

# CS 5350/6350: Machine Learning Fall 2021

## Project Information

Handed out: 14 Sep, 2021  
Due: 11:59pm, 1 Oct, 2021

- You are welcome to talk to other members of the class about the homework. I am more concerned that you understand the underlying concepts. However, you should write down your own solution. Please keep the class collaboration policy in mind.
- Feel free to discuss the homework with the instructor or the TAs.
- Your written solutions should be brief and clear. You need to show your work, not just the final answer, but you do *not* need to write it in gory detail. Your assignment should be **no more than 10 pages**. Every extra page will cost a point.
- Handwritten solutions will not be accepted.
- The homework is due by **midnight of the due date**. Please submit the homework on **Canvas**.
- Some questions are marked **For 6350 students**. Students who are registered for CS 6350 should do these questions. Of course, if you are registered for CS 5350, you are welcome to do the question too, but you will not get any credit for it.

## Project Choice (5 points)

Please select the project type in the below. Note that you can only select one:

- Competitive (Kaggle): ✓
- Exploratory

## Project Proposal(10 points)

If you are doing the Kaggle project, please register at <https://www.kaggle.com/t/9a5e3392a78a47ecb04e825588917dbe> and make a dummy submission. That is, you can generate a random submission following the format (see the example in Canvas announcement), upload it to the platform, and make sure it successfully get scored. Please **list your Kaggle account name and your UID here** so that we can track your performance.

If you are doing an exploratory project, please **write a one-page proposal (do not exceed Page 2)**, and discuss the following:

- Who are in the project team (please list the name and UID of your team members, and there are at most **two** team members).
- What problem do you want to address?
- Why is it interesting? Why do you want to use machine learning rather than traditional/existing methods?