Download and Install RStudio for Mac

Susan Holmes (c)

What is RStudio?

RStudio is an environment and interface that makes working in R easier, it is free and you can download versions for any operating system, here we show you how to install it on a Mac.

We are going to use the RStudio Desktop tool.

Downloading the Mac Version of RStudio

Go to RStudio website and look for free RStudio Desktop file to download.

The file will download to your computer (it is even bigger than the R file, about 72MB).

Installing RStudio

Make sure you have more than 500MB of free space on your computer, the program will unpack itself and will need the space and then you'll need a little space to save your work.

The RStudio file is on your computer, probably in the Downloads folder (Downloads).

Now finder the file either by visualizing your Downloads in your browser on in your Finder window, then double-click on it to run the installation. It will say Opening…. then a Folder with a round R icon will appear next to a cylinder with Applications on it: drag the icon on the Applications icon, you have now installed RStudio and it will appear in your Applications folder.

To have the RStudio in your dock, open the **Applications** folder and drag the RStudio icon to your dock.

ATTN: RStudio needs R to be already installed on your computer to work.

Open and Check the RStudio program

Wait a minute until it fully initializes. You should see a window with three panes in it, in the main pane you will recognize the same R initialization messages we saw before when started R, that window is called the Console.

The first thing we need to do is make sure we do all our work in the right folder or directory.

The same series of lines will appear in the console window, with a prompt > appearing where you should enter any commands.

To see where we are, type

```
getwd()
```

```
[1] "/Users/susan/Documents"
```

You can change your working directory by typing:

```
setwd("/Users/susan/RWork")
```

To type getwd() again click on the upwards arrow twice, it will bring you to the command before last, type return; you should see
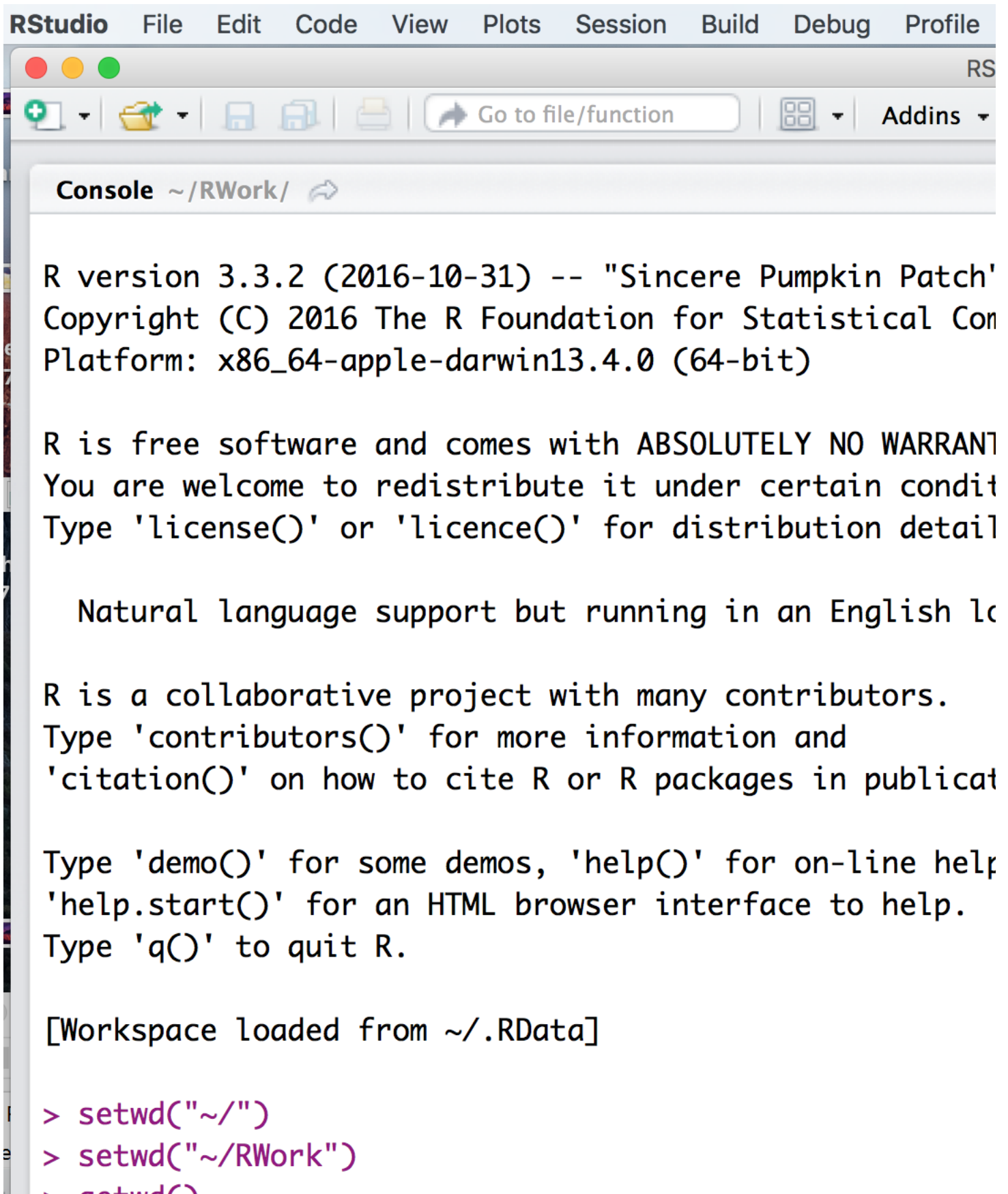
```
[1] "/Users/susan/Rwork"
```

with susan replaced by your name.

RStudio is now installed on your computer.

Testing RStudio

Double-click on the RStudio icon desktop shortcut, you will see something like this:

RStudio   File   Edit   Code   View   Plots   Session   Build   Debug   Profile

RS

Go to file/function | Addins

Console ~/RWork/

```
R version 3.3.2 (2016-10-31) -- "Sincere Pumpkin Patch"
Copyright (C) 2016 The R Foundation for Statistical Con
Platform: x86_64-apple-darwin13.4.0 (64-bit)


R is free software and comes with ABSOLUTELY NO WARRANT
You are welcome to redistribute it under certain condit
Type 'license()' or 'licence()' for distribution detail


    Natural language support but running in an English lo


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


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

[Workspace loaded from ~/.RData]

> setwd("~/")
> setwd("~/RWork")
```

```
> getwd()
[1] "/Users/susan/RWork"
>
```

RStudioW

The > character is called the prompt and is the place where we enter commands for the program to interpret. For instance if you type 25+26 followed by the return/enter key. You will see:

```
25+26
```

```
## [1] 51
```

Quitting R

To quit R you need to call the quit function by typing q followed by a left and right round brack q() and the return key.

```
q()
```

R will ask you if you want to save your work:

```
Save workspace image? [y/n/c]:
```

Answer *n* followed by the return key.

Question: Open RStudio again and use it to compute 36799 + 231. Now quit R again without saving the workspace.