## Recommended reading

Resource	Focal point	Remarks
An Introduction to Statistical Learning with Applications in R (James, Witten, Hastie, & Tibshirani, 2021)	<ul> <li>Some statistics theory precedes the practical implementation in R</li> </ul>	https://www.statlearning.com/
Hands-on Programming with R: (Hadley & Garrett, 2017)	<ul> <li>How to install R/RStudio</li> <li>Getting started</li> </ul>	https://rstudio-education.github.io/hopr/
YaRrr! The Pirate's Guide to R: (Nathaniel D. Phillips, 2018)	<ul> <li>Simple introduction to using R for beginners</li> </ul>	https://bookdown.org/ndphillips/YaRrr/
R for Data science: (Hadley & Garrett, 2017)	<ul> <li>Tidy framework for data wrangling</li> <li>Visualization with ggplot</li> <li>RMarkdown</li> </ul>	https://r4ds.had.co.nz/graphics-for-comm unication.html
The R inferno: (Burns, 2011)	<ul> <li>All the things that can go wrong in R</li> <li>What R does versus what you think it's doing</li> </ul>	https://www.burns-stat.com/pages/Tutor/ R_inferno.pdf
Beyond Multiple Linear Regression: (Roback&Legler, 2021)	•	Beyond Multiple Linear Regression

## Preparatory instructions for participants

- 1. Install (or update) the latest version of R (from this link) and RStudio (from this link)
- 2. Install (or update) the latest version of the follow R packages
  - a. ISLR2
  - b. tidyverse
  - c. Rmarkdown

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- 3. Install some Latex version such as lite version of Miktek (from this link) or tinytex R package
  - a. If you install tinytex R package, run the following command
    - i. tinytex::install\_tinytex()
- 4. Create a GIThub account and configure RStudio to use version control (follow the Installation+Getting started <u>sections here</u>)