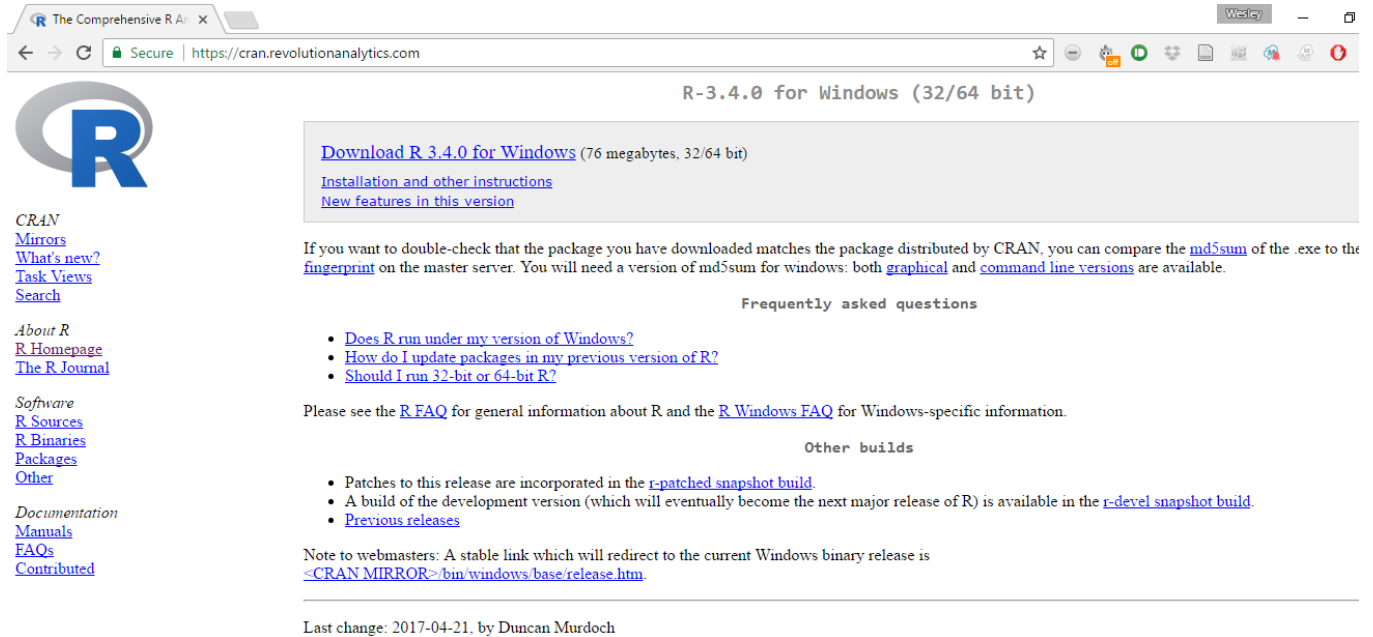


## 17.2: Downloading R and RStudio

In this section we will provide instructions to downloading R and RStudio. RStudio is an integrated development environment (IDE) that makes R a bit more user-friendly. In the class associated with this text, RStudio will primarily be used; however, it should be noted other IDEs exist for R. Additionally, R can be used without the aid of an IDE should you decide to do so.

First, to download R, we need to go to the R project website repository as mentioned before. This can be found here. This website has many references relevant to R Users. To download R, go to the [CRAN](https://cran.r-project.org/). It is recommended that individuals choose the mirror that is nearest their actual location. (For the purposes of this class, we therefore recommend the Revolution Analytics mirror in Dallas, though really any Mirror will do just fine.) Once here, you will want to click the link that says “Download R” for your relevant operating system (Mac, Windows, or Linux). On the next page, you will click the link that says “install R for the first time.” This will open a page that should look something like this:

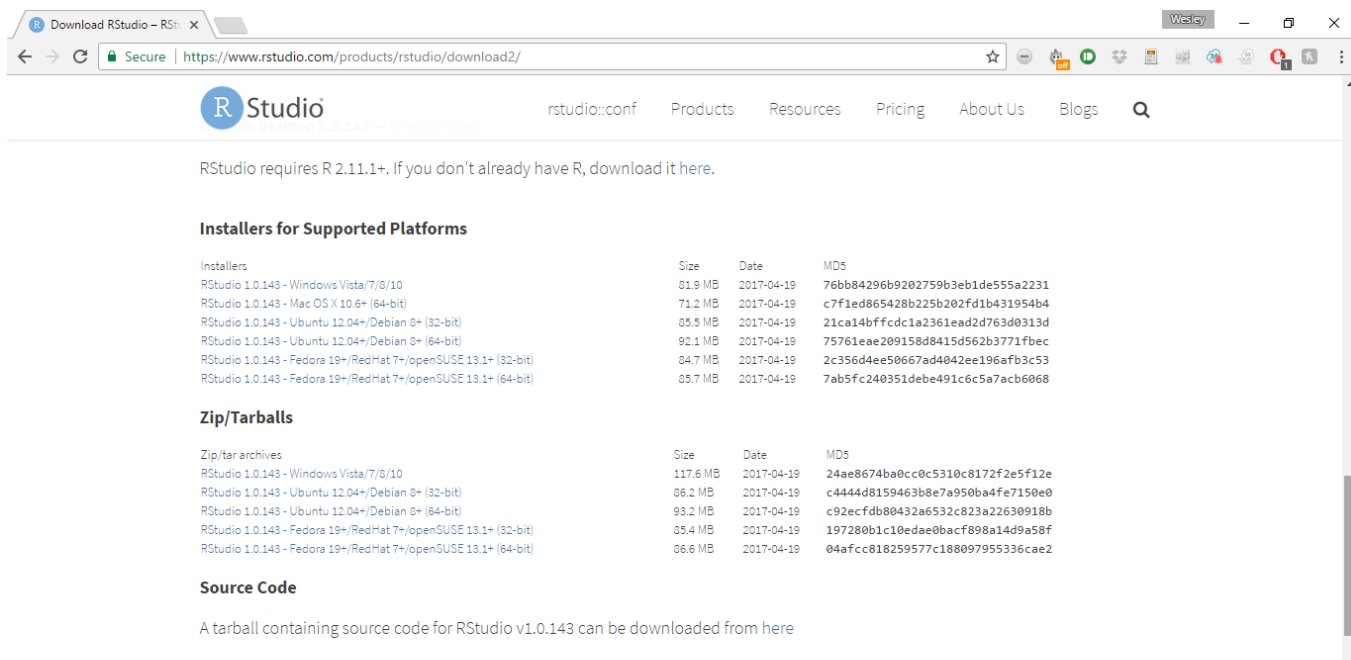


The screenshot shows a web browser window with the address bar displaying <https://cran.revolutionanalytics.com>. The page title is "R-3.4.0 for Windows (32/64 bit)". The main content area features a large "Download R 3.4.0 for Windows (76 megabytes, 32/64 bit)" link. Below this, there are links for "Installation and other instructions" and "New features in this version". A paragraph explains how to verify the download using md5sum. A "Frequently asked questions" section lists three questions: "Does R run under my version of Windows?", "How do I update packages in my previous version of R?", and "Should I run 32-bit or 64-bit R?". A note directs users to the "R FAQ" and "R Windows FAQ". An "Other builds" section lists patches and development versions. A note to webmasters provides a stable link to the current Windows binary release. The page footer indicates the last change was on 2017-04-21 by Duncan Murdoch.

Figure 17.2.1: R Download Page

Here you will click the “Download R” link at the top of the page. This should download the Installation Wizard for R. Once this has begun, you will click through the Wizard. Unless you have particular advanced preferences, the default settings will work and are preferred.

At this point, you now have R downloaded on your device and can be pretty much ready to go. However, as stated previously, we are also going to show you how to download RStudio. You will find the site to download RStudio here.



Download RStudio - RStudio

Secure | <https://www.rstudio.com/products/rstudio/download2/>

RStudio Desktop 1.0.143 - Release Notes

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RStudio requires R 2.11.1+. If you don't already have R, download it [here](#).

### Installers for Supported Platforms

Installers	Size	Date	MD5
RStudio 1.0.143 - Windows Vista/7/8/10	81.9 MB	2017-04-19	76bb84296b9202759b3eb1de555a2231
RStudio 1.0.143 - Mac OS X 10.6+ (64-bit)	71.2 MB	2017-04-19	c7f1ed865428b225b202fd1b431954b4
RStudio 1.0.143 - Ubuntu 12.04+/Debian 8+ (32-bit)	85.5 MB	2017-04-19	21ca14bffc1a2361ead2d763d0313d
RStudio 1.0.143 - Ubuntu 12.04+/Debian 8+ (64-bit)	92.1 MB	2017-04-19	75761eae209158d8415d562b3771fbec
RStudio 1.0.143 - Fedora 19+/RedHat 7+/openSUSE 13.1+ (32-bit)	84.7 MB	2017-04-19	2c356d4ee50667ad4042ee196afb3c53
RStudio 1.0.143 - Fedora 19+/RedHat 7+/openSUSE 13.1+ (64-bit)	85.7 MB	2017-04-19	7ab5fc240351debe491c6c5a7acb6068

### Zip/Tarballs

Zip/tar archives	Size	Date	MD5
RStudio 1.0.143 - Windows Vista/7/8/10	117.6 MB	2017-04-19	24ae8674ba0cc0c5310c8172f2e5f12e
RStudio 1.0.143 - Ubuntu 12.04+/Debian 8+ (32-bit)	86.2 MB	2017-04-19	c4444d8159463b8e7a950ba4fe7150e9
RStudio 1.0.143 - Ubuntu 12.04+/Debian 8+ (64-bit)	93.2 MB	2017-04-19	c92ecfdb80432a6532c823a22630918b
RStudio 1.0.143 - Fedora 19+/RedHat 7+/openSUSE 13.1+ (32-bit)	85.4 MB	2017-04-19	197280b1c10edae0bacf898a14d9a58f
RStudio 1.0.143 - Fedora 19+/RedHat 7+/openSUSE 13.1+ (64-bit)	86.6 MB	2017-04-19	04afcc818259577c188097955336cae2

### Source Code

A tarball containing source code for RStudio v1.0.143 can be downloaded from [here](#)

Figure 17.2.2: Bottom of RStudio Download Page

Once here, you will scroll down until it looks like the screen in 17.2. Then you will want to use the links under the installer subtitle for your relevant operating system. You do not need to use the links under the zip/tarball header. As with R, you should then simply follow the default locations and settings in the Installer of RStudio. As we said before, RStudio simply makes the use of R a little easier and more user-friendly. It includes some of the functionality that often makes other statistical softwares preferred for initially teaching students statistics. Once you have R and RStudio downloaded, you are prepared to dive right in. However, before we do that we want to introduce you to some common terminology in the fields of programming—as well as statistics—that may be helpful in your understanding of R

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