Final Requirements And Guidelines

Your *Final Report* should stand alone and include technical details and visualizations. The goal is to practice communicating a full Data Science project report. Below are the deliverables to be included in your final project.

Deliverables:

The deliverables for the final are:

1. A recap of your work in the form of a **Website** (we will refer to it as the ***Final Report***)
2. Jupyter notebook and a pdf of the notebook
3. Peer evaluation

Key Dates:

The above submission is due on Dec 12th at midnight. Late submissions will not be accepted under any circumstances, and you may not use late days. After your team submits the project, you will fill out a peer evaluation (5 points), which will be published on Canvas on Dec 10th at midnight. The evaluation will be short and must be completed by Dec 12th by midnight. Again, late days do not apply.

Grades:

The final will be graded on both content and clarity and it counts for 80 points out of 100 for the project.

1. Forty-five (45) points (40 points for the content and 5 points for website style),
2. The Jupyter notebook and pdf is worth 30 points.
3. A peer evaluation of each team member (5 points) in a separate Canvas quiz

How to submit:

Please follow instructions inside the assignment Milestone#4.

Content of the Final Report

- **Overview**: Provide an overview of the project. It is important that you include a general context for the project as well as an overall description of the project. Any introductory information that's specific to the project should also be included.

- **Motivation**: Introduce the project motivation both as a whole as well as motivations for important defining aspects of your work. For example were there any visualization or UI primitives that informed your work?
- **Description of Data and EDA**: What data are you dealing with? What methods have you used to explore the data (incl. initial explorations, models, data cleansing and reconciliation, etc)? What insights did you gain? How did those methods influence your work?
- **Literature Review/Related Work**: This can include noting any key papers, texts, other software sources, talks or websites that you have used to develop your modeling approach and/or that informed your demo/site.
- **Modeling Approach:** What was your baseline model for comparison? What further models did you implement? Description of your implementations beyond the baseline model. Briefly summarize any changes in your project goals or implementation plans you have made along the way. These changes are a natural part of any project, even those that seem the most straightforward at the beginning. The story you tell about how you arrived at your results can powerfully illustrate your process.
- **Results:** Describe the results and emphasize the most important results. Did you have to reconsider some of the original assumptions?
- **Conclusions and Summary:** Review what was discussed in the Overview and Motivation sections (don't repeat them word-for-word!). Discuss your contributions including the successes and areas for improvement.
- **Future work:** Discuss extensions to and new directions for your work. What do you think would be interesting to pursue next? Are there any ideas worth exploring that you didn't get a chance to explore?
- **Style**: Your work should embrace simplicity over complexity, be intuitive for an only slightly informed user to navigate, and as much as possible be appropriately polished, robust, and reliable. Visualizations should be constructed to slice through complexity and convey information and insight elegantly and concisely. We recognize that these are not going to be fully constructed products, but style still matters.

Example websites:

https://katezhouyumeng.github.io/AC209A_SlopeDetection/

https://ieatyanyans.github.io/music-recommender/

https://sites.google.com/view/cs109a-lendingclub-group-26/home?authuser=0

http://casser.io/ac209a/