**DATA 557**

**Final Project – Assignment 1**

**Winter 2019**

This is a group assignment. Submissions for this assignment are due by **11:59pm, Monday February 18.**

This is the first assignment related to the final project. Your assignment is to work with your group to write a 1-2 page description of your project proposal. Include responses to the following items. Your responses may reflect tentative decisions that may change before your proposal is finalized.

* Project title
* Group members
* Data description: give a brief description of the data set you propose to use.
* Data source: describe the source of the data. If possible, give a link or citation of the data set.
* Data availability: do you have the data currently? If not, are there any potential problems with accessing the data?
* Questions to be addressed in your analyses: list 1-4 questions that you would like to answer using the data.
* Variables: list the key variables needed for your analyses.
* Analysis methods: list the statistical methods that you propose to use for each of your questions of interest.
* Potential problems: if you have identified any potential problems or obstacles to completing your analysis, describe them briefly and state how you will address them.

**Timeline for Final Project**

Wed, February 13 – choose your group, tentative scientific questions, and data source

Mon, Feb 18 – submit project proposal

Wed February 20 – in-class discussion of project ideas

Mon Feb 25 – submit final group members and revised project proposal

Wed Feb 27 – work in class on analysis plan and data analysis

Mon Mar 4 – submit statistical analysis plan and data descriptives

Wed Mar 6 – work in class on analysis, start preparing presentation slides and report

Mon Mar 11 – submit draft presentation slides

Wed Mar 13 – in class presentations (we will plan to stay a bit later than usual if necessary to complete all presentations)

Wed Mar 20 – submit final written report