9.520/6.860: Statistical Learning Theory and Applications

Class: Mon., Wed. 1:00 - 2:30 pm, 46-3310 (PILM Seminar Room)
Office Hours: Friday 1:00 pm - 2:00 pm, 46-5156 (Poggio lab lounge) and/or 46-5165 (MIBR Reading Room)


Contact: 9.520@mit.edu

Mailing list: 9.520students@mit.edu

- 9.520/6.860 will use Stellar
- Mailing list and web (announcements) for updates
Material

Slides— will be posted (for most lectures)

Videos— check CBMM

Notes—

L. Rosasco and T. Poggio, Machine Learning: a Regularization Approach, MIT-9.520 Lectures Notes, Manuscript, Dec. 2016 (will be provided)

For feedback on book (typos, errors, ...)

https://goo.gl/forms/pQcewnsAV3lCNoyr1
Grading policies

● **Problem sets (0.6)**
  ○ 6 problem sets (0.10 each)
  ○ See next slide for more details
● **Project (0.3)**
  ○ See later
● **Participation (0.1)**
  ○ *Attending class lectures is required!*
  ○ Sign-in sheet will be circulated 5 (random) times
Problem sets

- Problem sets (0.6)
  - 6 problem sets (0.10 each)
    - 2 - 3 questions (demonstrations/exercises + short MATLAB)
    - 7 days due!
  - typeset in LaTeX (template provided)
  - online submission by due date; printed submission in next class
- Late policy
  - All students have 4 free late days (to be used on psets and project proposal)
  - You may use up to 2 late days per assignment with no penalty
  - Beyond this, we will deduct a late penalty of 50% of the grade per additional late day

Dates (due times are 11:59 pm). Submission online (dbox link).


Collaboration policy: You may discuss with others but need to work out your own solution.
Projects

A) Theory
B) Algorithms
C) Application
   ○ This is not a data science course, so we will not consider data preparation as contributing to the grade.
D) Coding
E) Wikipedia

● report (NIPS format): 4 pages (+ Appendix), 6 pages max
OR
● poster session (last week of classes)

Dates

● Abstract and title: Oct. 31
● Feedback and approval: Nov. 7
● Poster and revised abstract submission: Dec. 10
● Poster presentations: Dec. 12
● Report submission: Dec. 12