# DATA 607 Final Project – Things to Do

* Proposal describes your motivation for performing this analysis.
* Proposal describes likely data sources.
* Submit Proposal by 11/11/2018.
* Your project has a recognizable “data science workflow,” such as the OSEMN workflow or Hadley Wickham’s Grammar of Data Science.
* Project includes data from at least two different types of data sources
* Project includes at least one data transformation operation.
* Project includes at least one statistical analysis and at least one graphics that describes or validates your data.
* Project includes at least one graphic that supports your conclusion(s).
* Project includes at least one statistical analysis that supports your conclusion(s).
* Project includes at least one feature that we did not cover in class! There are many examples: “I used ggmap; I created a decision tree; I ranked the results; I created my presentation slides directly from R; I figured out to use OAuth 2.0…”
* Presentation. Was the presentation delivered in the allotted time (3 to 5 minutes)?
* Presentation. Did you show (at least) one challenge you encountered in code and/or data, and what you did when you encountered that challenge? If you didn’t encounter any challenges, your assignment was clearly too easy for you!
* Presentation. Did the audience come away with a clear understanding of your motivation for undertaking the project?
* Presentation. Did the audience come away with a clear understanding of at least one insight you gained or conclusion you reached or hypothesis you “confirmed” (rejected or failed to reject…)?
* Code and data. Have you delivered the submitted code and data where it is self-contained—preferably in rpubs.com and github? Am I able to fully reproduce your results with what you’ve delivered? You won’t receive full credit if your code references data on your local machine!
* Code and data. Does all of the delivered code run without errors?
* Code and data. Have you delivered your code and conclusions using a “reproducible research” tool such as RMarkdown?
* Deadline management. Were your draft project proposal, project, and presentation delivered on time? Any part of the project that is turned in late will receive a maximum grade of 80%. Please turn in your work on time! You are of course welcome to deliver ahead of schedule!

DATA 607 Final Project – Completed Items