Background Required
Basic knowledge of Linear Algebra and Probabily Theory

Course Description
We will cover all basic machine learning methods:
- Linear regression, logistic regression
- Basic Baysian methods
- Gradient Descent, Exponentiated Gradient algorithm, online versus batch methods
- Neural nets
- Support Vector Machines & Kernel methods
- Boosting
- Random Forests
- EM
- Online learning
- Visualization (TSNE, LargeVis, TriMap) & Clustering

Evaluation Criteria - Still preliminary
Theoretical homeworks 30%, programming homeworks 35% and project 35%

Academic Honesty
Theoretical homeworks: on your own.
Programming homeworks: up to 3 in a group.
Projects: 3-4 in a group

Communication
Our main mode of communication will be via the class web page and Piazza.
Sorry - No incompletes for a class of this size! No cell phone usage during class!