Earl F Glynn
UMKC Center for Health Insights
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The follow instructions are for Windows 7, but should be mostly correct for Windows 8, too.

Install R

Start at CRAN: http://cran.r-project.org/

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

Click on link: Download R for Windows

R for Windows

Subdirectories:

base

Binaries for base distribution (managed by Duncan Murdoch). This is what you want to install R for the first time.

Click on link to "install R for the first time".

R-3.1.1 for Windows (32/64 bit)

Download R 3.1.1 for Windows (54 megabytes, 32/64 bit)

Select "Download R 3.1.1 for Windows".

Save file on Desktop or other convenient location.



While not absolutely critical, if possible R's program installation and install all R packages as Windows administrator. Right click on the icon above and select "Run as administrator".



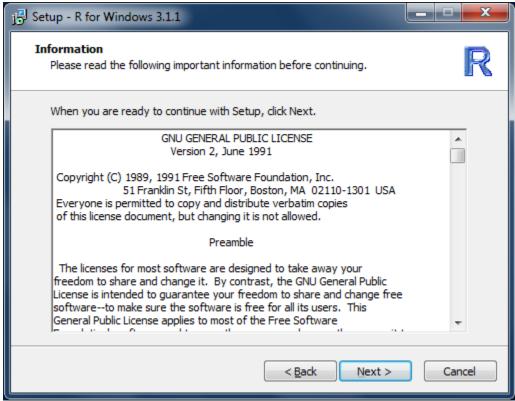
Yes



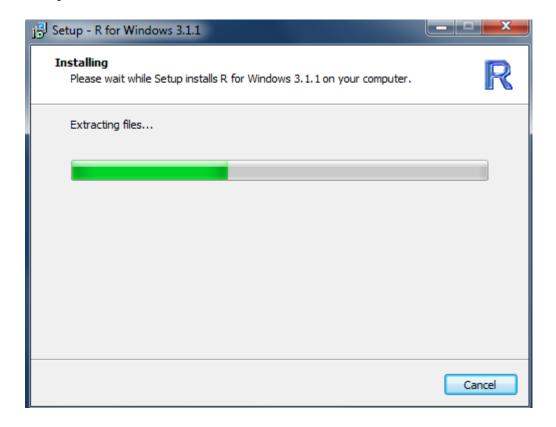
English



Next



Accept defaults on next several screens: Next, Next, Next, Next, Next, Next





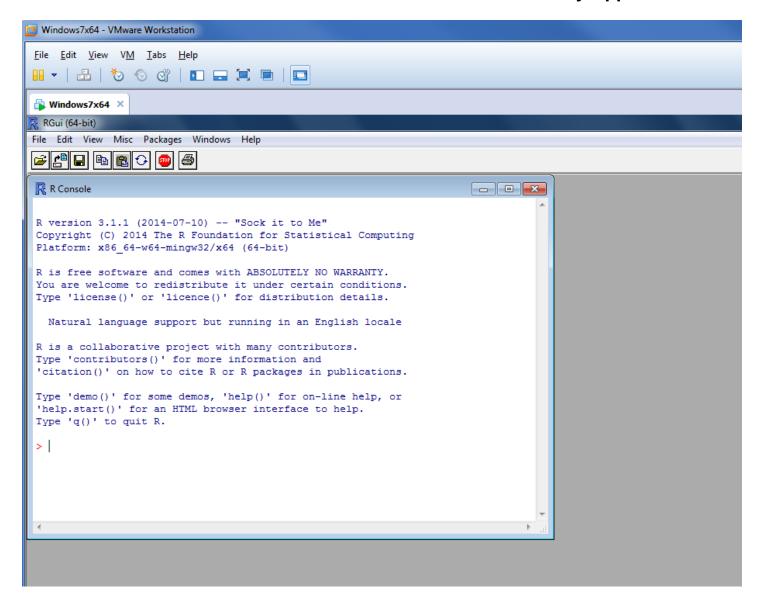
Finish

Icons on desktop:



On 64-bit computers, normally run the Rx64 application.

Double click on the R application icon to start the program.



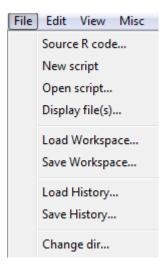
View default working directory by entering:

```
> getwd()
[1] "C:/Users/Windows7/Documents"
```

If using a Windows login, you may see this:

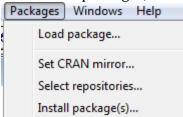
```
> getwd()
[1] "C:/Users/glynne/Documents"
```

Select "File" and "Change dir ..." to specify a different working directoy:

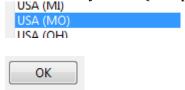


Install R Packages

To install R packages, select "Packages" and "Install package(x)..."



Select nearby CRAN (Comprehensive R Archive Network), e.g.,



Let's install the RColorBrewer package.



> utils:::menuInstallPkgs()

--- Please select a CRAN mirror for use in this session --- trying URL 'http://cran.wustl.edu/bin/windows/contrib/3.1/RColorBrewer_1.0-5.zip' Content type 'application/zip' length 25396 bytes (24 Kb) opened URL

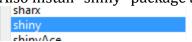
downloaded 24 Kb

package 'RColorBrewer' successfully unpacked and MD5 sums checked

The downloaded binary packages are in

C:\Users\Windows7\AppData\Local\Temp\RtmpIhvApn\downloaded_packages

Also install "shiny" package and its dependencies:



> utils:::menuInstallPkgs()

also installing the dependencies 'Rcpp', 'bitops', 'httpuv', 'caTools', 'RJSONIO', 'xtable', 'digest', 'htmltools'

. . .

package 'htmltools' successfully unpacked and MD5 sums checked package 'shiny' successfully unpacked and MD5 sums checked

The downloaded binary packages are in

Install R Studio

Start at http://www.rstudio.com/



Powerful IDE for R

RStudio IDE is a powerful and productive user interface for R. It's free and open source, and works great on Windows, Mac, and Linux.

Learn More >

Learn More



Desktop

Run RStudio on your desktop

RStudio Desktop >

RStudio Desktop

Open Source Edition

DOWNLOAD RSTUDIO DESKTOP

Installers for ALL Platforms

Installers

RStudio 0.98.1060 - Windows XP/Vista/7/8

Download file to convenient folder:

Size Date MD5

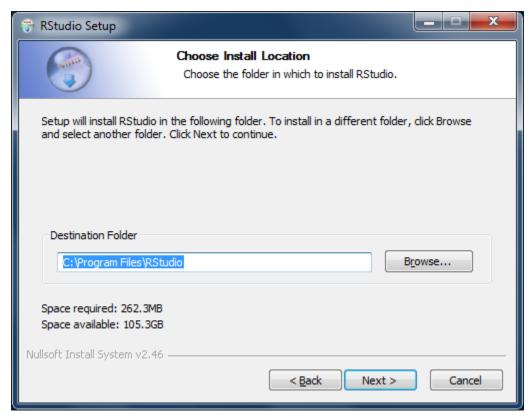
44.8 MB 2014-09-16 dfc6ef30bfb0f0c65bd176a96318adfb



Run the installer:



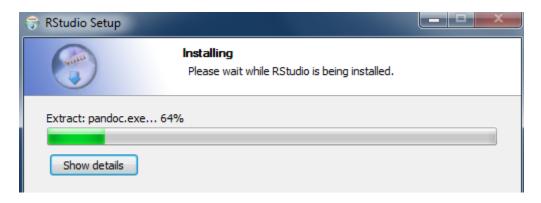
Next



Next



Install

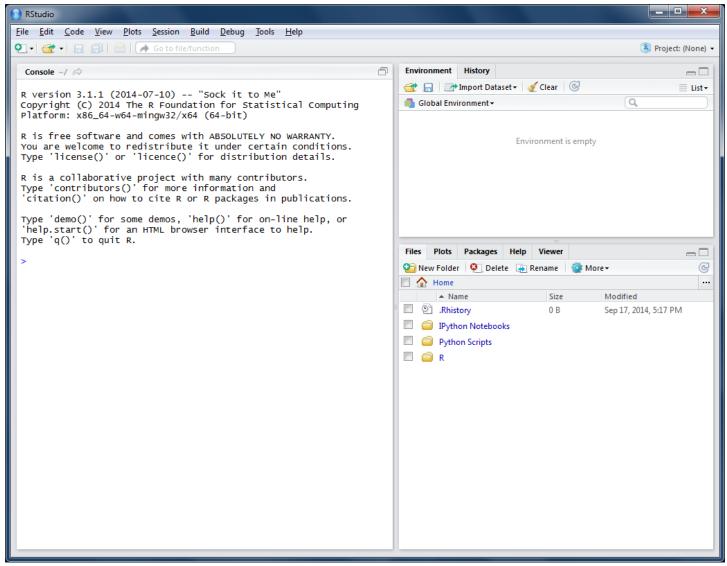




Finish







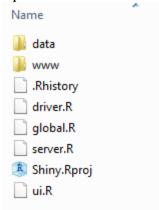
Close RStudio

Running Shiny Application

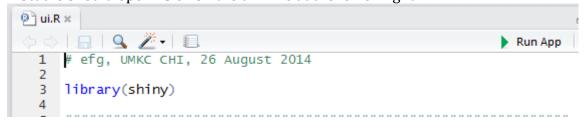
Copy folder with Shiny app to desktop. Let's call the folder "Shiny":



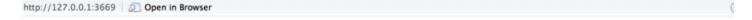
Open folder and click on Shiny. Rproj project file to start RStudio:



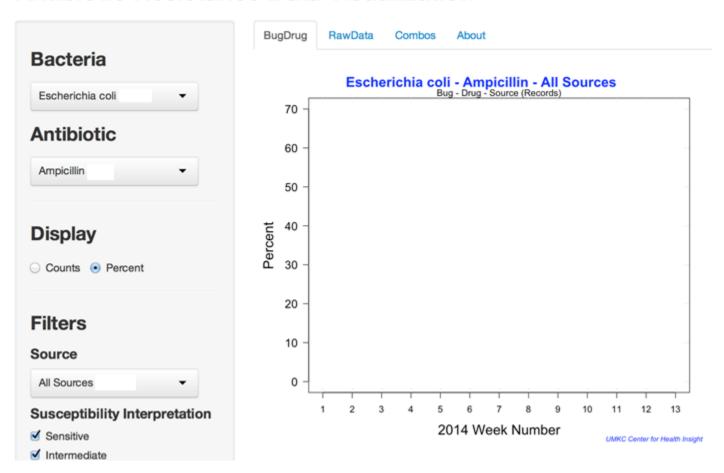
R Studio should open. Cick on the ui.R file at the lower right.



Press Run App



Antibiotic Resistance Data Visualization



To stop app, press escape back in the console window at the lower left in RStudio:

> shiny::runApp()
Loading required package: shiny
Listening on http://127.0.0.1:5461

RStudio can be closed normally now.

