Comp 135: Introduction to Machine Learning

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Discussion: why do you want to learn machine learning

What do you expect

• This course introduces basic principles and techniques in machine learning
• For machine learning researchers:
  • Need to learn more, e.g. Deep Learning (Comp 150) and Statistical Pattern Recognition (Comp 136) at Tufts
• For future data scientists
  • Some sense for your future interview questions
  • Some hand-on experience – you need more!

What do you expect

• For researchers in other areas
  • The ability of solving basic machine learning problems
  • Not enough for interdisciplinary research
• For students without an explicit purpose
  • More demanding than just satisfying your curiosity

A mind-changing process

• This course is a little strange in the CS department
  • Not much data structures
  • A lot more of math
  • A little “softer” than other course – harder to debug
• Mindsets that might help
  • Think in vectors and matrices
  • Put yourself in the real situation

Logistics

• Always use piazza to communicate with me and TAs
  • We will response your message within 24 hours.
• Course webpage has
  • Logistic items
  • Syllabus
  • The link to the text book (and other books)
  • A tentative schedule
Office hours

• Liping Liu: W 2-3pm, Th 2-3pm (Away on 09/13) at Halligan 234
• TAs (they will announce the locations of their office hours)
  Sara: M 1-3pm
  Minh: W 6-8pm
  Manh: Th 6-8pm
  Duc: F 6-8pm