Supervised Learning
- Threading things together -

Recitation by Yang Xu
Supervised Learning

MARGIN
- support vector machine

ROBUST
- boosting

INTUITIVE
- decision tree

MEMORY
- k-nearest neighbor

ART
- neural network

f (X) -> L
- (discrete)

classification

NAIVE
- naive Bayes

f (X) -> Y
- (continuous)

regression

logistic regression

General interpretability

Assumption level
Bayesian learning -> Bayes rule -> Bayes rules! 😊
A bit more on Bayesian learning
STAY TUNED, CLASS...

Unsupervised learning

Reinforcement learning

Semi-supervised learning

Active learning

Supervised learning

Human learning

Generality vs. interpretability

Margin: Support Vector Machine

Robust: Boosting

Intuitive: Decision Tree

Memory: K-nearest neighbor

Art: Neural network

Naive Bayes

f(X) -> L (discrete)

Classification

Regression

f(X) -> Y (continuous)