



Michael P. Brenner and Chris Gumb

Homework 1

Problem Set 1 Addendum: Midterm Project

Issued: September 16, 2025

Due: September 26, 2025

Problem 1: First Midterm Project Plan (*10 points*)

The first midterm project is due the week of October 7. The rules are as follows: You should work in groups with max 3 people and min 2 people. Group members do not have to be in the same section, though you might find it convenient to do so. You should study a question that is inspired from the first part of this class. (It might build on a topic that we have discussed, or it might use the methods and code we have discussed to address a different type of modeling problem.) The deliverables are

1. A 5 minute presentation on what you have done, to be given to your section.
2. A brief report (4-6 pages long) that summarizes what and how you did it. Each group must turn in a single report. We will give both an example of the format we are looking for as well as a grading rubric.

For this problem set, we would like you to give an initial plan for your project. Please submit a PDF document to canvas answering the following questions **for each group** by September 26 when problem set 1 is due

1. What is the topic of your project? What question would you like to answer?
2. Who are your group members?
3. What methods or ideas will you use from the first part of the class?
4. Do you have questions about how to start that we can help with?