Final Project   **Model Thinking MA 2040/CS 2040**   **Spring 2017**

- Group project - 3 to 4 people in a group
- Form groups and divide tasks - remember your own strengths and weaknesses
- Define a real world problem that seems to be related to one of our models
- Preliminary - Research problem, get data apply model idea
- Form preliminary model - see if it works or not

* Student Projects Using Human Subjects may require IRB Review.

Report Outline

1. Define your topic, a problem or scenario
   a. What is the topic, describe it in detail
   b. What data or information do have about the problem
2. Define model
   a. What model - describe model in general, what is it, how do you use it, what are its parameters, where has this model been applied previously
      i. Is it a computer based solution? Include what you did.
      ii. Is it math or logic based? Include your calculations and data. Include your input data and output data.
      iii. Is it rule based? Include your rules. Why did you settle on these rules? What variations did you try and why or why not did you include or reject those rules?
   b. How did you fit your problem into this model
3. Conclusion
   a. Predictions or insight you gained from this model application
   b. Further work on this topic

Should include a bibliography

Report Submissions due:

Mar 20-22: Have project ideas approved

Apr 26: Rough draft

May 1: return of your marked up draft

May 3: Presentations of your models

May 8: Final paper