possible. Again during the workshop we cannot assist with installation. Therefore please make sure R and RStudio is installed in your laptop.

Install RStudio

- Go to the RStudio website <https://www.rstudio.com/products/rstudio/download/>
- Click on the first FREE DOWNLOAD option



- You will see different options. Download and install according to your operating system

The screenshot shows the 'Installers for Supported Platforms' section of the RStudio download page. It lists various installers for Windows, Mac, and Linux, along with their sizes, dates, and MD5 hashes. Arrows point from the 'For Windows', 'For Mac', and 'For Linux' labels to the corresponding installers in the table.

Installers	Size	Date	MD5
RStudio 1.2.1335 - Windows 7+ (64-bit)	126.9 MB	2019-04-08	d0e2470f1f8ef4cd35a669aa323a2136
RStudio 1.2.1335 - Mac OS X 10.12+ (64-bit)	121.1 MB	2019-04-08	6c570b0e2144583f7c48c284ce299eef
RStudio 1.2.1335 - Ubuntu 14/Debian 8 (64-bit)	92.2 MB	2019-04-08	c1b07d0511469abfe582919b183eee83
RStudio 1.2.1335 - Ubuntu 16 (64-bit)	99.3 MB	2019-04-08	c142d69c210257fb10d18c045fff13c7
RStudio 1.2.1335 - Ubuntu 18 (64-bit)	100.4 MB	2019-04-08	71a8d1990c0d97939804b46cfb0aea75
RStudio 1.2.1335 - Fedora 19+/RedHat 7+ (64-bit)	114.1 MB	2019-04-08	296b6ef88969a91297fab6545f256a7a
RStudio 1.2.1335 - Debian 9+ (64-bit)	100.6 MB	2019-04-08	1e32d4d6f6e216f086a81ca82ef65a91
RStudio 1.2.1335 - OpenSUSE 15+ (64-bit)	101.6 MB	2019-04-08	2795a63c7efd8e2aa2dae86ba09a81e5
RStudio 1.2.1335 - SLES/OpenSUSE 12+ (64-bit)	94.4 MB	2019-04-08	c65424b06ef6737279d982db9eefcae1

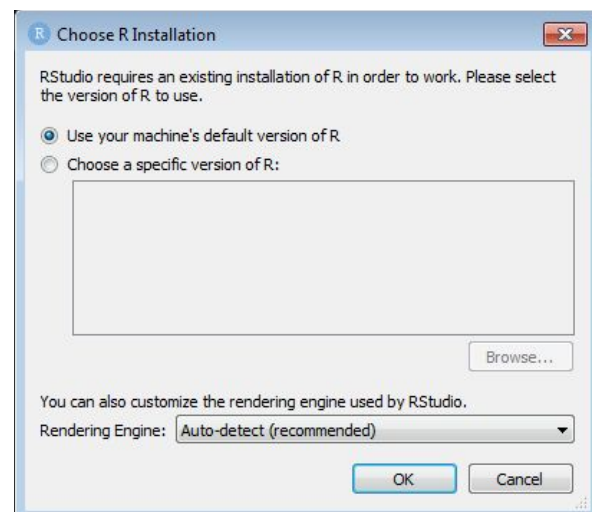
Microsoft
Windows
For Windows

 For Mac

 For Linux

- Once installed, open the RStudio to check if it installed properly.

Opening RStudio first time you will see a selection window. Use all the default options and click OK



- Your RStudio should look like this.

