R Resources

James Hunter, D.Sc.

10/23/2021

Key Readings

- **MAD – Data Analysis & Biostatistics in R** by Prof. Hunter
  - A text on the subject of the course in preparation
  - Will provide more detail of what I cover in classes {MAD - Materia de Analise de Dados}
- Statistics texts
  - Diez, Barr & Cetinkaya-Rundel, **OpenIntro Statistics 4**
  - Navarro, D. **Learning statistics with R: A tutorial for psychology students and other beginners**
- Basic R Books
  - Wickham & Grolemund, **R for Data Science**
  - Ismay & Kim, **Statistical Inference via Data Science: A moderndive into R and the Tidyverse**
  - Irizzary, **Introduction to Data Science**

RStudio Cheat Sheets

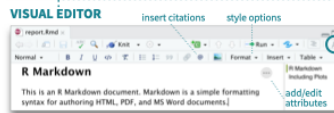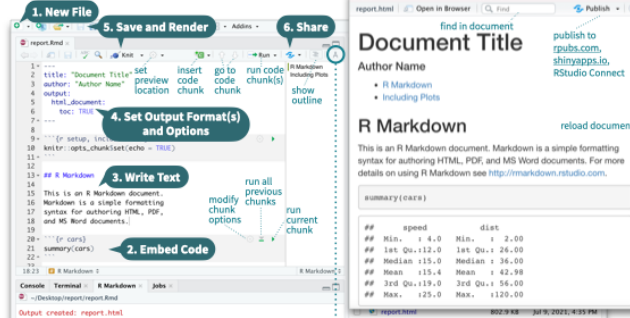- Series of 1 and 2 page summaries for a number of key packages of R functions
- https://www.rstudio.com/resources/cheatsheets/

Online Courses

- edX - Harvard courses on R in data science taught by Irizzary

- Coursera - Johns Hopkins courses on R and R in biomedical applications

- Utrecht University (Netherlands) - Introduction to R and data

- Coursera - Duke University - sequence of R courses by Cetinkaya-Rundel

All excellent

Sites about R

- R Bloggers (https://www.r-bloggers.com/)

- Tidyverse (https://www.tidyverse.org/learn/)

- Stack Overflow (https://stackoverflow.com/questions/tagged/r)

- Twitter (#rstats)

R and RStudio Help Systems

- Very complete

- Every function (command) has a help screen

- Written by geeks for geeks

  - Explanations sometimes opaque
  - Especially error messages

- Last resort: copy error message and Google it

  - Someone, somewhere has not understood the same thing that troubles you