

Summary: Main topics

- Supervised Learning $(x^{(i)}, y^{(i)})$
 - Linear regression, logistic regression, neural networks, SVMs
- Unsupervised Learning $x^{(i)}$
 - K-means, PCA, Anomaly detection
- Special applications/special topics
 - Recommender systems, large scale machine learning.
- Advice on building a machine learning system
 - Bias/variance, regularization; deciding what to work on next: evaluation of learning algorithms, learning curves, error analysis, ceiling analysis.