

Meeting 1

- Exploratory data analysis
- Decision Trees
- Fundamentals of learning
- Probabilistic classifiers

Read
lecture
notes
ahead of
time

Assign. 0

Meeting 2

- Non-Parametric models
- Ensemble methods
- Clustering
- Density-based clustering
- Hierarchical clustering
- Similar items

Assign. 1

Meeting 3

- Least Squares
- Normal equations
- Numerical optimization
- Gradient descent
- Nonlinear regression

Assign. #2

Meeting 4

- Feature selection
- Regularization 1 & 2
- Linear classifiers 1 & 2
- Kernel Tricks
- Stochastic gradient

Assign. #3

Work until Dec. 10th to
finish course? Assign. 4 & 5