Summary: Main topics

$$(x^{(i)}, y^{(i)})$$

→ Supervised Learning
- Linear regression, logistic regression, neural networks, SVMs

$$x^{(i)}$$

→ Unsupervised Learning
- 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.

Machine Learning

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