Bite Size R

Installation

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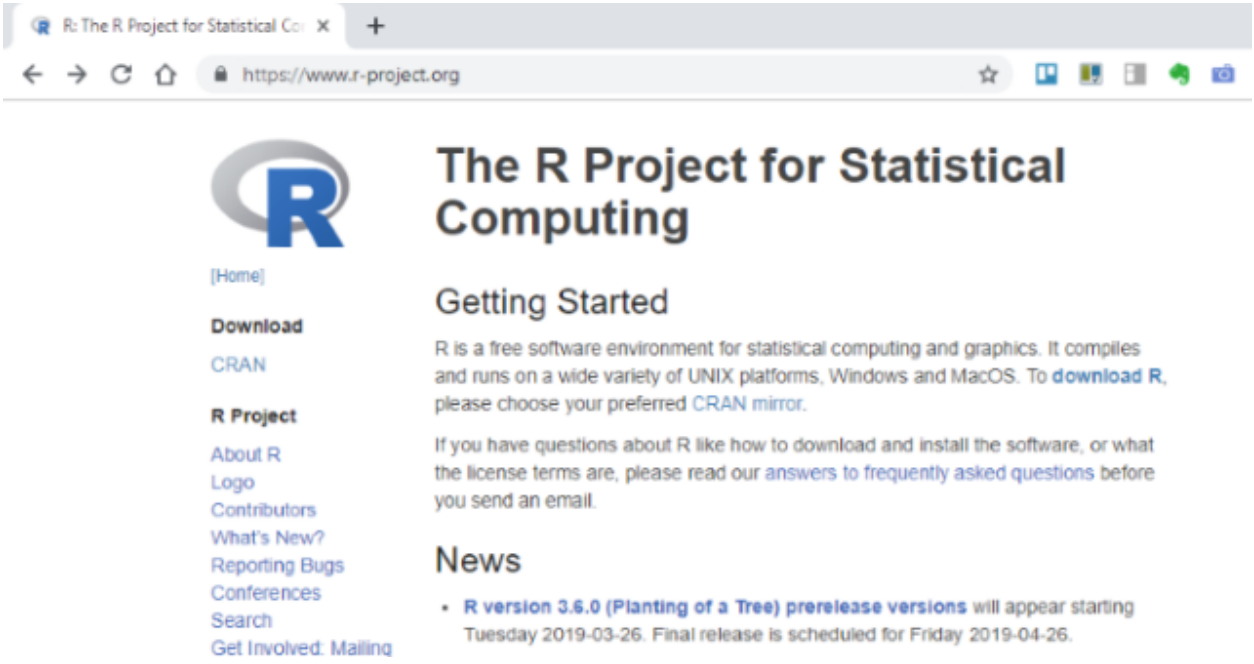
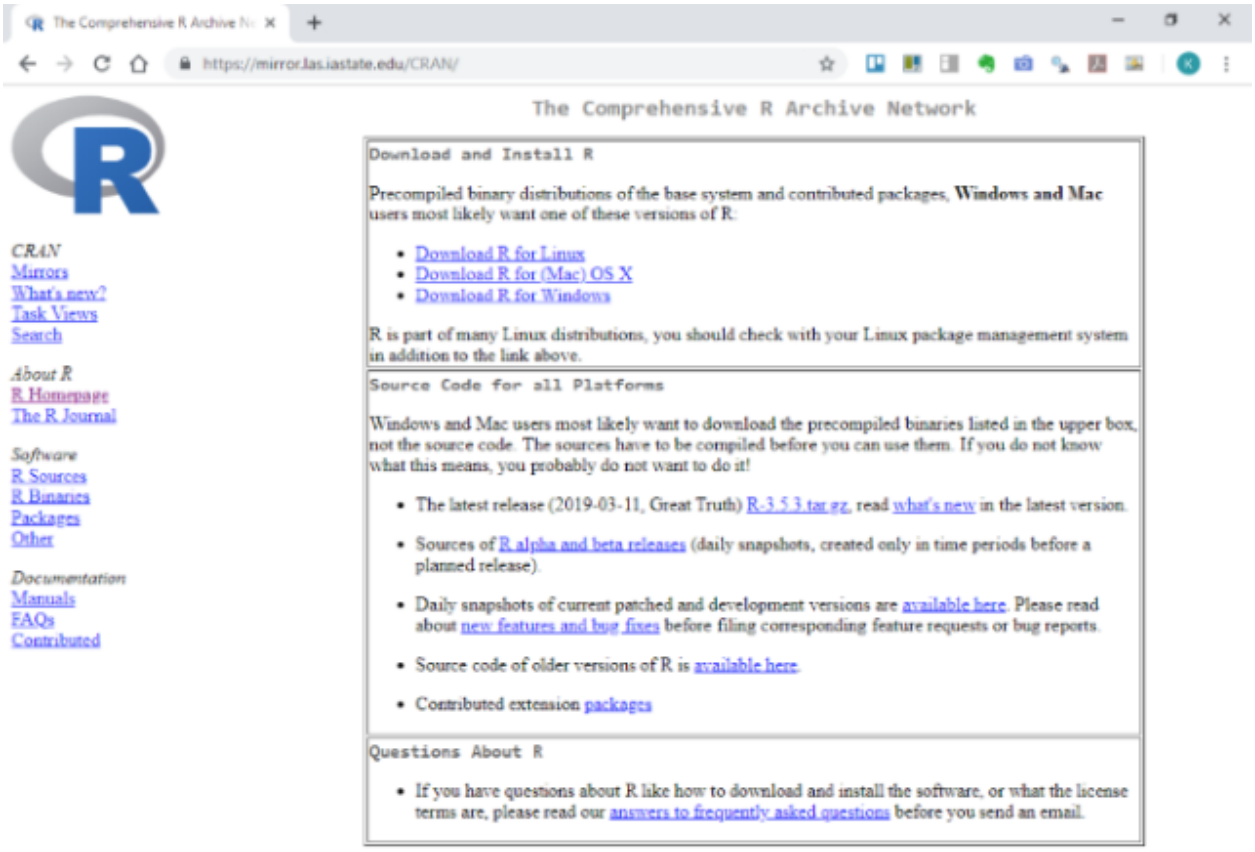
Welcome to Bite Size R. This snack will show you the software and resources you will need to install to follow along with this series. There are two programs that you will need: R, and R studio. Depending on your security settings, you may or may not need to be an administrator to install these programs. First, let's get R installed.

Install R

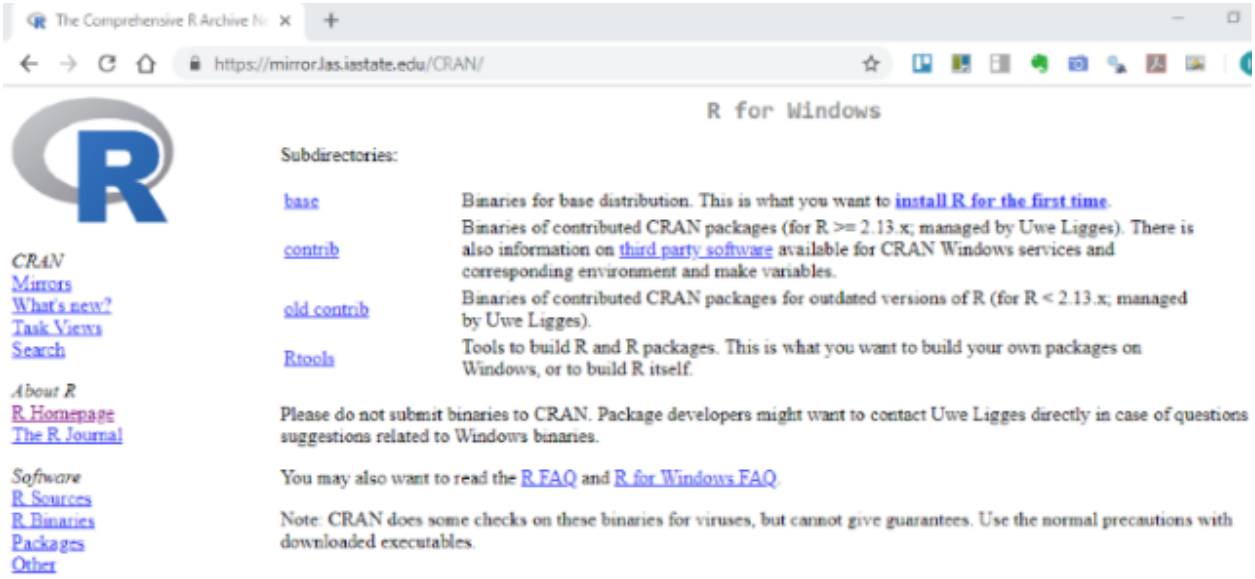
R can be downloaded from The R Project at https://www.r-project.org.



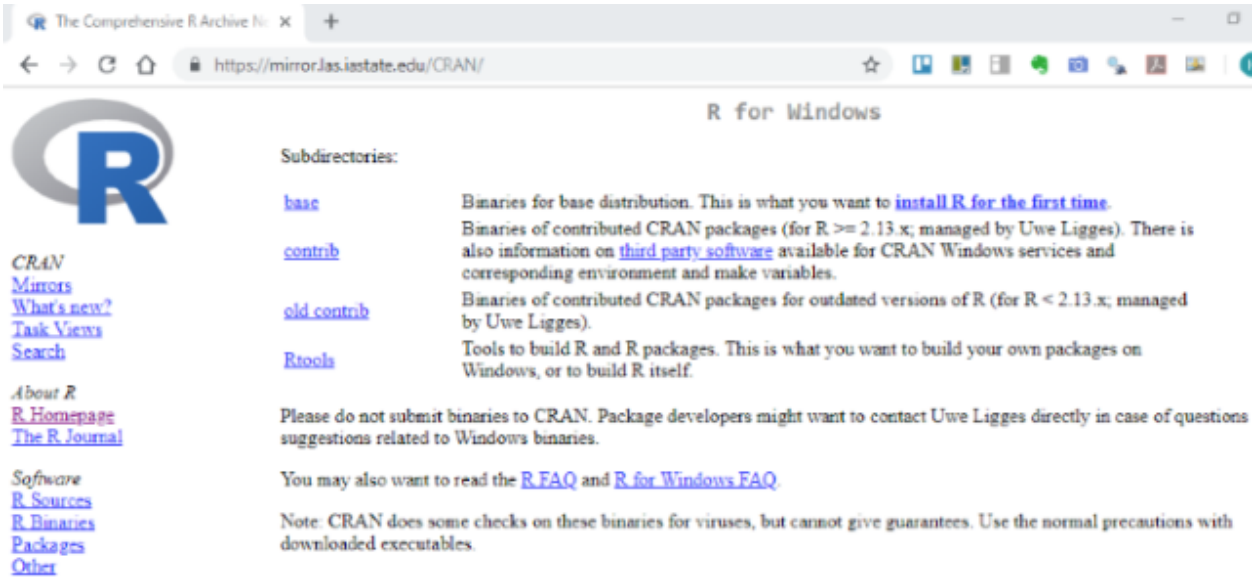
Click on "Download R" and choose an appropiate mirror site.



There are installations for Linux, Apple, and Windows. As I'm a Windows user, the videos in this series will be shot on a Window's system. However, there is, for all intents and purposes, no difference between operating systems. Please use whichever is appropiate for you. Click on either "Base" or "Install for the first time".



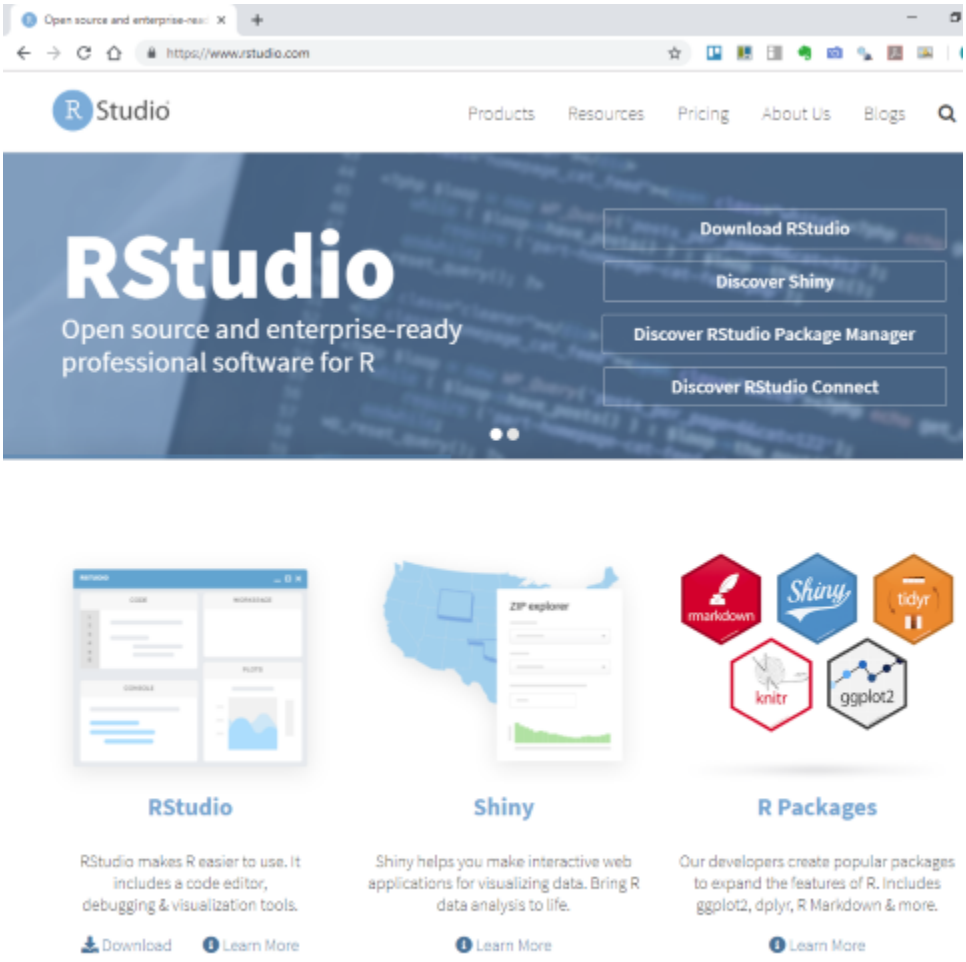
Download and install the latest version of R - at the time of production it was version 3.5.3.



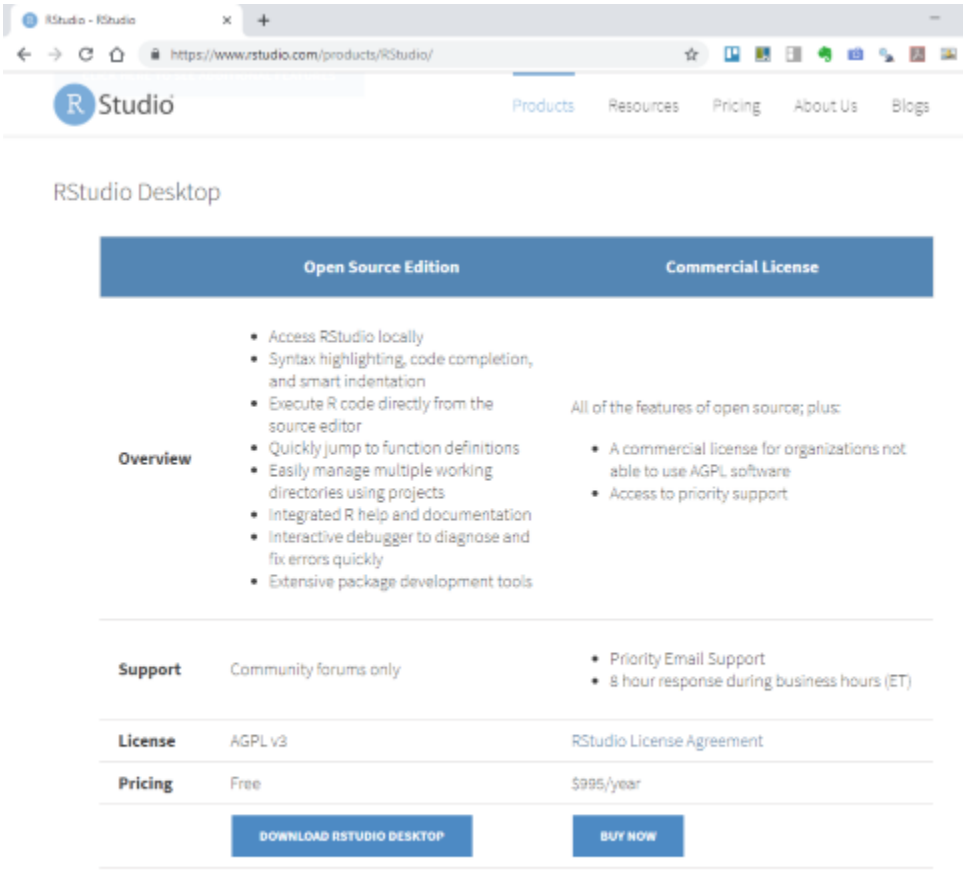
Install RStudio

While it's possible to write and run R code in notepad or even R itself, it is a much more enjoyable experience to use an integrated development environment (IDE). Using an IDE provides all kinds of benefits and will increase your productivity greatly. Far and away the most popular R IDE at this time is RStudio and that is what we will work in throughout this series.

RStudio can be downloaded from the RStudio website at https://www.rstudio.com.



Click on the "Download R Studio" button and then download and install the Community Version of RStudio Desktop.



RStudio desktop is provided free for use under the AGPL V3 license. This should be sufficient for most folks and the Commercial version is not needed for the materials we will work with, but if this license is not applicable for you, please investigate RStudio Pro Desktop from RStudio.

There is also a server version of RStudio that can be installed and run on a server allowing users to log in using a web browser and work in an IDE environment almost identical to the desktop version. In some situations, this can be advantageous as it does not require each user to install software on their local machines.

RStudio has also recently launched Rstudio.cloud at http://www.rstudio.cloud which allows a person to use RStudio hosted on RStudio's cloud servers. Currently it is possible to use this service (after registering) for free - however that may be subject to change as that version evolves.

Wrap Up

That's it for this time. Go ahead and install R and RStudio and you'll be ready to continue on in this series. We will load additional componants (called packages) for R, but that will occur from withing RStudio and should require no elivated permissions on your computer to accomplish. Happy snacking!