Resources for the Course

Open IntroStatistics Third Edition

Install R: choose the appropriate kind of computer system from the download options at the top of:

https://cran.r-project.org

Install RStudio: choose the appropriate kind of computer system from the list at bottom of the page at:

https://www.rstudio.com/products/rstudio/download3/

This is an instruction page for installing R and RStudio, and working on the labs.

> Installing R and RStudio.pdf

Supplementary resources from OpenIntro: You might find the following resources useful as you navigate through this course.

- Additional videos accompanying OpenIntro Statistics: These can be used as supplementary videos, they are basically book-on-tape versions of the textbook.

- Textbook errata: If you read something that doesn't make sense first check to see if it's been corrected already. If not, submit typos at https://www.openintro.org/os/typos. The OpenIntro team very much appreciates your feedback!

- Probability tables.

Interactive web applets: You will see these in the course videos, and you're encouraged to play with/use them for learning and doing.

- Distribution calculator: For calculating probabilities for the binomial, normal, t, T, and chi^2 distributions.

<u>DataCamp</u>: where you can learn R.

Supplementary R resources:

- <u>Video: Step-by-step instructions for installing R and RStudio</u>

- <u>A (very) short introduction to R</u> (from CRAN)

- <u>Introduction to R Studio</u>

- <u>R commands commonly used in this class</u>

- <u>R reference card</u>: from CRAN

- <u>DataCamp R Tutorial</u>: A brief R tutorial, on the same platform as the course labs.

- <u>CodeSchoolR Tutorial</u>: Another brief R tutorial, in case you would like to have another avenue by which to get introduced to R.

- <u>twotorials</u>: how to do stuff in r. two minutes or less.

- <u>R Tutorial</u> (thanks to James R Gardner and vraj chauhan for suggesting this resource)

- <u>R for Reproducible Scientific Analysis</u> (an introduction to R for non-programmers using gapminder data)

Stats and data visualization blogs: Find out what others are doing with data, or what other statisticians/data analysts/data scientists/data visualizers are up to.

- <u>FiveThirtyEight</u>: Nate Silver's political calculus

- <u>FlowingData</u>: data visualization

- <u>Junk Charts</u>: the name says it, examples of not-so-good visualizations and discussion on how to improve them

- <u>The Guardian Data Blog</u>: interesting data visualizations for news stories as well as links to the actual data

- <u>The Daily Viz</u>: blog of matt stiles, data journalist at npr

- <u>Statistical Modeling, Causal Inference, and Social Science</u>: blog of Andrew Gelman, professor of statistics and political science at Columbia University, often higher level statistics but interesting commentary

- <u>blprnt.blg</u>: blog of Jer Thorp, Data Artist in Residence at the New York Times

- <u>Simply Statistics</u>: blog of three biostatistics professors (Jeff Leek, Roger Peng, and Rafa Irizarry), posts discussing science/popular writing, linking to inspiring articles, and advice for up-and-coming statisticians