Feb 5 Readings

Introduction to R and Data Cleaning (Tidy Data)
1. https://www.youtube.com/watch?v=HkNFn6eosaU
Here is a quick introduction video to R. A quick overview, comparison to Python and general syntax.

2. https://www.youtube.com/watch?v=lTTJPRwnONE
Here is a quick introduction video to RStudio, the IDE that we will be using for R programming. For data cleaning we will mainly be using R's tidyverse package.

3. Tidy Data by Hadley Wickham

Here is a journal by Hadley Wickham that outlines the problem as to why data cleaning is imperative and can be a strenuous process. I expect you to read it upto page 12 (right before Tidy Tools) just to be able to understand the problems and formulate them in your mind. Reading is attached to this post and will be posted to Github as well.

Feb 7 Readings

1. Tidy data by Hadley Wickham
Complete the journal article and read about Tidy Tools (starting page 12). The reading is attached here.Tidy_data.pdf

2. Getting started with Tidyverse in R
http://www.storybench.org/getting-started-with-tidyverse-in-r/

3. Tidyverse split-apply-combine http://www.stat.wisc.edu/~yandell/R_for_data_sciences/curate/tidyverse.html
Here is a split-apply-combine example that I would like you to do.

4. Dive into Tidyverse http://datascience.nd.edu/dive-into-the-tidyverse-blog/
Here is Hadley Wickham, the creator of Tidyverse doing a guest lecture. I thought his take on R and data science itself is very interesting.