

Course Logistics and Information

Machine Learning



Basic information

Course website:

<http://svivek.com/teaching/machine-learning>

Discussion forum: Canvas (link on course website)

Class will be videotaped and streamed live for the big data certificate program

Lectures will be posted on the website

We will use Canvas for all managing submissions and grades

People and meetings

- **Lectures:** Tue, Thu 9:10 – 10:30 PM, WEB L101
- **Instructor:** Vivek Srikumar
 - Office: 3126 MEB
 - Office hours: Tue 4:00 PM or by appointment
- **Teaching assistants** (*office hours in MEB 3515*)

Amy Eisenmenger Thu 1:30 PM

Giorgi Kvernadze Mon 2:00 PM

Mattia Medina-Grespan Mon 1:00 PM

Communication with staff

- Use the discussion board and Canvas as primary forms of communication
 - Except, of course, for confidential/personal stuff
 - Email turnaround time may be longer. **Please prefix any emails with the class number!**
- Look for announcements on Canvas

How will you learn?

See details on class website

- Pre-requisites
 - Basic probability theory and statistics
 - Linear algebra
 - CS skills to be able to reason about algorithms and implement them
- No required text book, class is self contained
 - Any required material will be made available
 - Lectures will be posted on class website
 - A growing collection of resources (linear algebra, probability) on the website
- Grading
 - Homeworks + quizzes (36%)
 - Midterm exam (20%)
 - Final exam (20%)
 - Final project (24%)

Homeworks

See details on class website

- Five-six homeworks in all. Roughly one every 2-3 weeks
 - Graduate students may have extra questions
- May involve a programming component
 - Your code must run on the CADE machines
 - We strongly prefer Python (but will allow a small set of other languages)
- **Only** digital submissions on Canvas will be accepted
- **Late policy**
 - Assignments accepted up to 24 hours after deadline with a 10% penalty
 - i.e a 90 will become $90 - 9 = 81$
 - Will not be accepted after that

Projects See details on class website

- **Goal:** To show (yourself, me and everyone) what you have learned
 - Use ideas you see in the lectures and homeworks, make it interesting both to you and me
- Two possible options
 - **Competitive project:** Work **individually** on a dataset that we provide, common leaderboard on Kaggle (most people will choose this)
 - **Exploratory project:** Work on groups of at most two students on a project topic of your choice
- Several milestones for projects
 - See class website for more information
 - Important milestone coming up: Decide on project type and group (if necessary) by Sep 12

Class policies

See details on class website



- [School of Computing policies](#)
 - This class operates under the school of computing and the college of engineering policies
- [Collaboration and cheating](#)
 - Collaboration is strongly encouraged, cheating will not be tolerated
 - The School of Computing policy on academic misconduct. See link on the website
 - Acknowledge sources and discussions
 - **Your submissions (homeworks, text, code, proofs, etc) should be your own. Group submissions not allowed.**

Class policies

See details on class website



- Accessibility and accommodation
 - If you need any assistance, please contact me as soon as possible
 - Will process via the university's Center for Disability Services
 - <https://disability.utah.edu>
- Additional policies and information on class website
 - Safety: <https://safeu.utah.edu>
 - No harassment/discrimination on any basis
 - Wellness and health consultation: <https://wellness.utah.edu>

Who are you?

- Class survey available on Canvas
- You can answer it or any part of it if you want
- **Goal:** To help me design the lectures for you

Announcements

- Quiz 0 will be available on canvas later today
 - Due in one week
 - For you to refresh your memory about prerequisites
- **The class is oversubscribed.** If you are unable to register for the class, please attend the first couple of lectures as if you were registered
 - Several students on the waiting list. As space opens up, I will give out permission codes.
- Please fill up the survey on canvas