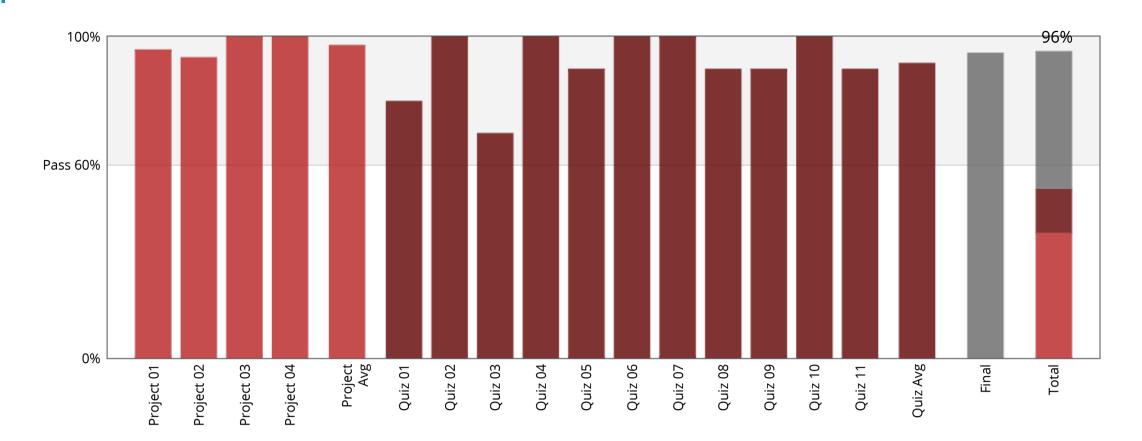




#### Your enrollment: Audit track

You are enrolled in the audit track for this course. The audit track does not include a certificate.



Machine Learning Course: Getting Started

#### **Course Outline**

No problem scores in this section

# **Course Information and Support**

No problem scores in this section

### **Recommended Readings**

No problem scores in this section

# **Pre-Course Survey**

No problem scores in this section

Week 1

### Lecture 1 Course Overview and Maximum Likelihood

No problem scores in this section  $% \left( 1\right) =\left( 1\right) \left( 1\right$ 

### **Lecture 2 Linear Regression and Least Squares**

No problem scores in this section

### Week 1 Quiz (8/10) 80%

Quiz *due Apr 11, 2017 05:00 IST* 

**Problem Scores:** 1/1 1/1 1/1 1/1 0/1 1/1 1/1 1/1 1/2

# Week 1 Discussion Questions

No problem scores in this section

Week 2

### Lecture 3 Least Squares Regression (cont'd), Ridge Regression

No problem scores in this section

# Lecture 4 Bias-Variance, Bayes Rule and MAP Inference

No problem scores in this section

Week 2 Quiz (10/10) 100%

Quiz due Apr 11, 2017 05:00 IST

**Problem Scores:** 1/1 1/1 1/1 1/1 1/1 1/1 2/2 2/2

### Week 2 Discussion Questions

No problem scores in this section

Week 3

## Lecture 5 Bayesian Linear Regression

No problem scores in this section

#### **Lecture 6 Sparse Linear Regression**

No problem scores in this section

**Week 3 Quiz** (7/10) 70%

Quiz due Apr 11, 2017 05:00 IST

Problem Scores: 1/1 0/1 2/2 1/1 0/1 0/1 1/1 1/1

### Week 3 Project: Linear Regression (24/25) 96%

Project *due Apr 11, 2017 05:00 IST*Problem Scores: 24/25

### Week 3 Discussion Questions

No problem scores in this section

#### Week 4

## **Lecture 7 Nearest Neighbors and Bayes Classifiers**

No problem scores in this section

### Lecture 8 Linear Classifiers and Perceptron

No problem scores in this section

Week 4 Quiz (10/10) 100%

Quiz due Apr 11, 2017 05:00 IST

1/1

### **Week 4 Discussion Question**

No problem scores in this section

#### Week 5

### Lecture 9 Logistic Regression and Laplace Approximation

No problem scores in this section

### **Lecture 10 Kernel Methods and Gaussian Processes**

No problem scores in this section

**Week 5 Quiz** (9/10) 90%

Quiz *due Apr 11, 2017 05:00 IST* 

 Problem Scores:
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### **Week 5 Discussion Questions**

No problem scores in this section

## Week 6

# Lecture 11 Maximum Margin Classifiers and the SVM

No problem scores in this section

### **Lecture 12 Decision Trees**

No problem scores in this section

Week 6 Quiz (10/10) 100%

Quiz *due Apr 11, 2017 05:00 IST* 

**Problem Scores:** 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 2/2

### Week 6 Project: Classification (23.4/25) 94%

Project *due Apr 11, 2017 05:00 IST*Problem Scores: 23.4/25

### Week 6 Discussion Questions

No problem scores in this section

# Week 7

**Lecture 13 Boosting** 

No problem scores in this section

Lecture 14 Clustering and K-means

No problem scores in this section

Week 7 Quiz (10/10) 100%

Quiz *due Apr 11, 2017 05:00 IST* 

Problem Scores: 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1

#### Week 7 Discussion Questions

No problem scores in this section

Practice Proctored Exam (4/5) 80%

due Apr 10, 2017 05:00 IST Practice Scores: 4/5

Week 8

Lecture 15 The EM Algorithm for Maximum Likelihood, Missing Data

No problem scores in this section

Lecture 16 Mixture Models, Gaussian Mixtures

No problem scores in this section

Week 8 Quiz (9/10) 90%

Quiz *due Apr 11, 2017 05:00 IST* 

Problem Scores: 1/1 1/1 0/1 1/1 1/1 2/2 1/1 1/1 1/1

Week 8 Discussion Questions

No problem scores in this section

Week 9

Lecture 17 Matrix Factorization, Collaborative Filtering for Recommendation

No problem scores in this section

Lecture 18 Topic Modeling, Non-negative Matrix Factorization

No problem scores in this section

**Week 9 Quiz** (9/10) 90%

Quiz *due Apr 11, 2017 05:00 IST* 

Problem Scores: 0/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1

1/1

Week 9 Project: Clustering (25/25) 100%

Project *due Apr 11, 2017 05:00 IST* 

Problem Scores: 25/25

Week 9 Discussion Questions

No problem scores in this section

Week 10

**Lecture 19 Principal Component Analysis** 

No problem scores in this section

Lecture 20 Markov Models, Ranking and Semi-supervised **Classification Examples** 

No problem scores in this section

Week 10 Quiz (10/10) 100%

Quiz *due Apr 11, 2017 05:00 IST* 

Problem Scores: 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1

1/1

**Week 10 Discussion Questions** 

No problem scores in this section

Week 11

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**Lecture 21 Hidden Markov Models** 

No problem scores in this section

**Lecture 22 Continuous State-space Models** 

No problem scores in this section

**Week 11 Quiz** (9/10) 90%

Quiz *due Apr 11, 2017 05:00 IST* 

Problem Scores: 1/1 0/1 1/1 1/1 1/1 1/1

**Week 11 Discussion Questions** 

No problem scores in this section

Week 12 **Lecture 23 Association Analysis** 

No problem scores in this section

**Lecture 24 Model Selection** 

No problem scores in this section

Week 12 Project: Matrix Factorization (25/25) 100%

Project *due Apr 11, 2017 05:00 IST* Problem Scores: 25/25

Week 12 Discussion Questions

No problem scores in this section

Post-Course Survey **Post-Course Survey** 

No problem scores in this section

Final Exam **Final Exam** (95/100) 95%

Final Exam *due Apr 18, 2017 05:00 IST* 

Problem Scores: 2.5/2.5 2.5/2.5 3.5/3.5 2.5/2.5 2.5/2.5 4/4 2.5/2.5 2.5/2.5 2.5/2.5 0/2.5 4/4 2.5/2.5 2.5/2.5 2.5/2.5 2.5/2.5 2.5/2.5 2.5/2.5 2.5/2.5 2.5/2.5 4/4 2.5/2.5 2.5/2.5 2.5/2.5 2.5/2.5 2.5/2.5 2.5/2.5 2.5/2.5 2.5/2.5

2.5/2.5 4/4 2.5/2.5 0/2.5 2.5/2.5



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