Course Schedule

Help

Week 1 (available March 3)

- Introduction
- Linear Regression with One Variable
- (Optional) Linear Algebra Review

Due Sunday, March 23 at 23:59 PM PDT

- Review Questions (for the week's topics)

Week 2 (available March 3)

- Linear Regression with Multiple Variables
- Octave Tutorial

Due Sunday, March 30 at 23:59 PM PDT

- Review Questions (for the week's topics)
- Programming Exercise 1
  (Linear regression)

Week 3 (available March 24)

- Logistic Regression
- Regularization

Due Sunday, April 6 at 23:59 PM PDT

- Review Questions (for the week's topics)
- Programming Exercise 2
  (Logistic regression)

Week 4 (available March 31)

- Neural Networks: Representation

Due Sunday, April 13 at 23:59 PM PDT

- Review Questions (for the week's topics)
- Programming Exercise 3
  (Multi-class classification and neural networks)

Week 5 (available April 7)

- Neural Networks: Learning

Due Sunday, April 20 at 23:59 PM PDT

- Review Questions (for the week's topics)
- Programming Exercise
  (Neural network learning)

Week 6 (available April 14)

- Advice for Applying Machine Learning
- Machine Learning System Design

Due Sunday, April 27 at 23:59 PM PDT

- Review Questions (for the week's topics)
- Programming Exercise (Bias-variance)

Week 7 (available April 21)

- Support Vector Machines (SVMs)

Due Sunday, May 4 at 23:59 PM PDT

- Review Questions (for the week's topics)
- Programming Exercise (SVMs)

Week 8 (available April 28)

- Clustering
- Dimensionality Reduction

Due Sunday, May 11 at 23:59 PM PDT

- Review Questions (for the week's topics)
- Programming Exercise (K-Means and PCA)

Week 9 (available May 5)

- Anomaly Detection
- Recommender Systems

Due Sunday, May 18 at 23:59 PM PDT

- Review Questions (for the week's topics)
- Programming Exercise
  (Anomaly Detection and Recommender Systems)

Week 10

- Large-Scale Machine Learning
- Example of an application of machine learning

Due Sunday, May 25 at 23:59 PM PDT

- Review Questions (for the week's topics)

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