

# Workshop: Introduction to R and R Shiny

This workshop is presented as an introduction to R and R Shiny, and includes a hands-on component. While you don't need to have a laptop, you will gain the most out of this if you participate in the exercises. Ideally, please install the following software and data before arriving.

## You will need:

- R
- RStudio
- Shiny package
- Sample data from Software Carpentry

If you already have R and RStudio installed, **please ensure that it is at least a 2016 version of R and RStudio.**

Instructions on how to download these are provided below.

## Software to Install

Where possible, please download before the workshop the following programs:

- R (<https://cran.r-project.org/>).
  - For Windows users, click 'install R for the first time'.
- RStudio Desktop (<https://www.rstudio.com/products/rstudio/download/>)
  - Download the free RStudio Desktop version

If you already have R and RStudio installed, **please ensure that it is at least a 2016 version of R and RStudio.**

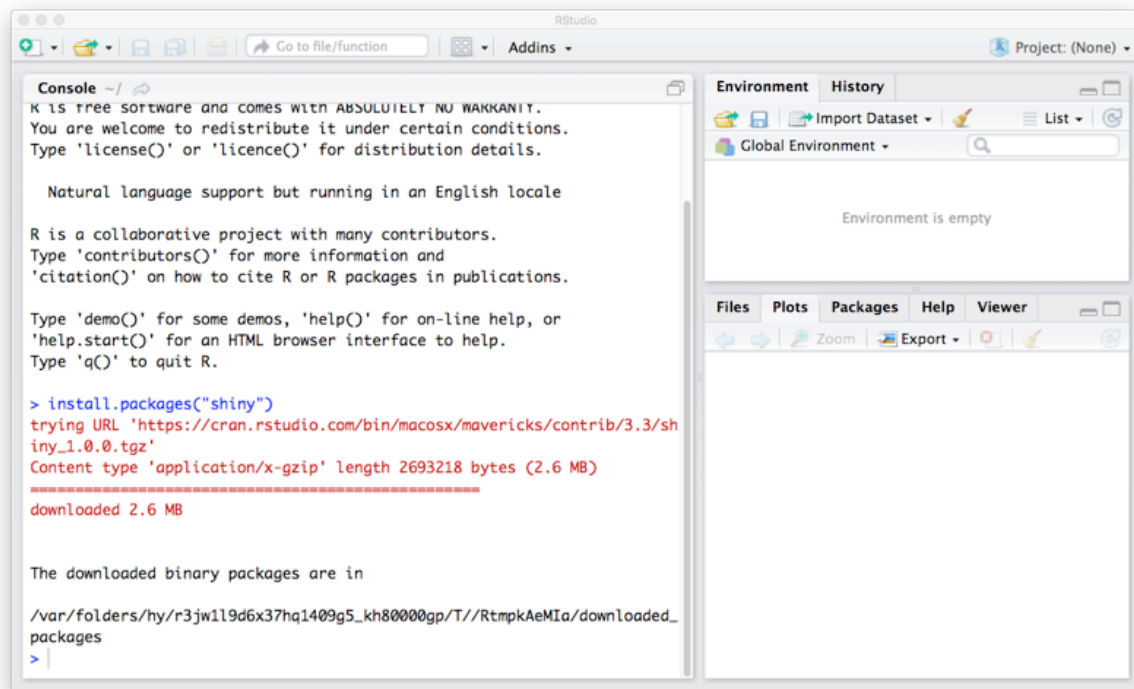
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## Installing the R Shiny Package

We will also be using the R package Shiny. To download this package, open Rstudio, then type:

```
install.packages("shiny")
```

In the console, then hit 'enter'. You will get some red text saying that the package is installing, followed by some black text, and on completion, a blue ">"



## Downloading Data Required for the Plots

We will be using the r-novice-inflammation-data from the Software Carpentry lessons. To download this data, please download the r-novice-inflammation-data.zip data here:

<http://swcarpentry.github.io/r-novice-inflammation/setup/>

Look forward to seeing you all there!