ADA2 Final Project: As part of the course, your work in this class will culminate in a project involving some theoretical or applied aspect of advanced data analysis. You can work with other students (at most four students for each group) and submit one project (needs to be typed) for each team.

- April 5th, Friday, please email me the list of your group. If you want to do the project by your own, please also email me by April 5th.
- April 8th Monday, I will randomly assign the remaining of you to three-person groups.
- May 7th Tuesday by 12:00pm, final project is due. You will need to send me an electronic version via yanlu@unm.edu.

Here are some possible topics for the final project. Please refer to project writing instruction for format.

1. Do January 2019 Statistics Qualifying Take-Home exam. There are two problems in the exam. A suggested length of the report to each problem is no longer than 3 pages. `https://math.unm.edu/sites/default/files/files/qual-exams/Edit%20Past%20Qualifying%20Exams%20Page%20Past%20Qualifying%20Exams%20-%20Statistics/Stat_takehome2019jan.pdf`
2. Analyze a data from your own research project.
3. Analyze a data according to your interest.

   The following websites are some Data resources or ideas for project:
   `https://www.kaggle.com/`
   `https://www.drivendata.org/` `https://www.analyticsvidhya.com/blog/2018/05/24-ultimate-data-science-projects-to-boost-your-knowledge-and-skills/`

   Make sure that you should include methods used from ADA 2, such as ANOVA with multiple predictors, multiple regression, ANCOVA, logistic regression, principal components, cluster analysis, and classification analysis etc.