

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 to the class in the form of a 10-15 minute talk with slides, plots, code, etc.