

## **DATA 210G Elements of Data Science (with R)**

### **Primary Reading Material with Exercises**

“R Programming for Data Science” by Roger D. Peng, 12/22/2016, published by leanpub.com,  
<https://leanpub.com/rprogramming>

“R for Data Science: Import, Tidy, Transform, Visualize and Model Data”, 1<sup>st</sup> edition, by Wickham and Grolemund, published by O’Reilly media  
<https://www.amazon.com/Data-Science-Transform-Visualize-Model/dp/1491910399>

### **Supporting Videos and Lectures**

[R Programming via Johns Hopkins University](#)

[Some Helpful Examples](#)

[RMarkdown – Submitting Projects For Class](#)

[RMarkdown – Submitting Projects For Class \(Another Example\)](#)

[Plotting with ggplot2 part one](#)

[Plotting with ggplot2 part two](#)

[Another Intro to ggplot2 in R](#)

[Tidyr Package and Tidy Data](#)

### **Data For Use With Videos and Tutorials (If not already in RStudio)**

[MAACS data set](#)

[US County Data Set](#) (already tidy)