

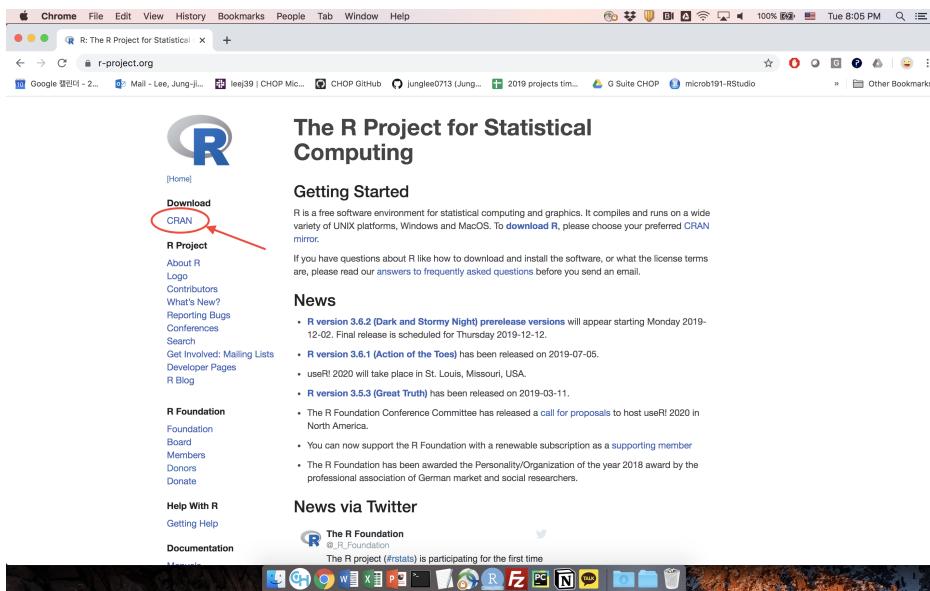
R/RStudio Installation Guide

Jung-Jin Lee

December 10, 2019

Part I: Install R

1. Using your web browser, go to <http://www.r-project.org/>
2. Click on **CRAN** under **Download** on left (see below)



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 Mac OS. 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 3.6.2 (Dark and Stormy Night) pre-release versions will appear starting Monday 2019-12-02. Final release is scheduled for Thursday 2019-12-12.
- R version 3.6.1 (Action of the Toes) has been released on 2019-07-05.
- useR! 2020 will take place in St. Louis, Missouri, USA.
- R version 3.5.3 (Great Truth) has been released on 2019-03-11.

The R Foundation Conference Committee has released a call for proposals to host useR! 2020 in North America.

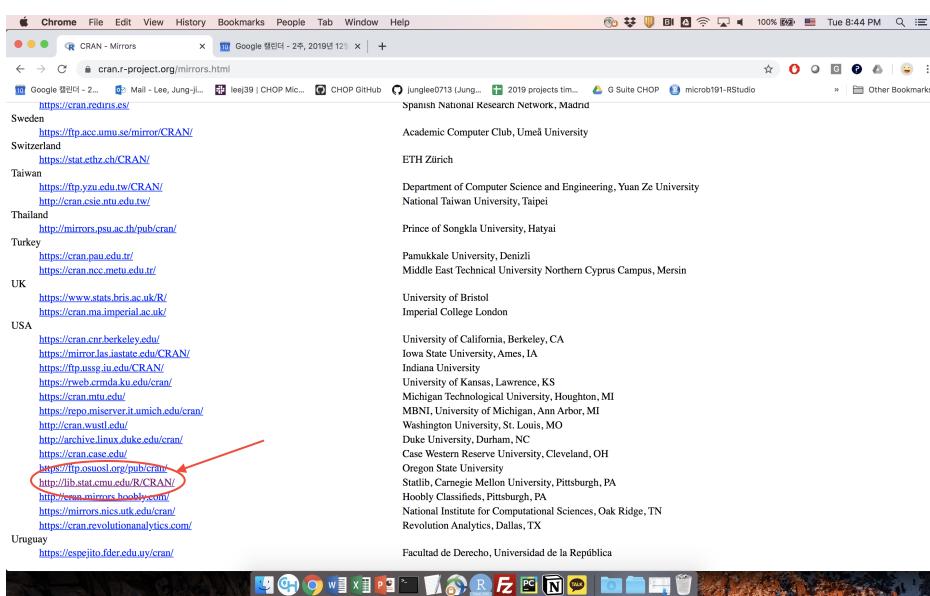
You can now support the R Foundation with a renewable subscription as a supporting member.

The R Foundation has been awarded the Personality/Organization of the year 2018 award by the professional association of German market and social researchers.

News via Twitter

The R Foundation (@_R_Foundation) The R project (@rstats) is participating for the first time

3. Choose any mirror site (usually closer sites tend to be better), e.g. <http://lib.stat.cmu.edu/R/CRAN/> (see below)



CRAN - Mirrors

https://cran.r-project.org/mirrors.html

Google 설정 - 2... Mail - Lee, Jung-jil... leejj91 | CHOP Mic... CHOP GitHub junglee0713 (Jung... 2019 projects tim... G Suite CHOP microbj91-RStudio Other Bookmarks

Spanish National Research Network, Madrid

Sweden https://cran.rstudio.se/

Switzerland https://ftp.acc.umu.se/mirror/CRAN/

Taiwan https://stat.ethz.ch/CRAN/

Thailand https://ftp.yzu.edu.tw/CRAN/

Turkey https://cran.rstudio.com/

UK https://www.stats.bris.ac.uk/R/

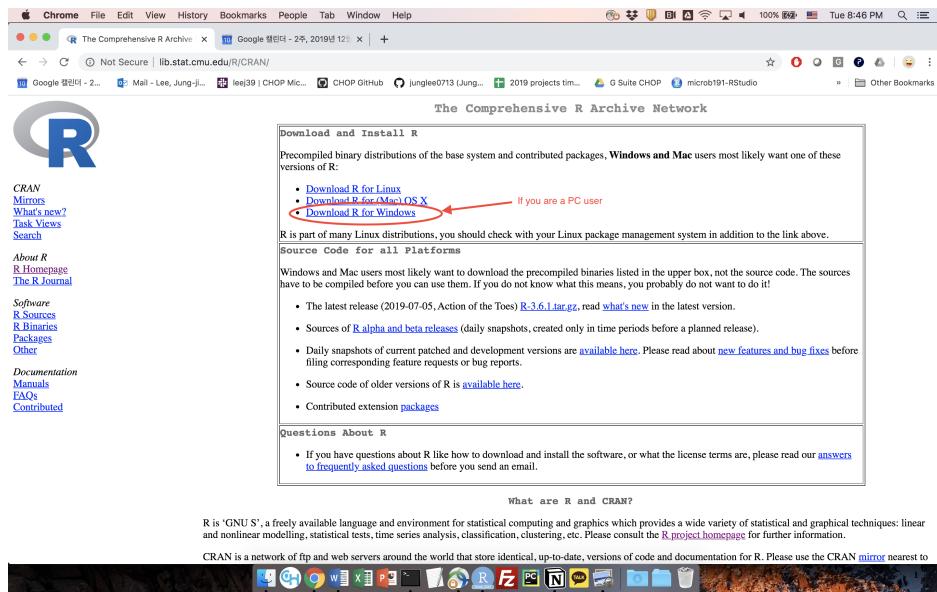
USA https://cran.ma.imperial.ac.uk/

University of California, Berkeley, CA
Iowa State University, Ames, IA
Indiana University
University of Kansas, Lawrence, KS
Michigan Technological University, Houghton, MI
MBNI, University of Michigan, Ann Arbor, MI
Washington University, St. Louis, MO
Duke University, Durham, NC
Case Western Reserve University, Cleveland, OH
Oregon State University
Statlib, Carnegie Mellon University, Pittsburgh, PA
Hoobly Classifieds, Pittsburgh, PA
National Institute for Computational Sciences, Oak Ridge, TN
Revolution Analytics, Dallas, TX

Uruguay https://cspojito.fder.edu.uy/cran/

Facultad de Derecho, Universidad de la Repùblica

4. Choose a package corresponding to your operating system (see below). R supports Windows, Mac, and Linux. Follow instructions and install R.



Part II: Install RStudio (Do it only after Part I is complete)

1. Using your web browser, go to <https://rstudio.com/products/rstudio/download/>
2. Choose free RStudio desktop version (see below)

The screenshot shows the RStudio download page. It compares four versions: RStudio Desktop (Free), RStudio Desktop (Commercial License \$995/year), RStudio Server (Free), and RStudio Server Pro (\$4,975/year). The RStudio Desktop (Free) section is highlighted with a red arrow pointing to the 'DOWNLOAD' button. Below this, a comparison chart lists features like Integrated Tools for R, Priority Support, Access via Web Browser, Enterprise Security, Project Sharing, Manage Multiple R Sessions & Versions, Admin Dashboard, and Load Balancing, each marked with a green checkmark.

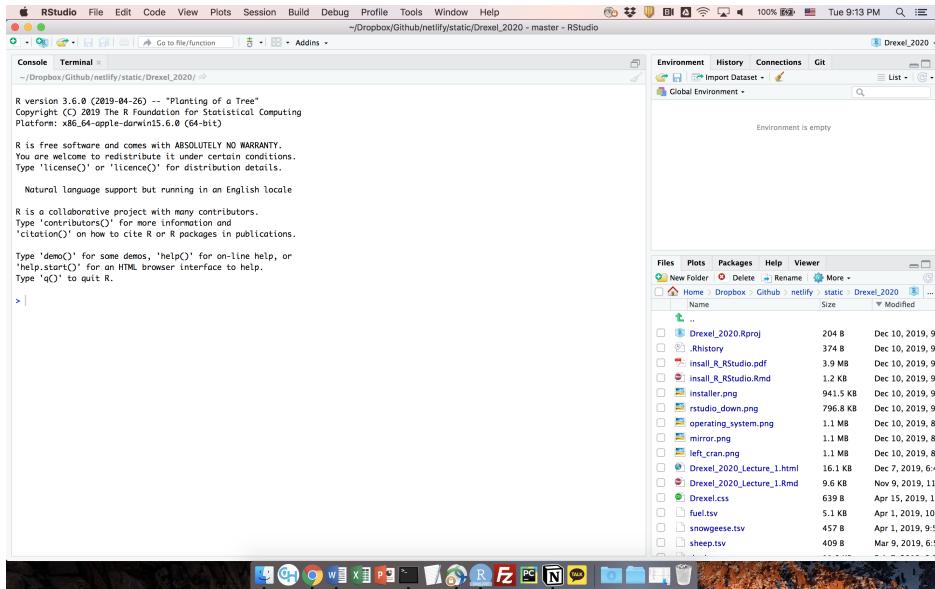
3. Choose an installer for your operating system and follow instructions (see below)

The screenshot shows the RStudio download page for specific operating systems. A red arrow points to the Windows 10/8/7 link, which is labeled 'RStudio-1.2.5019.exe'. Below this link, a note says 'If you are a PC user'. The table lists download links for various OSes:

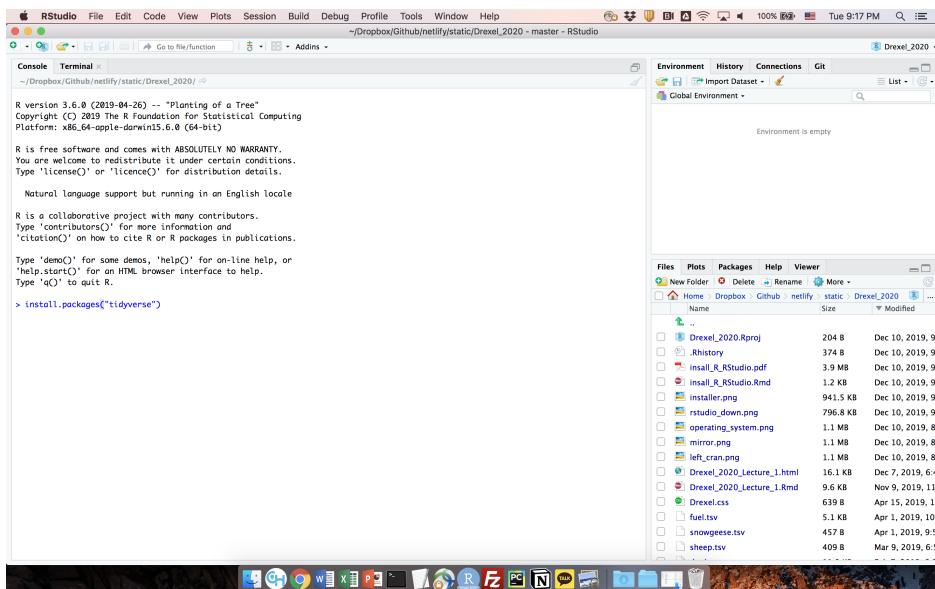
| OS | Download | Size | SHA-256 |
|---------------------|--|-----------|----------|
| Windows 10/8/7 | RStudio-1.2.5019.exe | 149.82 MB | 7c6a943c |
| macOS 10.12+ | RStudio-1.2.5019.dmg | 126.88 MB | 00cf7d64 |
| Ubuntu 14/Debian 8 | rstudio-1.2.5019-amd64.deb | 96.93 MB | a0f43062 |
| Ubuntu 16 | rstudio-1.2.5019-amd64.deb | 104.91 MB | 24fd3d67 |
| Ubuntu 18/Debian 10 | rstudio-1.2.5019-amd64.deb | 106.04 MB | e819293c |
| Fedor 19/Red Hat 7 | rstdio-1.2.5019-x86_64.rpm | 120.26 MB | c4fb97ce |
| Fedor 28/Red Hat 8 | rstdio-1.2.5019-x86_64.rpm | 120.89 MB | 06ed9379 |
| Debian 9 | rstdio-1.2.5019-amd64.deb | 106.39 MB | cd8a2413 |
| SLES/OpenSUSE 12 | rstdio-1.2.5019-x86_64.rpm | 99.04 MB | 87190f72 |
| OpenSUSE 15 | rstdio-1.2.5019-x86_64.rpm | 107.09 MB | e4929a16 |

Part III: Install essential packages

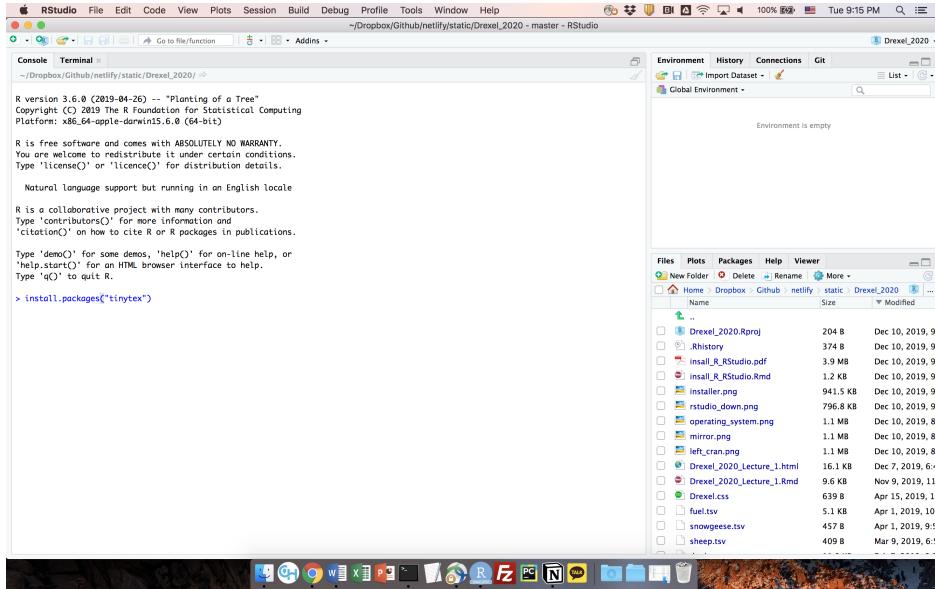
1. Open RStudio – you should be able to see something similar to the following:



2. Install a package called `tidyverse` by typing `install.packages("tidyverse")` and hitting enter (see below). This may take a while.



3. Install a package called `tinytex` by typing `install.packages("tinytex")` and hitting enter (see below. Your screen may look different). This also may take a while.



R version 3.6.0 (2019-04-26) -- "Planting of a Tree"
Copyright (C) 2019 The R Foundation for Statistical Computing
Platform: x86_64-apple-darwin15.6.0 (64-bit)

R is free software and comes with ABSOLUTELY NO WARRANTY.
You are welcome to redistribute it under certain conditions.
Type "license()" or "licence()" for distribution details.

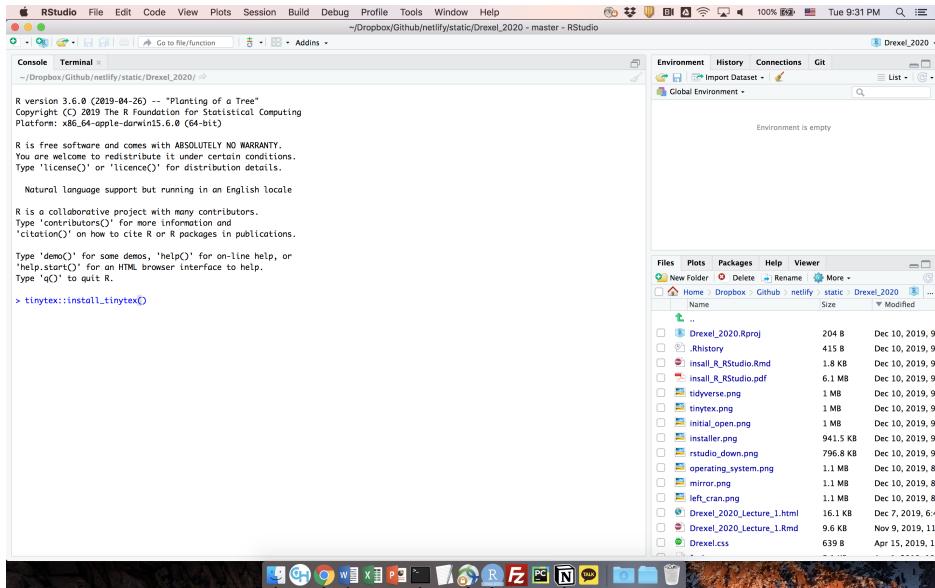
Natural language support but running in an English locale

R is a collaborative project with many contributors.
Type 'contributors()' for more information and
'citation()' on how to cite R or R packages in publications.

Type 'demo()' for some demos, 'help()' for on-line help, or
'help.start()' for an HTML browser interface to help.
Type 'q()' to quit R.

```
> install.packages("tinytex")
```

4. Type `tinytex::install_tinytex()` (note the double colons :: between `tinytex` and `install_tinytex()`) and hit enter (see below. Your screen may look different)



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```
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```