

Final Project

CME/STATS 195, Fall 2018

Due: November 1, 2018 at 11:59pm

Guidelines

The goal of this project is for you to practice the skills learned in this class and to apply them to a real dataset. You may consider working on a problem related to your own research, or exploring one of the many open-access datasets available on the web. Choose a project that interests and excites you. To get started, you can refer to the non-exhaustive list of project ideas on the class website. This is a chance for you to acquire more experience with R, so you should focus more on coding and exploring the data, rather than on answering a specific research question. Through the project you should demonstrate the skills that you have learned by taking this class, but you are encouraged to go beyond it and also use other R tools. Your project will be partially graded based on the quality of exposition. You should use R Markdown to prepare your writeup and make sure that everything looks beautiful and professional. Your methods and purpose should be well explained, and your conclusions be convincingly motivated.

Instructions

You can work with others in groups including up to 4 students. In case of group projects, on your report, clearly indicate your team members' names and contributions. You may send one submission per group.

Submit a title and an abstract of your proposed project by Tuesday October 16, 2018 at 11:59pm.

The final report is due on Thursday November 1, 2018 at 11:59pm. You must upload a writeup including all relevant code, plots and output produced. Please make sure that you submit your writeup in the form of a high-resolution PDF file. If you generate random numbers, set a seed and report it. If you choose to work with open-access data, explain how you obtained it and make sure that all your work can be reproduced exactly, based solely on the information contained in your submission. If your data is not openly accessible, explain where it comes from and make sure that anyone with access to the data would be able to reproduce your exact work.