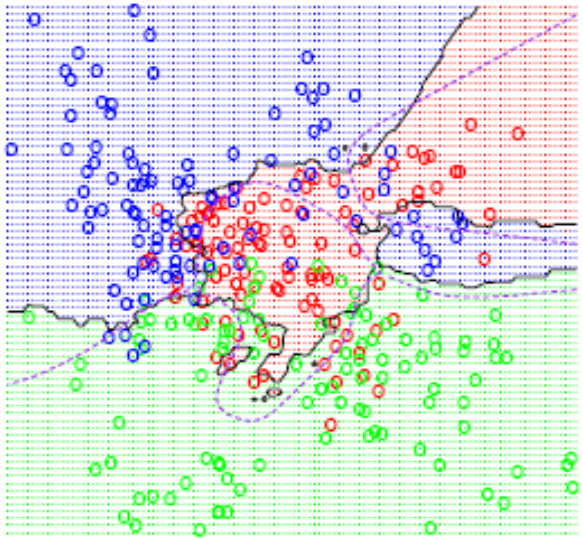
Machine Learning

An overview of logistics



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Shahrivar 31, 1398

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Overview

- Instructors:
  - Kaveh Kavousi and Hesam Montazeri
- Teaching assistants:
  - Fahimeh Palizban and Zohreh Toghraee
- Prerequisites
  - There is no formal prerequisite for this course, however you should spend much more time if you are not familiar with linear algebra, calculus, probability, statistics and programming
- Course website:
  - https://hesmon.github.io/ml/

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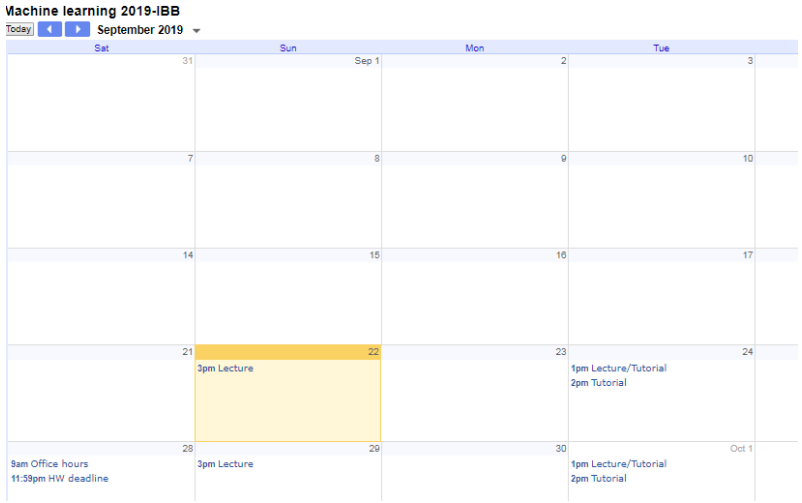
- Lectures and tutorials on Sundays 15-17 and Tuesdays 13-15.
- Optional recitation hours, if necessary, will be announced based on the topic.
- My office hours:
  - Saturday 9:00-11:00
- Google calendar



- There is not a single textbook for this course. Necessary readings will be posted online.

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Grading

- Weekly problem sets:
  - Review questions: 2 points
  - Remaining questions: 5 points

- Final project: 3 points
  - Max two students per group
  - Solve a substantial bioinformatics problem using ML
  - Deadlines: Mehr 13, 1398: form your group, Aban 2, 1398: One-page proposal, Bahman 4, 1398: final report, Bahman 5, 1398: presentation

- Final exam: 10 points

- Scribes: 0.5 points (optional)
  - You need to write your notes in your words in English.
  - You should add detailed derivations and additional explanations if necessary.
  - Depending on the topic you have to scribe around 3 sessions.
  - You have to use latex for typesetting.
  - This option is only available for students whose solutions have at least a certain quality.

Weekly problem sets

- Questions include
  - Review questions
  - Math or conceptual questions
  - Programming

- Review and math questions you will have to do it alone.
  - You are encouraged to discuss with others but you will have to submit your own version without looking at notes from others.

- For programming questions, you may do it in a group of two with a single submission.

- How do we grad your assignments?
  - You will get two scores for each assignments: one for review questions and one for others.
  - Your assignment either gets 100%, 80% or 0%!
  - You will get 0% if you leave any question or part unanswered in each part. You have to **properly** solve **all** questions **to get a positive grade**.
  - If you get 80% it means you need to resubmit your solutions within two days or you go with 0% option.
  - Beware intentional similarity with other groups or students or online solutions is **a violation of honor code**!
    - Serious consequences.
    - Violations will be reported to the department committee for final decision.

- Zero grade for homeworks submitted more than 3 days after the deadline.

Token system

- Initial tokens:
  - You will get 15 tokens for free in the beginning of the course.
  - 5 extra tokens if you decide to do the programming alone.
    - You need to inform me your decision by Mehr 6, 98. Otherwise I assume you have not formed a group.
  - 5 extra tokens if you decide to do your final project alone.

- How you can use your tokens?
  - You may use it for late submissions
    - 1 token per late day
    - 3 tokens if you do not submit after three days.
    - It is applicable to deadlines of review questions, homeworks and proposal for your final project.
    - Late submission of the final project simply means zero score.

  - You may save your tokens for extra scores
    - Each token is worth of 0.1 point of your final grade.
  - In extremely rare cases, you may end up with negative tokens.

- Deadlines are tight but we will not change any deadline
  - Use your tokens if necessary.

keep up the good work!