Introduction to Machine Learning (67577)

Course Guidelines

Second Semester, 2022

Contents

1 General information

- All classes will be taught in Hebrew. All course material is written in English.

2 Contacting course staff

- For personal requests please send a mail to **iml@mail.huji.ac.il**. Please specify the topic of your inquiry in the mail's title (e.g. miluim, personal event, technical issue). Please be concise and include your full name, ID number or CS user. Any (none personal) requests regarding exercises should be sent as specified below.
- Questions regarding the material can be posted in the Moodle forum under the relevant week's forum.

- Questions regarding exercises should only be posted on the forum designated for that exercise. Please read the forum before posting your question. There's a good chance it has been answered already.
- **O**ther General Issues should be posted in the General Issues forum.
- The course team will **not** reply to IML-related messages to our personal mailboxes.

3 Lectures and recitations

- There are two lecture groups: **Wed 13-16** (lecture group A) and **Wed 16-19** (lecture group B).
- Please attend the group you are registered in. If due to unusual circumstances you're unable to attend your group, feel free to attend another group if there are free seats in the room. Each lecture is 3 hours.
- There are 10 recitation ("tirgul") groups spanned from Sundays to Tuesdays. Groups: (A) Mon. 12:00-13:45 (B) Tue. 16:00-17:45 (C) Tue. 10:00-11:45 (D) Tue. 12:00-13:45 (E) Mon. 16:00-17:45 (F) Mon. 14:00-15:45 (G) Tue. 14:00-15:45 (H) Mon. 10:00-11:45 (I) Sun. 10:00-11:45 (J) Sun. 12:00-13:45.
- Please attend the group you are registered in. If due to unusual circumstances you're unable to attend your group, feel free to attend another group if there are free seats in the room. Each recitation is 2 hours long.
- Lectures, as well as one of the recitation sessions, will be recorded. We **strongly** suggest attending them live / physically (when that will be available).

4 Lab meetings

- In addition to lectures and recitations, this course offers a weekly 1-hour "lab meeting" in small groups.
- Most labs will be held by zoom but a few will be held in person. Specific details will be given separately.
- Lab meetings are designed to help you understand the material and give you guided hands-on coding experience.
- For each lab meeting you will do a simple quiz in Moodle.
- You will register to one of the lab groups in Moodle.
- Labs meetings are highly recommended but not mandatory - you can submit the lab quiz without attending to the meeting itself.

5 Final exam

- The final exam will be a **written test**.
- We will **not** hold a midterm exam.

6 Homework

- During the semester there will be overall 7 exercises.
- There will be a forum for each exercise. All questions regarding the exercises should be posted in the relevant discussion forum.
- Please read the "Submission Guidelines" for details regarding the required format of exercises submission.

- Each exercise will include a quiz on Moodle. The grade will be composed by 70% written submission and 30% quiz.

7 Hackathon

- The traditional IML Hackaton will take place on the 25-27.5.
- Participation in the Hackathon is optional, but highly recommended!

8 Data Challenge

- Starting this semester we will hold a weekly challenge.
- The challenge begins on 17/3 and ends at 16/6.

9 Grade structure

- The final grade is composed of the following components: Final exam, exercises, labs, data challenge and hackathon, weighted as follows: Exam (65%), Exercises (30%), Lab sessions (5%).
- **Exam**: You need 60 or more in the final exam to get a passing grade.
- **Exercises**: Grade will be calculated based on the first exercise and the top 4 of the remaining ones.
  - Submission of 5 remaining exercises will increase weight in final grade from 30% to 32%, submission of 6 exercises will increase weight to 35%, when the additional percentages are used as a Magen on the exam grade.
- **Labs**: The lab grade will be based on the grades for the top $\#labs - 2$. If less labs were submitted we will add zeros.
- **Hackathon**: Will be up to 5 bonus points to the final grade. Not mandatory, highly recommended.
- **Challenge**: Ranging up to 10 bonus points for the final grade, based on the team's performance. The challenge is also not mandatory but highly recommended.