**Getting R**

Install from:

<https://cran.rstudio.com/>

For help check out:

Windows: <https://www.youtube.com/watch?v=mfGFv-iB724&feature=youtu.be>

Mac: <https://www.youtube.com/watch?v=Icawuhf0Yqo&feature=youtu.be>

**R Studio**

R studio is not necessary but a great console for working with R. Like R, it is free.

<https://www.rstudio.com/products/rstudio/download/>

**Resources**

Textbook: Andy Fields – Discovering Statistics Using R

Interactive intro to R – Swirl [www.swirlstats.com](http://www.swirlstats.com) Includes guide to using it. Has a number of modules introducing you to coding (vectors, loops etc) right up to regression.

Short R Intro - [https://cran.r-project.org/doc/contrib/Torfs+Brauer-Short-R-Intro.pdf](https://cran.r-project.org/doc/contrib/Torfs%2BBrauer-Short-R-Intro.pdf)

Google – anything. There is a huge amount of information out there with people sharing code and answering questions. Just googling your problem will almost always find the answer.

**Cool Graphics**

<http://motioninsocial.com/tufte/> Tufte themes in R.

<https://www.r-statistics.com/tag/visualization/>

**In R tips**

Getting help:

> ?mean

Will get you help on the mean function.

Functions are written with parentheses – arguments go in parentheses

>mean()

Indexing is done with square brackets

>x[2:5]

>example(mean)

Will get you an example of taking the mean.

**Scripts**

If you are new to coding you might want to play about in the command line with functions for a while but very soon you will be writing multiple lines of code which you will want to store in scripts. Scripts allow you to edit and rerun code with ease. Ctrl+shift+n will open a new script.

Run part of your script by selecting the lines and pressing ctrl+enter or clicking run. If nothing is selected ctrl+enter will run the line with the cursor.

To run all press ctrl+shift+s