

Hello!

For the correct functioning of the R Programming Language and to make the most of our time in the class, we ask that you install the 02 (two) *software*:

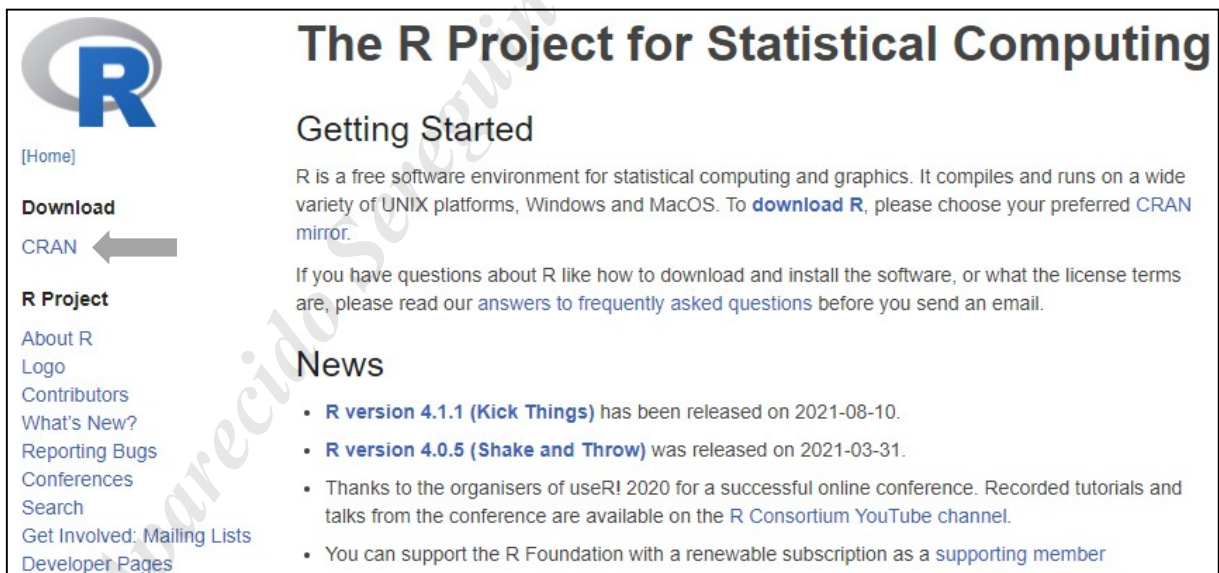
- Language R, version 4.1.1: <http://www.r-project.org>
- RStudio, version 1.4,1717: <https://rstudio.com>

The first app will effectively allow your computer to understand the R language; the second is an integrated development environment for the R language – it can be said to be an enabler.

ATTENTION: if you already have the R language installed on your computer, but you indeed are a beginner, we reinforce the need to install the 4.1.1 version. This version is ‘smarter’ than previous versions, more easily recognizing possible categorical variables in a database. If you are looking at this course as an update, we ask that you use at least version 3.6.1.

INSTALLING R LANGUAGE

When entering the page <http://www.r-project.org>, we must click “CRAN”, according to the figure below:



After that, we must choose which server we will download the R language from. Take, for example, a *mirror* from USP:

The Comprehensive R Archive Network is available at the following URLs, please choose a location close to you. Some statistics on the status of the mirrors can be found here: [main page](#), [windows release](#), [windows old release](#).

If you want to host a new mirror at your institution, please have a look at the [CRAN Mirror HOWTO](#)

0-Cloud	https://cloud.r-project.org/	Automatic redirection to servers worldwide, currently sponsored by Rstudio
Algeria	https://cran.usthb.dz/	University of Science and Technology Houari Boumediene
Argentina	http://mirror.fcaglp.unlp.edu.ar/CRAN/	Universidad Nacional de La Plata
Australia	https://cran.csiro.au/ https://mirror.aarnet.edu.au/pub/CRAN/ https://cran.ms.unimelb.edu.au/ https://cran.curtin.edu.au/	CSIRO AARNET School of Mathematics and Statistics, University of Melbourne Curtin University
Austria	https://cran.wu.ac.at/	Wirtschaftsuniversität Wien
Belgium	https://www.freeststatistics.org/cran/ https://ftp.belnet.be/mirror/CRAN/	Patrick Wessa Belnet, the Belgian research and education network
Brazil	https://nbcg.b.uesc.br/mirrors/cran/ https://cran-r.c3sl.ufpr.br/ https://cran.fiocruz.br/ https://vps.fmvz.usp.br/CRAN/ https://bneiger.esalq.usp.br/CRAN/	Computational Biology Center at Universidade Estadual de Santa Cruz Universidade Federal do Paraná Oswaldo Cruz Foundation, Rio de Janeiro University of São Paulo, São Paulo University of São Paulo, Piracicaba

Next, we must choose which Operating System your machine will use to install the R language:

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:

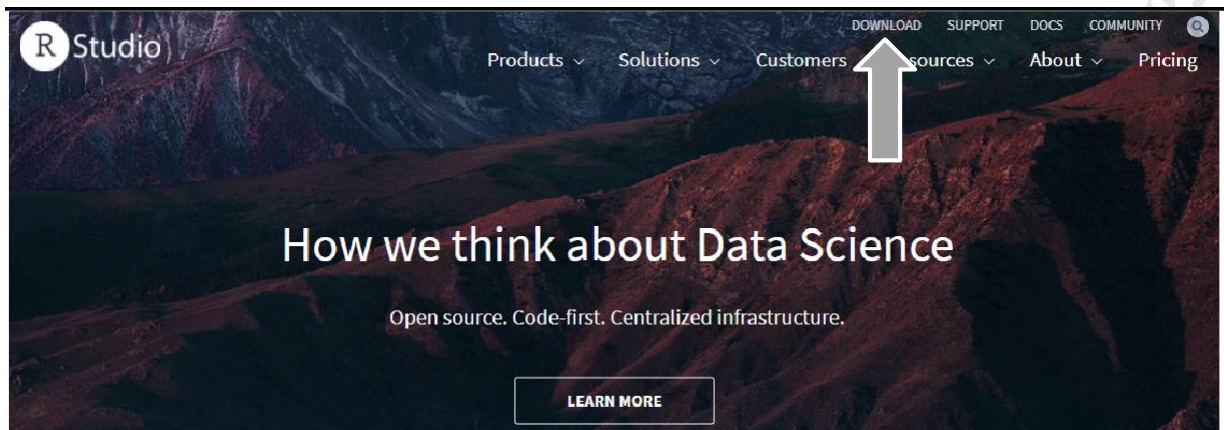
- [Download R for Linux](#)
- [Download R for \(Mac\) OS X](#)
- [Download R for Windows](#)

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

- For Windows users: click on “base”, right after on “Download R 4.1.1 for Windows”. Execute the downloaded file and install it as usual, with the default settings;
- For Mac users: click on “R-4.1.1.pkg”. Install the application as usual, with the standard configurations;
- For Linux users: check if the adopted distribution already has R installed – e.g.: Debian, RedHat [Fedora], Suse [OpenSuse], Ubuntu. If not, follow the instructions on the link: <https://vps.fmvz.usp.br/CRAN/>.

INSTALLING RSTUDIO

On the page <https://rstudio.com>, we must click on “Download”:



After that, we must roll the page down and click on “Download” of the *Free* version.

Next, we must click on the *link* corresponding to the version of the Operational System to be used.

After the download is finished, the file must be installed, as usual, keeping the default settings.

Best wishes!