

MSBD 5001 Tutorial week 8

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Short Comment on Midterm

The midterm exam was not computationally-intensive. The grading is also not strict:

Example

If we have a 5-point question, you can get

- 4-5 if you get almost correct answer (with reasonable steps and explain)
- 2-3 if you get an rough idea of what the question is about
- 0-1 if you don't seem to understand the question

The midterm makes 40% of final grade, work harder on your project if you feel you didn't get good score.

Individual Project

As stated, a Kaggle in-class competition. The link is posted to Canvas

Problem description

Our problem is related to analyzing the performance of computer programs: We randomly generated datasets and models to train classification models. Your goal is to predict how long the program takes (testing data).

Notice

Please don't try to replay the programs on your computer. We generated the data using a powerful cluster, so the results will be absolutely different.

We will create a survey on Canvas. Please fill in the Kaggle account before next lecture. Un-registered players are not eligible for bonus and grading.

Metrics

The evaluation metric is the Mean Squared Error between your results and the answer.

Ranking

Smaller error leads to high ranking, graded and generated by Kaggle.

Rules Cont'd

You are allowed to submit 1 time every day.

Leaderboard

There are two leaderboards:

- Public leaderboard: Based on a fraction of testing set. Will be seen by everyone.
- Private leaderboard: Based on the rest of testing set. Available at the end of competition.

Final Ranking

By the end of competition you can select a solution for final grading, by default it's the one with best public leaderboard score. This is graded with private leaderboard.

Updated Grading Scheme

Please notice the updated grading schemes, your grade consists of three parts:

- Valid submission. You have a valid score on Kaggle AND you post your code on Github for validation. Kaggle posts are not required.
- Ranking. The leader gets 10 points, 1st runner-up: 9.9 and so on. The last few competitors is 0 since we have more than 100 students.
- Bonus. The leader on public leaderboard every week gets 1 point, can be repeated. The top-3 on private leaderboard gets 5,3,2 respectively. Private leaderboard winners needs to do a in-class presentation of your method in the last lecture (or a short interview).

Questions

This is the first time we introduce this competition it may be buggy. We welcome your comments. Please post on Canvas so everyone can see it.