

Installation of R and RStudio on Mac to Run a Shiny App

Earl F Glynn
UMKC Center for Health Insights
2 Sept 2014

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](#)

Click on link: Download R for (Mac) OS X

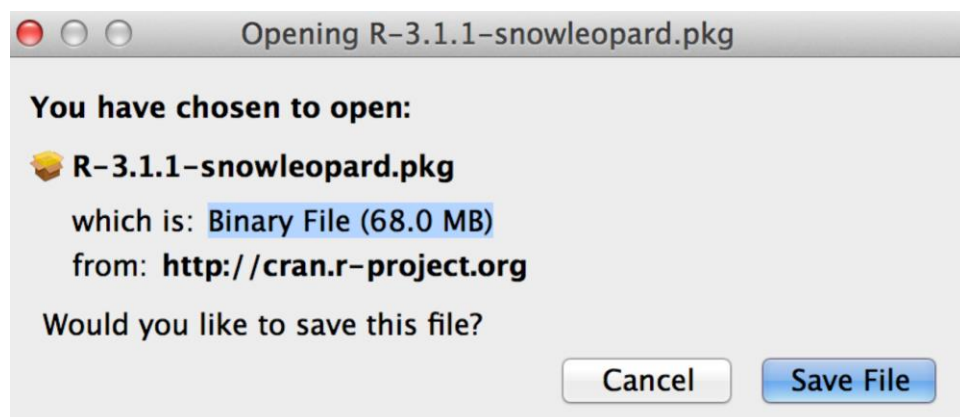
Files:

[R-3.1.1-snowleopard.pkg](#)

MD5-hash: 193314c5eeea63e8ceaaa700e3d00803
SHA1-hash: 28d551fe99e16706aa29115f16d1c5bfeb136da4
(ca. 68MB)

R 3.1.1 binary for Mac OS X 10.6 (Snow Leopard) and higher, signed package. Contains R 3.1.1 framework, R.app GUI 1.65 in 64-bit for Intel Macs. The above file is an Installer package which can be installed by double-clicking. Depending on your browser, you may need to press the control key and click on this link to download the file.

Click on link for R-3.1.1-snowleopard.pkg



Save File

Progress shown at upper right

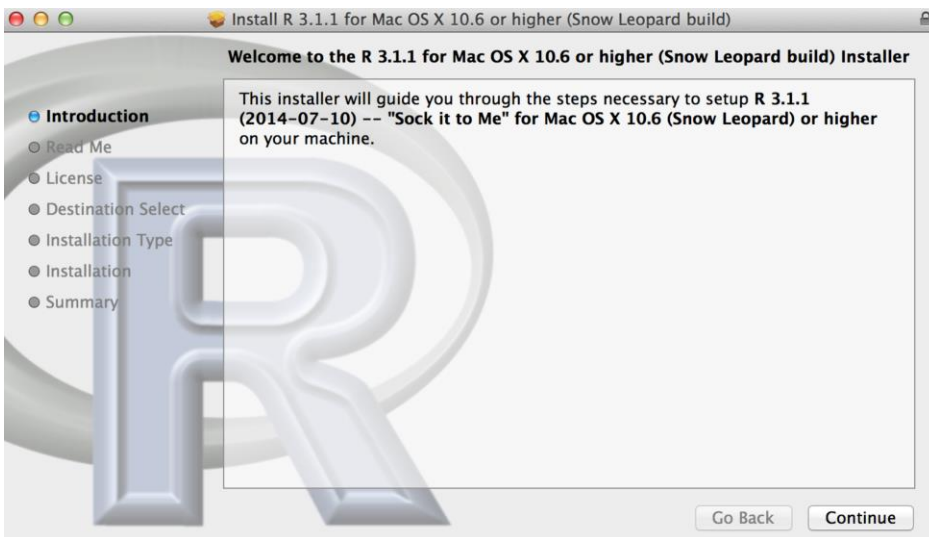


Installation of R and RStudio on Mac to Run a Shiny App

Look in Download folder



Double click on file to start installer.

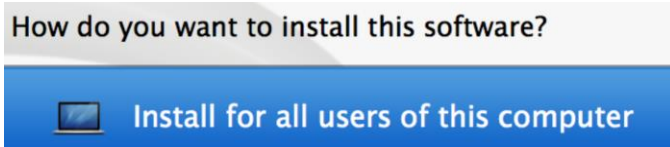


Continue

Installation of R and RStudio on Mac to Run a Shiny App



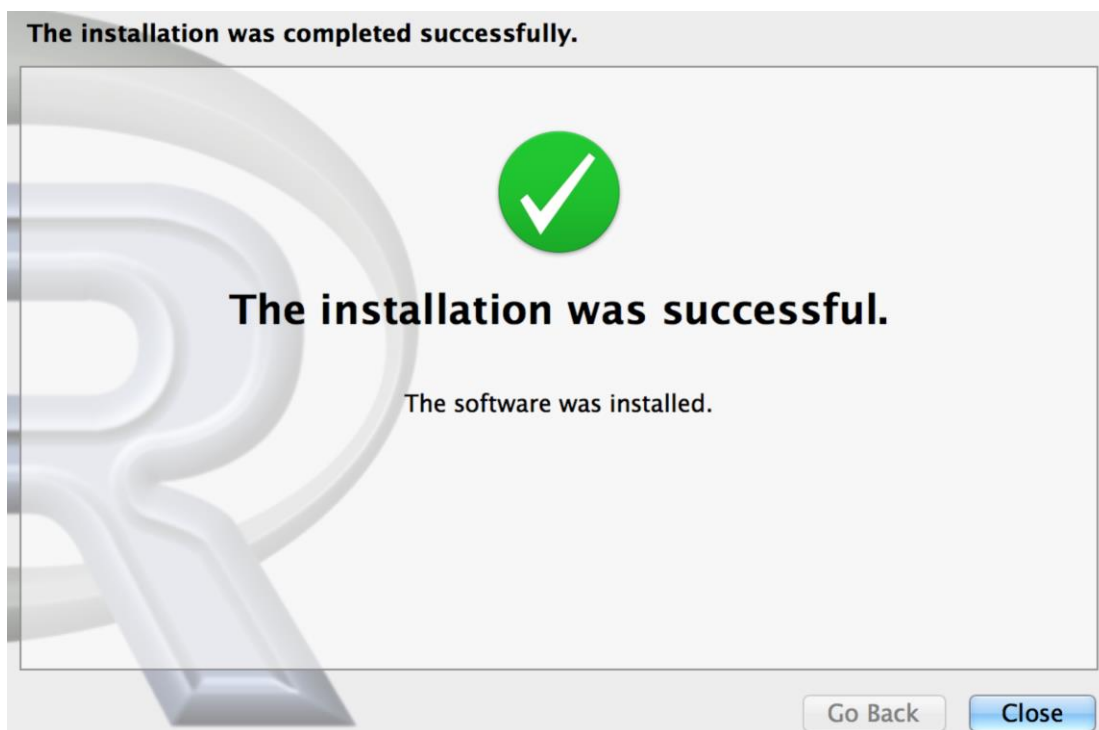
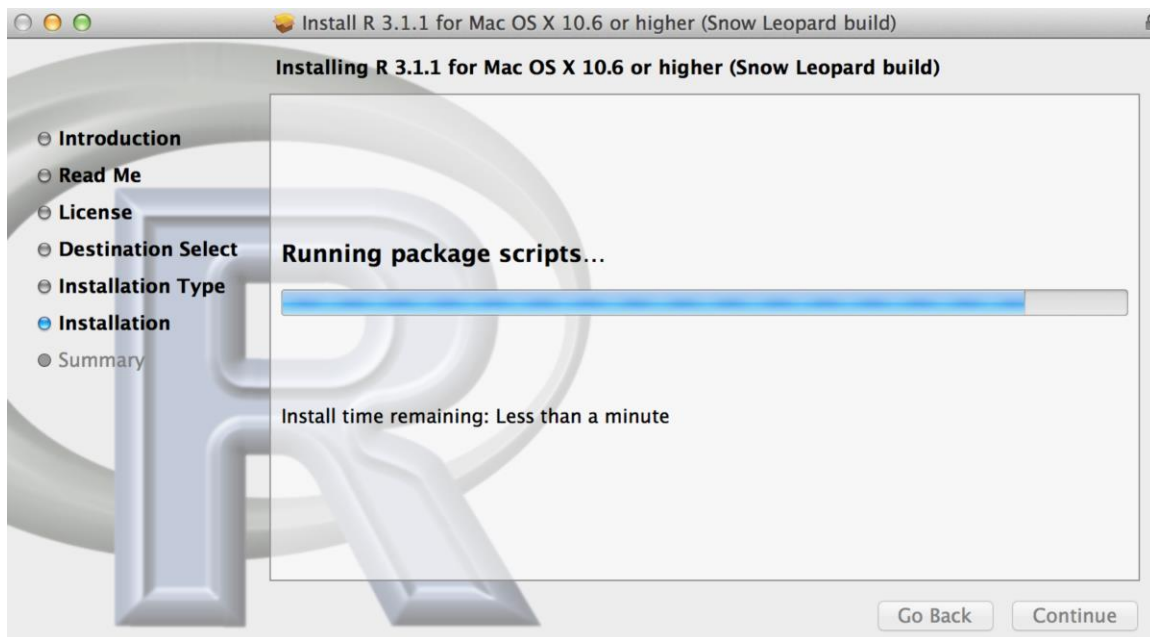
Continue, Continue, Agree



Continue, Install



Installation of R and RStudio on Mac to Run a Shiny App



Close

To run R, open Finder



Applications

Installation of R and RStudio on Mac to Run a Shiny App



Double click on R application icon



```
R version 3.1.1 (2014-07-10) -- "Sock it to Me"
Copyright (C) 2014 The R Foundation for Statistical Computing
Platform: x86_64-apple-darwin10.8.0 (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.
```

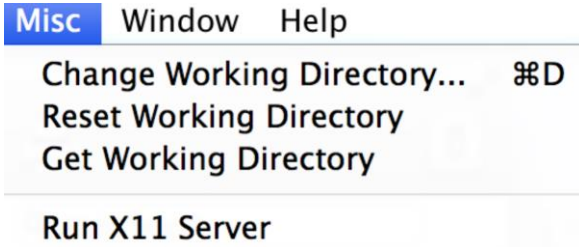
```
[R.app GUI 1.65 (6784) x86_64-apple-darwin10.8.0]
```

Default working directory

```
> getwd()
[1] "/Users/gilmoreac"
```

The *Misc* menu allows specifying a different working directory:

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Edit text file by clicking on this icon



Install R Packages

One way to install packages, e.g., RColorBrewer:

```
> install.packages("RColorBrewer")
--- Please select a CRAN mirror for use in this session ---
```

CRAN Mirror, usually I pick USA (MO):

USA (MO)

OK

```
trying URL 'http://cran.wustl.edu/bin/macosx/contrib/3.1/
RColorBrewer_1.0-5.tgz'
Content type 'application/x-gzip' length 22751 bytes (22 Kb)
opened URL
=====
downloaded 22 Kb
```

```
The downloaded binary packages are in
/var/folders/0s/2d7g9z014ss0ykf9c5lr_s7m0000gn/T//RtmpOUMP00/
downloaded_packages
```

Also install “shiny” package and its dependencies:

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```
> install.packages("shiny")
--- Please select a CRAN mirror for use in this session ---
also installing the dependencies 'Rcpp', 'bitops', 'httpuv', 'caTools',
'RJSONIO', 'xtable', 'digest', 'htmltools'

trying URL 'http://cran.wustl.edu/bin/macosx/contrib/3.1/Rcpp_0.11.2.tgz'
Content type 'application/x-gzip' length 2502842 bytes (2.4 Mb)
opened URL
=====
downloaded 2.4 Mb

...
trying URL 'http://cran.wustl.edu/bin/macosx/contrib/3.1/shiny_0.10.1.tgz'
Content type 'application/x-gzip' length 1376427 bytes (1.3 Mb)
opened URL
=====
downloaded 1.3 Mb
```

The downloaded binary packages are in
/var/folders/0s/2d7g9z014ss0ykf9c5lr_s7m0000gn/T//Rtmpgzrjpp/
downloaded_packages

Drag R from Applications folder to the Dock for quick access:

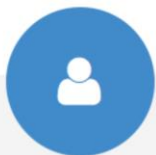


Installation of R and RStudio on Mac to Run a Shiny App

Install R Studio

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

Download RStudio

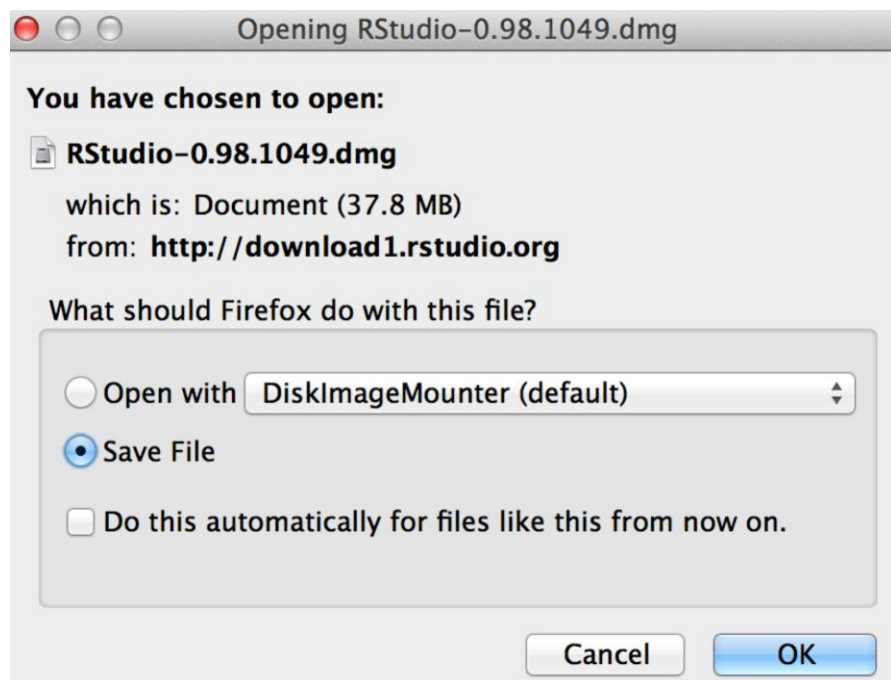


Desktop

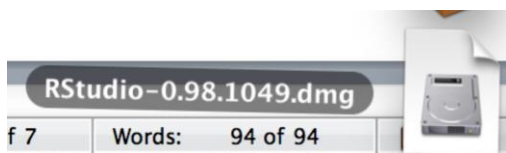
DOWNLOAD RSTUDIO DESKTOP

Installers for ALL Platforms

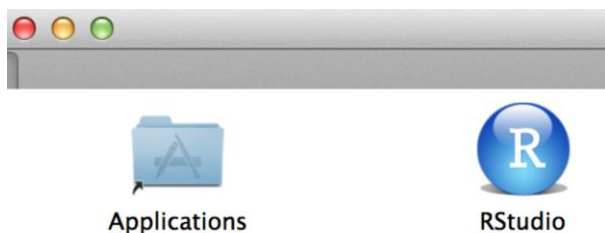
Installers	Size	Date	MD5
RStudio 0.98.1049 - Windows XP/Vista/7/8	48.2 MB	2014-09-02	30637a1ac08b61de198e471177ef82e8
RStudio 0.98.1049 - Mac OS X 10.6+ (64-bit)	37.8 MB	2014-09-02	5d387ba3ee6a9d5812c585d1b62d5573



Installation of R and RStudio on Mac to Run a Shiny App

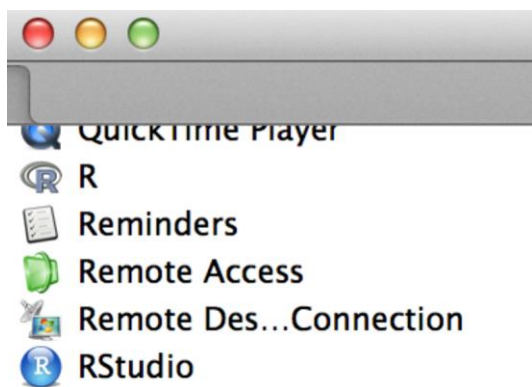


Click to open



Drag R to Applications folder

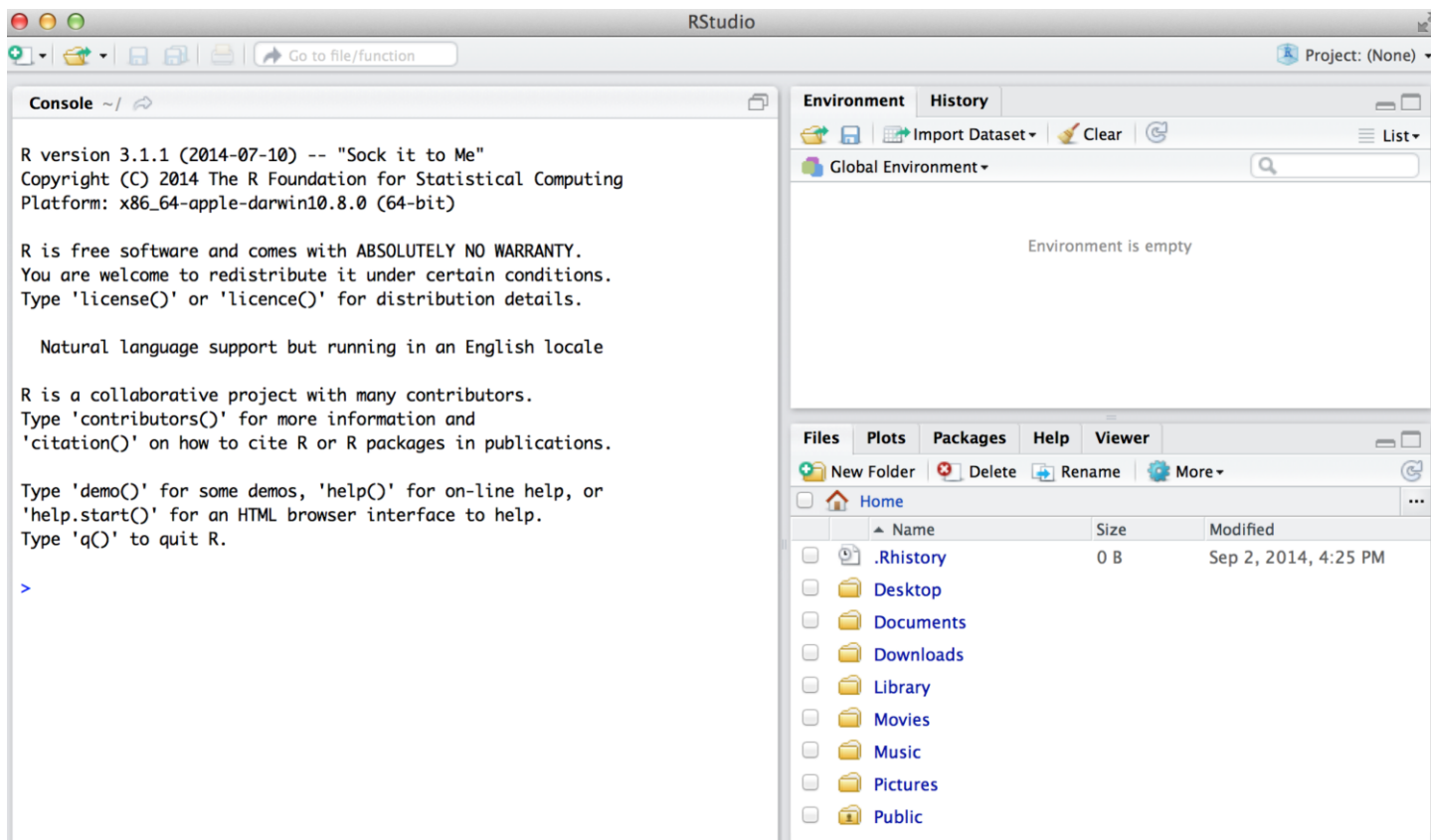
Open Applications folder



Click on RStudio to run it.



Installation of R and RStudio on Mac to Run a Shiny App



Drag RStudio to Dock for quick access:



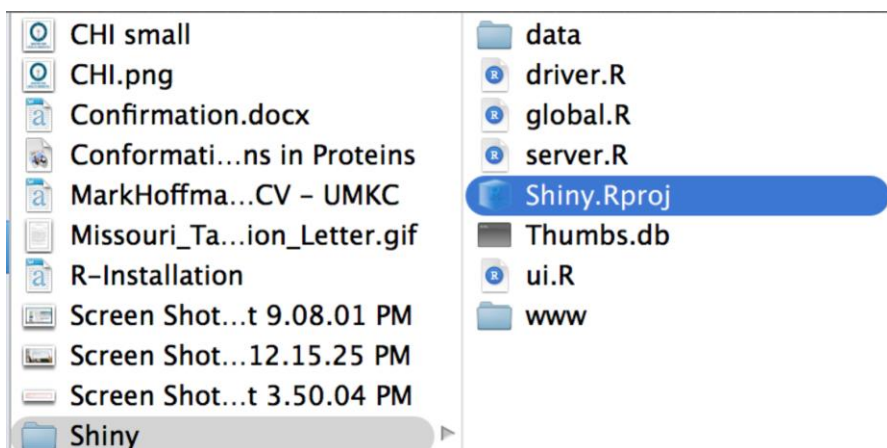
Installation of R and RStudio on Mac to Run a Shiny App

Running Shiny Application

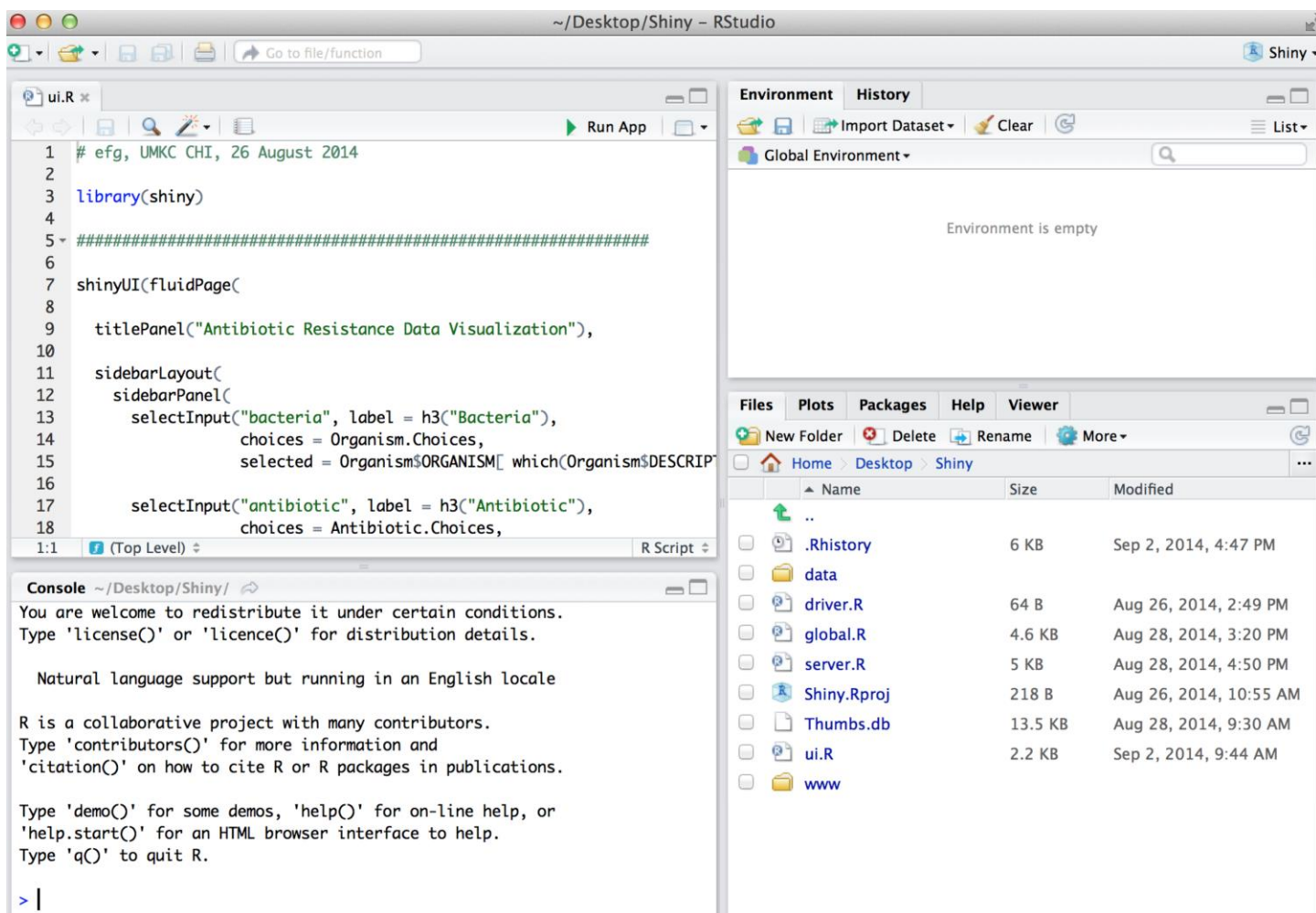
Copy folder with Shiny app to desktop. Let's call the folder "Shiny":



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

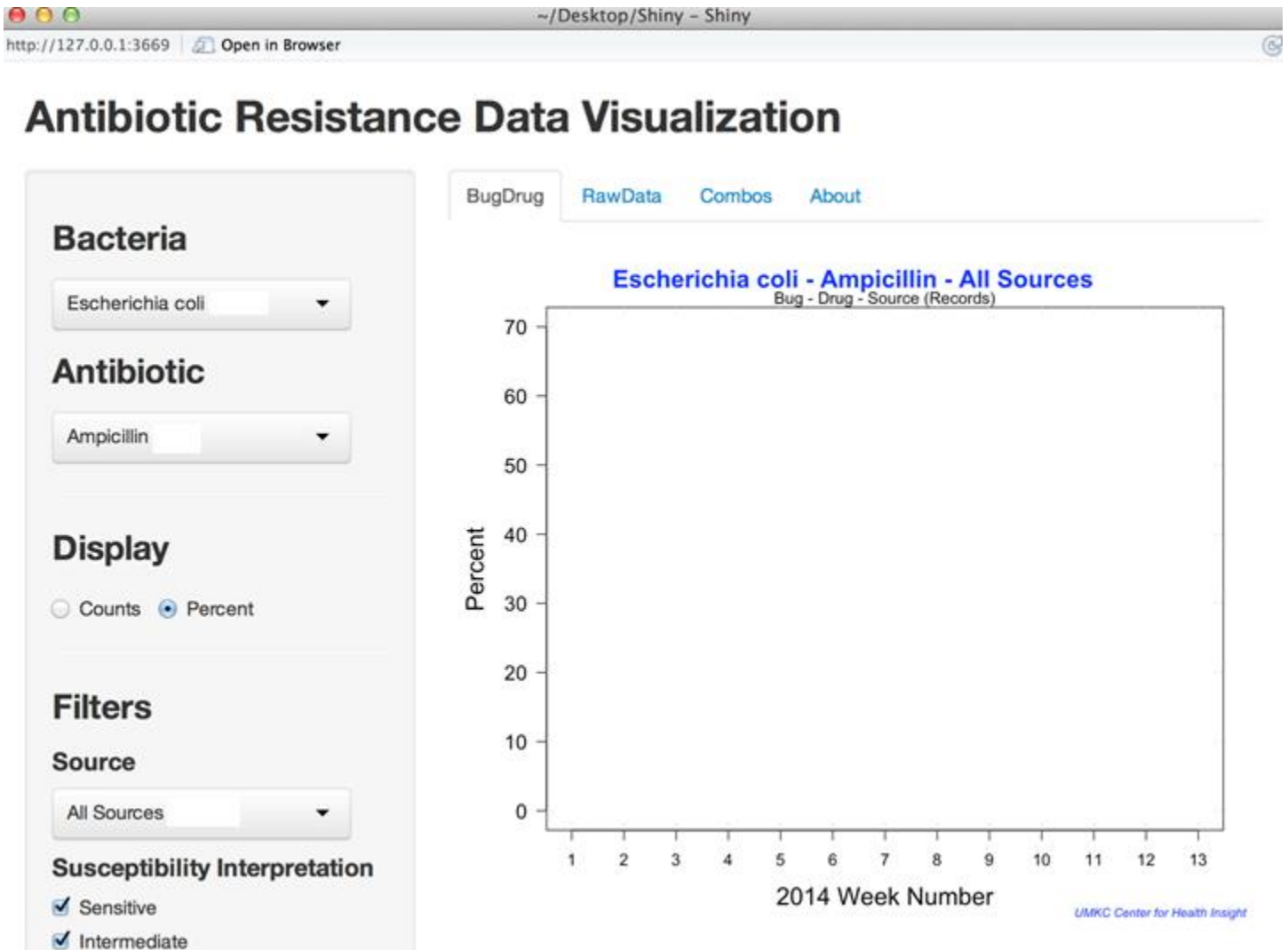


Installation of R and RStudio on Mac to Run a Shiny App



Press green “Run App” at center top:

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To stop app, press escape back in console:

```
> shiny::runApp()  
Loading required package: shiny  
  
Listening on http://127.0.0.1:3669  
  
> |
```

RStudio can be closed normally now.

