#STATISTICAL MACHINE LEARNING

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Pre-req -
- Probability
- Linear Algebra
- Algorithms
- programming.

H/W ~ 30% (10% each x3)
Two midterms (40%)
final Project (30%)

Project :-
- Open ended project
- ~5 students/group
- project proposal (10%)
  - Report (10%)
  - presentation (10%)

→ Exp results,
problems,
what R u going to solve?

Grade Appealing ⇒ One week from posting
grades.

Textbook - Pattern Recognition & ML, christpher M Bishop
2006

- learn about expection & variance.
- Derivatives, partial derivatives
- Hessian Matrix
- Maximum likelyhood estimation
- see blogs from towards datascience.
- Vector spaces! L_1, L_2, L_∞, review
- sets, covex, closed, set
  eucludian distance, hyperplane,