15.1.2 Install R

Now that he has a bit of background on R and RStudio, Jeremy is ready to get downloading. First he'll download R itself and then move on to RStudio.

We must first install R before installing RStudio. This way, RStudio can easily find our R installation while being configured; otherwise, we would have to manually tell RStudio where to find our installed applications.

To install R on macOS or Windows, navigate to **R's Comprehensive R Archive Network (CRAN) server (https://cran.r-project.org/mirrors.html)** and select a mirror link near our region. In most cases, any U.S. mirror link will do (see the following images):

CRAN Mirrors

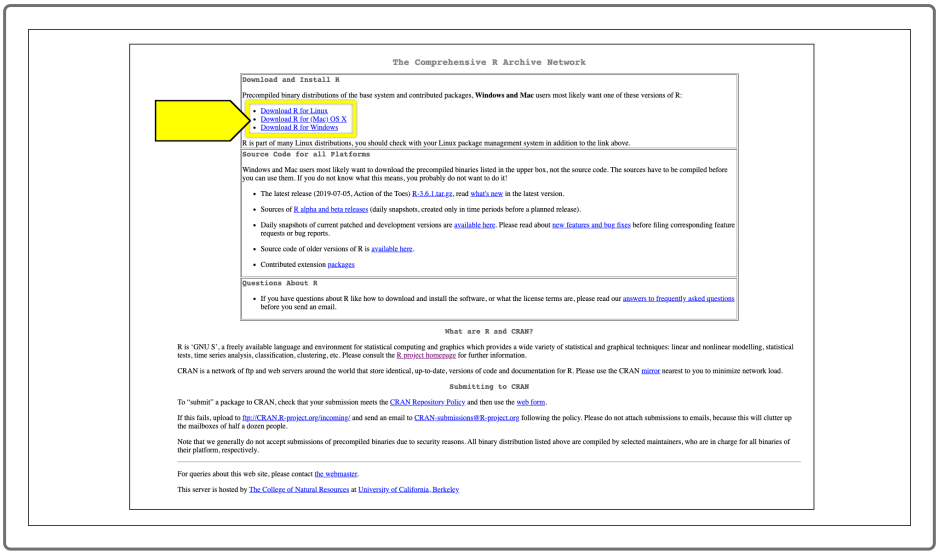
The Comprehensive R Archive Network is available at the following URLs, please choose a location close to you. Some statistics on the status of the mirrors can be found here: main page, windows release, windows old release.

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/	CSIRO
https://mirror.aarnet.edu.au/pub/CRAN/	AARNET
https://cran.ms.unimelb.edu.au/	School of Mathematics and Statistics, University of Melbourne
https://cran.curtin.edu.au/	Curtin University of Technology
Austria	
https://cran.wu.ac.at/	Wirtschaftsuniversität Wien
Belgium	
https://www.freestatistics.org/cran/	Patrick Wessa
https://lib.ugent.be/CRAN/	Ghent University Library
Brazil	
https://nbcgib.uesc.br/mirrors/cran/	Computational Biology Center at Universidade Estadual de Santa Cruz
https://cran-r.c3sl.ufpr.br/	Universidade Federal do Parana
https://cran.fiocruz.br/	Oswaldo Cruz Foundation, Rio de Janeiro
https://vps.fmvz.usp.br/CRAN/	University of Sao Paulo, Sao Paulo
https://brieger.esalq.usp.br/CRAN/	University of Sao Paulo, Piracicaba
Bulgaria	
https://ftp.uni-sofia.bg/CRAN/	Sofia University
Canada	
https://mirror.its.sfu.ca/mirror/CRAN/	Simon Fraser University, Burnaby
https://muug.ca/mirror/cran/	Manitoba Unix User Group
https://mirror.its.dal.ca/cran/	Dalhousie University, Halifax
http://cran.utstat.utoronto.ca/	University of Toronto
Chile	
https://cran.dcc.uchile.cl/	Departamento de Ciencias de la Computación, Universidad de Chile
https://cran.dme.ufro.cl/	Departamento de Matemática y Estadística, Universidad de La Frontera
China	
https://mirrors.tuna.tsinghua.edu.cn/CRAN/	TUNA Team, Tsinghua University
https://mirrors.ustc.edu.cn/CRAN/	University of Science and Technology of China

South Africa		
	http://r.adu.org.za/	University of Cape Town
	http://cran.mirror.ac.za/	TENET, Johannesburg
Spain		
	https://cran.rediris.es/	Spanish National Research Network, Madrid
Sweden		
	https://ftp.acc.umu.se/mirror/CRAN/	Academic Computer Club, Umeå University
Switzerland		
	https://stat.ethz.ch/CRAN/	ETH Zürich
Taiwan		
	https://ftp.yzu.edu.tw/CRAN/	Department of Computer Science and Engineering, Yuan Ze University
	http://cran.csie.ntu.edu.tw/	National Taiwan University, Taipei
Thailand		
	http://mirrors.psu.ac.th/pub/cran/	Prince of Songkla University, Hatyai
Turkey		
	https://cran.pau.edu.tr/	Pamukkale University, Denizli
	https://cran.ncc.metu.edu.tr/	Middle East Technical University Northern Cyprus Campus, Mersin
UK		
	https://www.stats.bris.ac.uk/R/	University of Bristol
	https://cran.ma.imperial.ac.uk/	Imperial College London
USA		
	https://cran.cnr.berkeley.edu/	University of California, Berkeley, CA
	https://mirror.las.iastate.edu/CRAN/	Iowa State University, Ames, IA
	https://ftp.ussg.iu.edu/CRAN/	Indiana University
	https://rweb.crmda.ku.edu/cran/	University of Kansas, Lawrence, KS
	https://cran.mtu.edu/	Michigan Technological University, Houghton, MI
	https://repo.miserver.it.umich.edu/cran/	MBNI, University of Michigan, Ann Arbor, MI
	http://cran.wustl.edu/	Washington University, St. Louis, MO
	http://archive.linux.duke.edu/cran/	Duke University, Durham, NC
	https://cran.case.edu/	Case Western Reserve University, Cleveland, OH
	https://ftp.osuosl.org/pub/cran/	Oregon State University
	http://lib.stat.cmu.edu/R/CRAN/	Statlib, Carnegie Mellon University, Pittsburgh, PA
	http://cran.mirrors.hoobly.com/	Hoobly Classifieds, Pittsburgh, PA
	https://mirrors.nics.utk.edu/cran/	National Institute for Computational Sciences, Oak Ridge, TN
	https://cran.revolutionanalytics.com/	Revolution Analytics, Dallas, TX
Uruguay		
	https://espejito.fder.edu.uy/cran/	Facultad de Derecho, Universidad de la República

After you navigate to a CRAN mirror site, you'll reach a self-explanatory download page. Follow the appropriate download link for either your macOS or Windows environment:



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 (2019-07-05, Action of the Toes) R-3.6.1.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.

What are R and CRAN?

R is "GNU S", a freely available language and environment for statistical computing and graphics which provides a wide variety of statistical and graphical techniques: linear and nonlinear modelling, statistical tests, time series analysis, classification, clustering, etc. Please consult the R project homepage for further information.

CRAN is a network of ftp and web servers around the world that store identical, up-to-date, versions of code and documentation for R. Please use the CRAN mirror nearest to you to minimize network load.

Submitting to CRAN

To "submit" a package to CRAN, check that your submission meets the CRAN Repository Policy and then use the web form.

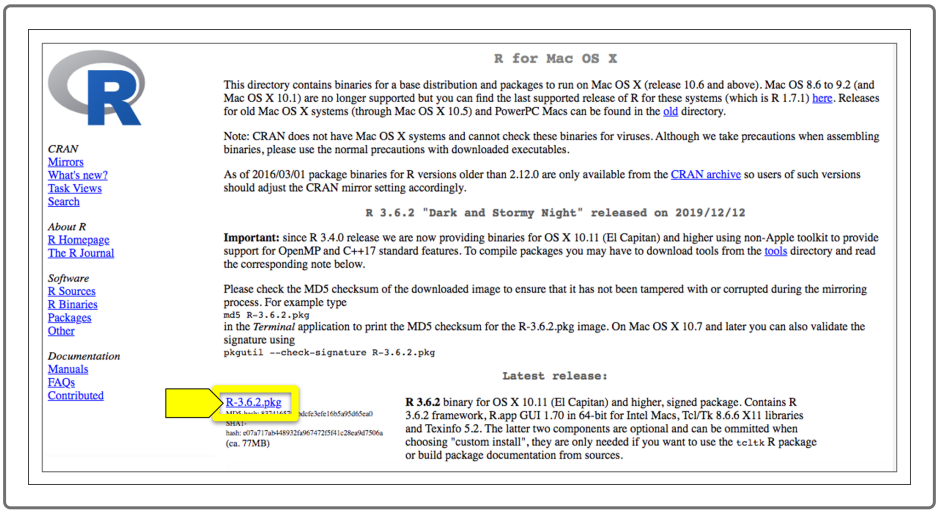
If this fails, upload to ftp://CRAN.R-project.org/incoming/ and send an email to CRAN-submissions@R-project.org following the policy. Please do not attach submissions to emails, because this will clutter up the mailboxes of half a dozen people.

Note that we generally do not accept submissions of precompiled binaries due to security reasons. All binary distribution listed above are compiled by selected maintainers, who are in charge for all binaries of their platform, respectively.

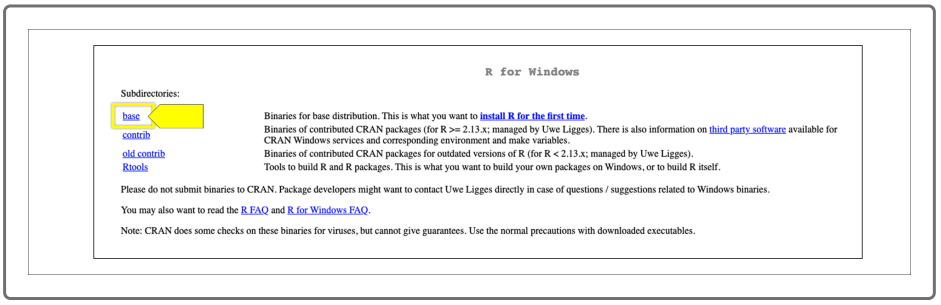
For queries about this web site, please contact the webmaster.

This server is hosted by The College of Natural Resources at University of California, Berkeley

For those running a macOS environment, select the latest release `.pkg` file (the link is midpage):



For those running a Windows environment, click on the base installer link. On the next page, click the "Download R for Windows" link to start downloading the installer:



Once your installer files are successfully downloaded (`.pkg` for macOS or `.exe` for Windows), run them just as you would for any other installation program. Use all default install options and, if prompted, check all boxes to allow all R components to install.

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