

R-Ladies St. Louis: Software Download & Install Instructions

Xiaoyan Wang

March 6, 2019

This document outlines how to download and install two programs: R and RStudio

Step 1: Download & install R

Note that you should download & install R first.

For Windows machines: - Go to <https://cran.r-project.org/bin/windows/base/> - Click **Download R 3.5.2 for Windows** (current version as of 01.12.19) - Open the .exe file and follow recommended install instructions and settings

For Mac OS: - Go to <https://cran.r-project.org/bin/macosx/> - Click **R-3.5.2.pkg** (current version as of 01.12.19) - Install following recommended install instructions and settings

Step 2: Download & install RStudio

For all: - Go to <https://www.rstudio.com/products/rstudio/download/#download> - Click on the installer **RStudio 1.1.463** appropriate for your OS - Follow recommended install instructions and settings

For more help or explicit instructions, see:

For Windows machines - http://www.reed.edu/data-at-reed/software/R/r_studio_pc.html

For Mac OS - http://www.reed.edu/data-at-reed/software/R/r_studio.html

Or email me with questions: xiaoyan.wang@wustl.edu

Verify the installs

After installing the software, open RStudio and type the following code into the Console pane. You will be installing a package (also called a library) called *tidyverse*, and printing the first few rows of a dataset included in the package called mpg. The code is in color in the grey boxes and the output is in the lines starting with two hashtags ##.

```
install.packages('tidyverse', repos="http://ftp.ussg.iu.edu/CRAN/")
```

```
##
```

```
## The downloaded binary packages are in
```

```
## /var/folders/w6/n61p9lfx33gd6f07fk11r0580000gn/T//RtmpwGSb8s/downloaded_packages
```

```
library(tidyverse)
```

```
## Warning: package 'tidyverse' was built under R version 3.4.2
```

```
## Warning: package 'tibble' was built under R version 3.4.3
```

```
## Warning: package 'tidyr' was built under R version 3.4.3
## Warning: package 'readr' was built under R version 3.4.4
## Warning: package 'purrr' was built under R version 3.4.2
## Warning: package 'dplyr' was built under R version 3.4.4
## Warning: package 'stringr' was built under R version 3.4.4
mpg
```

You should see this output if you've installed R & RStudio correctly.