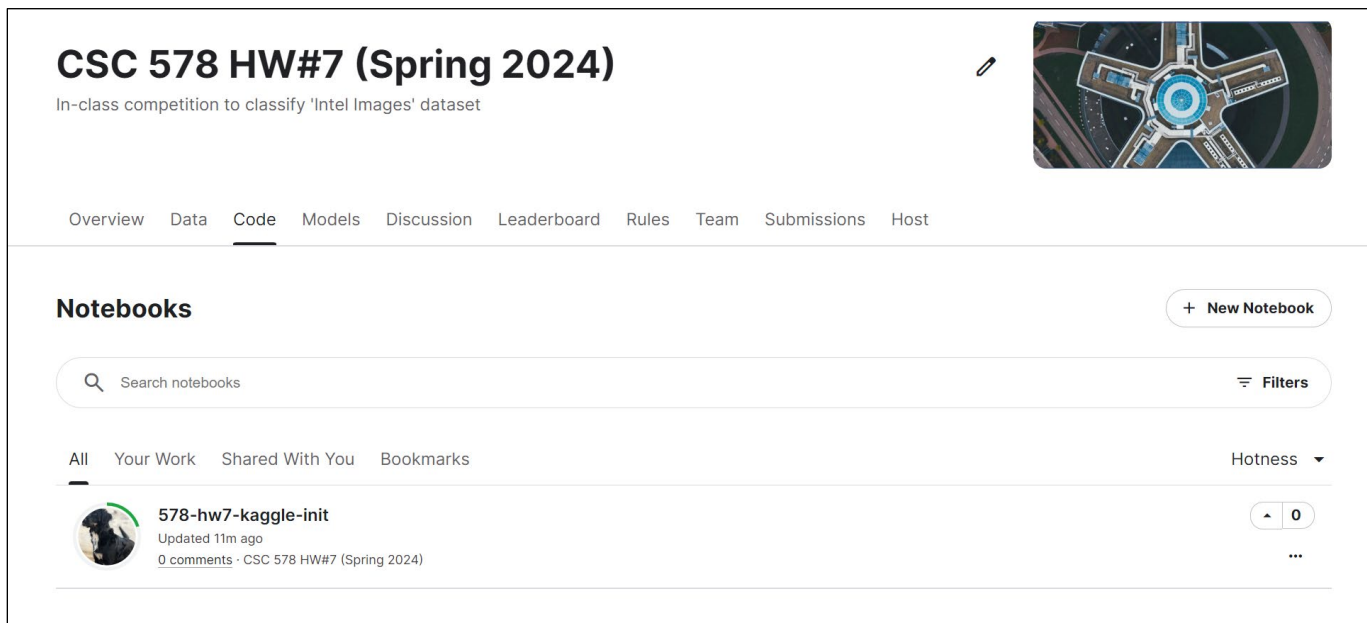# How to write code in Kaggle for Kaggle Competition

This instruction describes how to write code for our HW#7 In-Class Kaggle Competition, using the Kaggle's development environment.

Step 1: Go to Kaggle.com and create an account on Kaggle (if you don't have one already).

Step 2: Go to the Competition page – "CSC 578 HW#7 (Spring 2024)" (**https://www.kaggle.com/t/5aee1022db0942818b00a31000c1f09a**).

Step 3: Join the competition. You can click on the button 'Join Competition', or you can do so from the invitation email.

Step 4: Click on the 'Code' menu at the top. Under the tab 'All', you will see an entry '578-hw7-kaggle-init". It is a starter Notebook file. Click on the entry to open the file.

Step 5: In the Notebook page, expand the button with three vertical dots and select 'Copy & edit notebook'. This will copy the Notebook into your Kaggle account.

Then you see a copy of the Notebook – a Fork -- as your own local copy (created under your Kaggle account).

Step 6: Rename the file (by editing the cell at the very "Fork of …"). Then edit the content as you wish to develop code.

Note that, in the right pane, you can expand 'Input' and 'Output'. Input is showing the dataset which is (already) connected to this code (in particular, csc-578-hw-7-spring-2024, which contains two subdirectories 'test_pred' and 'train'). The listing under Output is showing the **file list on your Kaggle account**. This is where any output file, including your submission file (which you will create in the code), will be stored.

Step 7: Create a submission file, by writing a new output file. You can name the file as you wish. Make sure (and wait until) the file shows up under 'Output' -> '/Kaggle/working'.

Step 8: [from https://www.kaggle.com/docs/competitions#submitting-predictions]
To submit a new prediction use the Submit Prediction button. This will open a modal that will allow you to upload your submission file. We will attempt to score this file, then add it to My Submissions once it is done being processed.

Note that to count, your submission must first pass processing. If your submission fails during the processing step, it will not be counted and not receive a score; nor will it count against your daily submission limit. If you encounter problems with your submission file, your best course of action is to ask for advice on the Competition's discussion forum.