

Hi All,

Thank you for attending this statistical modelling and R workshop.

Before we can start, we need you to do a couple of things!

To begin, let's download R and RStudio on your laptop, click on the link below:

<https://www.r-project.org/>

From here click on the **download R** link!



[\[Home\]](#)

Download

[CRAN](#)

R Project

[About R](#)

[Logo](#)

[Contributors](#)

[What's New?](#)

[Reporting Bugs](#)

[Conferences](#)

[Search](#)

[Get Involved: Mailing Lists](#)

[Developer Pages](#)

[R Blog](#)

The R Project for Statistical Computing

Getting Started

R is a free software environment for statistical computing and graphics. It compiles and runs on a wide variety of UNIX platforms, Windows and MacOS. To **download R**, please choose your preferred [CRAN mirror](#).

If you have questions about R like how to download and install the software, or what the license terms are, please read our [answers to frequently asked questions](#) before you send an email.

News

- **R version 4.0.4 (Lost Library Book)** has been released on 2021-02-15.
- Thanks to the organisers of useR! 2020 for a successful online conference. Recorded tutorials and talks from the conference are available on the [R Consortium YouTube channel](#).
- **R version 3.6.3 (Holding the Windsock)** was released on 2020-02-29.
- You can support the R Foundation with a renewable subscription as a [supporting member](#)

News via Twitter

You'll be redirected to the nearest server, in this case, choose the **Manitoba Unix User Group**

Canada

<https://mirror.rcg.sfu.ca/mirror/CRAN/>

<https://muug.ca/mirror/cran/>

<https://mirror.its.dal.ca/cran/>

<https://utstat.toronto.edu/cran/>

Simon Fraser University, Burnaby
Manitoba Unix User Group
Dalhousie University, Halifax
University of Toronto

Next, you'll want to download R for the appropriate computer operating software (OS)

The Comprehensive R Archive Network

Download and Install R

Precompiled binary distributions of the base system and contributed packages, **Windows and Mac** users most likely want one of these versions of R:

- [Download R for Linux](#)
- [Download R for \(Mac\) OS X](#)
- [Download R for Windows](#)

R is part of many Linux distributions, you should check with your Linux package management system in addition to the link above.

Source Code for all Platforms

Windows and Mac users most likely want to download the precompiled binaries listed in the upper box, not the source code. The sources have to be compiled before you can use them. If you do not know what this means, you probably do not want to do it!

- The latest release (2021-02-15, Lost Library Book) [R-4.0.4.tar.gz](#), read [what's new](#) in the latest version.
- Sources of [R alpha and beta releases](#) (daily snapshots, created only in time periods before a planned release).
- Daily snapshots of current patched and development versions are [available here](#). Please read about [new features and bug fixes](#) before filing corresponding feature requests or bug reports.
- Source code of older versions of R is [available here](#).
- Contributed extension [packages](#)

Questions About R

- If you have questions about R like how to download and install the software, or what the license terms are, please read our [answers to frequently asked questions](#) before you send an email.

Then, click on **install R** for the first time, and download the version that is prompted!

Subdirectories:

[base](#)

Binaries for base distribution. This is what you want to [install R for the first time](#).

[Download R 4.0.4 for Windows](#) (85 megabytes, 32/64 bit)

[Installation and other instructions](#)

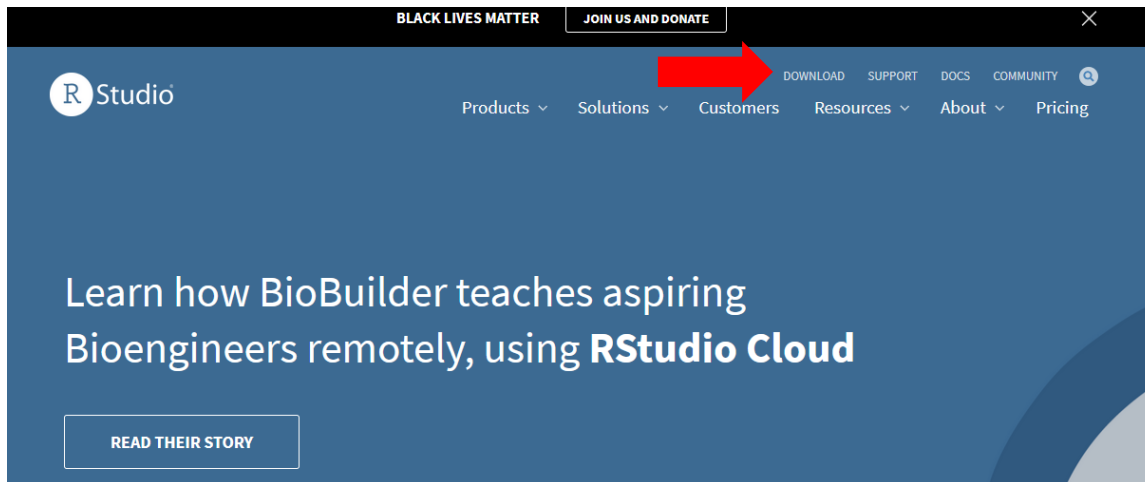
[New features in this version](#)

Run the program and choose the appropriate architecture for your computer. For example, if you're using more than 4 gbs of RAM then choose the x64 only. If less, then choose the x32 version only.

Now, let's download Rstudio with the below link:

<https://rstudio.com/>

Go to the download button



Choose the free version and click the download button for the appropriate OS

RStudio Desktop 1.4.1106 - [Release Notes](#)

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



Requires Windows 10/8 (64-bit)



Run the program and choose the appropriate architecture for your computer like above!

Now, let's download some packages to R!

To begin, open up RStudio

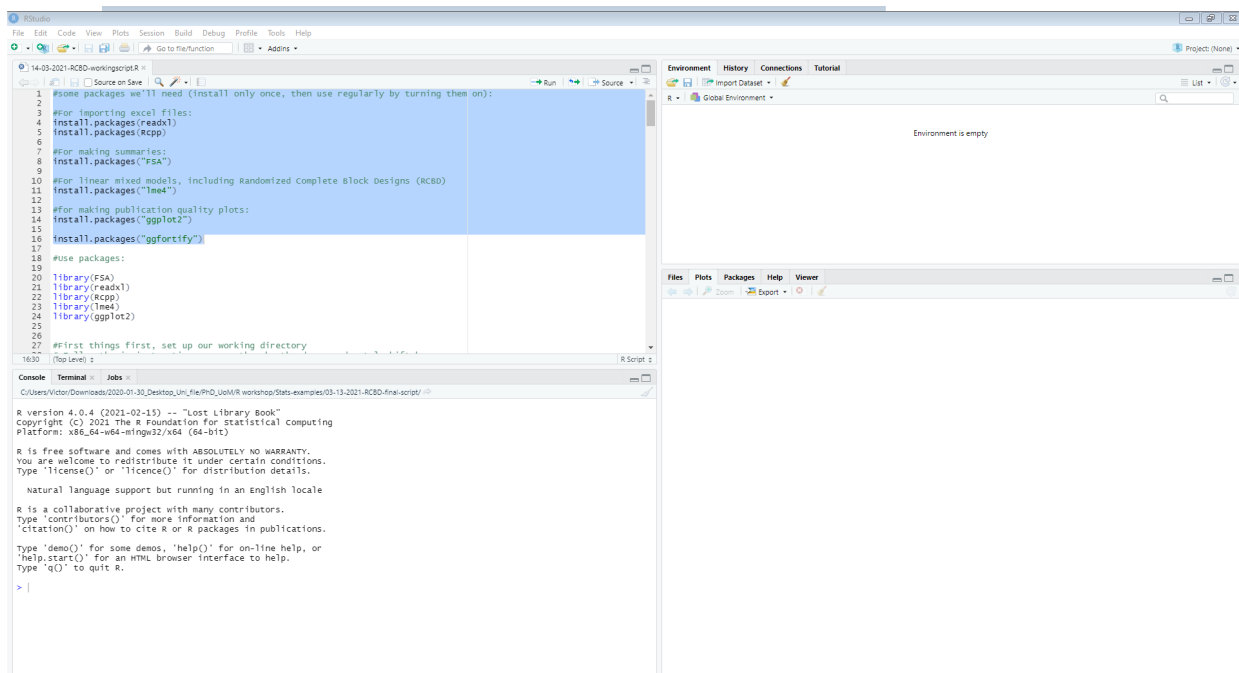
The interface will look something like this.

Download and open up the script called:

14-03-2021-RCBD-workingscript

From:

What you'll see now is something like this



From here, highlight the portion with names such as "install.packages(...)" like above one at a time and then click run!

Or, highlight all of them and click run

Let them do their thing and wait for R to prompt that the packages are installed

Congrats! You're ready to start using R!