

CS 6053 - Foundations of Data Science

Data Communication Evaluation

Objective: To gain experience orally communicating the results of a data analysis

Introduction:

The semester has consisted of assignments that have focused on developing your ability to perform data analysis focused on a variety of different questions. You have seen diverse types of data and developed models designed to better understand that data. As part of the final project for the semester, you are required to record a screencast where your group will present your final project results.

Requirements:

- 15 minute recording of your group explaining your project results
 - Exceeding this limit by more than 2 minutes will result in a grading penalty
- Only your screen and voice need to be recorded (you should not record video of yourself presenting the material)
- Each group member must introduce themselves when presenting
- Recording is to be submitted as a **.mp4** file (or link to a video file) for the assignment titled *Final Project Screencast* on the course Brightspace page. You will find this assignment listed under the **Assignments** tab

Instructions:

There are many ways to create a screencast. One of the simplest options that I have found is a tool called Loom. You can access a free version of Loom [here](#). You can find tutorials on how to create a video [here](#) if you don't have experience with creating a screencast. You are not, however, required to use Loom.

Your entire Jupyter notebook should be executed prior to recording your screencast. In this way, you can scroll through the parts of your analysis that you are discussing without needing to execute the code (or wait for the code to execute). Your analysis can be displayed as either a PDF or in the Jupyter notebook itself. If you want to have the analysis available in a slide based format, check out [RISE](#). This is not required. Use whichever presentation format is most comfortable.

Evaluation:

Your screencast will not be evaluated based on the correctness of your results. If you make a mistake in your analysis, you will not be penalized on your presentation. The screencast will be evaluated on clarity of expression (be sure to use the correct terminology) and completeness (be sure to discuss each aspect of your analysis: question/estimand, causal model, statistical model, validation, real data analysis, future directions). While there is no expectation that this will be a professional production, please be sure to record in a quiet location without noticeable background noise. I cannot properly evaluate your communication if I cannot hear what you are saying.