CMSE 202

Semester Project Details

The goal of the semester project is to provide you with the opportunity to pursue a computational modeling or data analysis project that you find interesting.

Since part of the focus of CMSE 202 is understanding how to use pre-existing computational tools, your project should involve identifying any publicly-available, python-based packages or libraries that can aid in your completion of the project.

For the project, you are expected work with as a group to accomplish the following:

1. Define a question (or questions) that you think you can answer either by analyzing a publicly available dataset and/or by building/using a computational model.
2. Acquire any data necessary to pursue your question(s).
3. Identify any pre-existing python-based libraries or packages that can be used to aid in answering the question(s).
4. Familiarize yourself with the data/libraries/packages and make sure you're aware of their limitations.
5. Write the code necessary to run your model or analyze your data.
6. Present the results in the form of a 10-15 minute recorded video along with slides, plots, code, etc.