Step 1: Download R and install R:

https://cran.rstudio.com/

Step 2: Download and install Rstudio after you install R:

http://www.rstudio.com/products/rstudio/download,

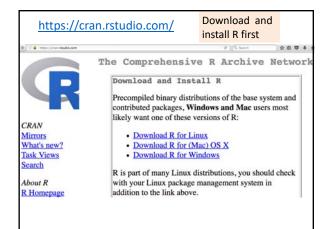
For some potentially useful tips, see:

http://socserv.mcmaster.ca/jfox/Courses/R/ICPSR/R-install-instructions.html

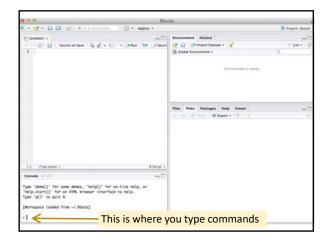
From: http://socserv.mcmaster.ca/jfox/Courses/R/ICPSR/R-install-instructions.html

Installing R on Windows

Instead of installing R in the standard location, C:\Program Files\R\R-3.1.1, I suggest that you use C:\R\R-3.1.1. This will allow you to install packages without running R with administrator privileges and will avoid problems that sometimes occur when there are spaces in paths.







After you have installed a package using

> install.packages("swirl")

You can load the package using the library command:

> library(swirl)

Use the following to install Swirl courses:

> install_from_swirl("Course Name Here")

The following will start swirl:

> swirl()

For a list of courses:

https://github.com/swirldev/swirl courses#swirl-courses

http://swirlstats.com/scn/title.html

Some notes:

- 1.) Normally you only need to install a package once. e.g > install.packages("TDAmapper")
- If you want to use a package, you must load it e.g > library("TDAmapper") You only need to do this once per session.
- 3.) If you want to repeat a command, you can use the up-arrow on your keyboard to obtain previously typed commands in the console.
- 4.) When you start typing commands, R will show you some choices. You can click on the one you want.



If you click on a $% \left(1\right) =\left(1\right) +\left(1\right) =\left(1\right) +\left(1\right) +\left(1\right) =\left(1\right) +\left(1\right) +$

You should download the following files from: http://homepage.divms.uiowa.edu/~idarcy/COURSES/ TDA/SPRING18/LAB1 Rintro

You can download some data files from http://homepage.divms.uiowa.edu/~idarcy/COURSES/TDA/SPRING18/Data

