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# Machine Learning

by Stanford University

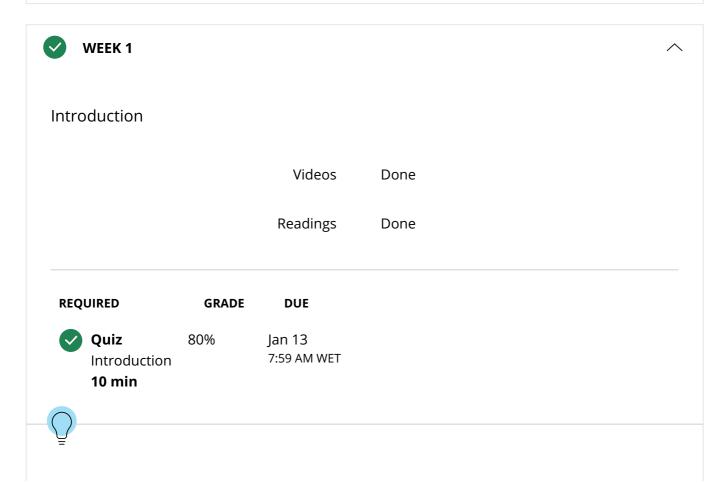
#### WEEK 5

#### **Video: Cost Function**

It'll take about 6 min. After you're done, continue on and try finishing the week ahead of schedule.

6 min

Start





## Linear Regression with One Variable

Videos Done

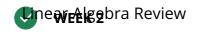
Readings Done

REQUIRED GRADE DUE

**Quiz** 80% Jan 13

Linear Regression with One Va7i59bfeM WET

10 min



Videos 1h left

Linear Regression with Multiple Variables

Readings 24 min left

Videos Done

Practice Exercises 10 min left

Readings Done

Nothing due

REQUIRED GRADE DUE

**Quiz** 80% Jan 20

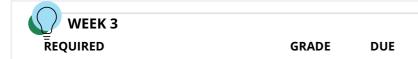
Linear Regression with Multiple 5/2014 Mb/63

10 min

### Octave/Matlab Tutorial

Videos Done

Readings Done



LbggstreRegression

GRADE

DUE



100% Jan 20 Octave/Matlab Tutorial 7:59 AM WET Videos

10 min

Programming Assignment Rediggs **Linear Regression** 

1aP20e 7:59 AM WET

3h

**REQUIRED GRADE** DUE

Quiz

100%

Jan 27

Logistic Regression

7:59 AM WET

10 min

Regularization

Videos

Done

Readings

Done



Neural Networks: Representation

Jan 27

7:59 AM WET

10 min

**Programming Assignment** 

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lan 27e

Logistic Regression

7:59 AM WET

3h Readings Done

**REQUIRED GRADE DUE** 

Quiz

80%

Feb 3

Neural Networks: Representation

7:59 AM WET

10 min WEEK 5

Estimated Time: 4h 52m

Programming Assignment 100%

Feb 3

Multi-class Classification and Neural Netwo 神 AM WET

NeurahNetworks: Learning



1h 11m left Videos



REQUIRED GRADE DUE

(国) **Quiz** Feb 10

Neural Networks: Learning 7:59 AM WET

WEEK 610 min Estimated Time: 6h 7m

Programming Assignment

Neural Network Learning
Advice for Applying Machine Learning
7:59 AM WET

Videos 1h 3m left

Readings 29 min left

REQUIRED GRADE DUE

Quiz Feb 17
Advice for Applying Machine Learning 7:59 AM WET

10 min

(া> Programming Assignment Feb 17
Regularized Linear Regression and Bias/VariafAce WET
3h

Machine Learning System Design

Videos 59 min left

WEEK 7 Estimated Time: 4h 57m

Readings 16 min left

REQUIRED GRADE DUE

**Support Vector Machines** 

Quiz Videos 1h 37m left Feb 17

Machine Learning System Design AM WET

10 min Readings 10 min left

≅ REQUIRED GRADE DUE

**REQUIRED GRADE** DUE coursera Feb 24 🗐 Quiz 7:59 AM WET **WEEK 8**Support Vector Machines

Estimated Time: 5h 26m

Programming Assignment Unsugervised Learning ines

Feb 24 7:59 AM WET

3h

10 min

Videos 39 min left

Readings 10 min left

**REQUIRED** DUE **GRADE** 

Quiz

Mar 2

**Unsupervised Learning** 

10 min

7:59 AM WET

**Dimensionality Reduction** 

1h 7m left Videos

Readings 10 min left

WEEK 9 Estimated Time: 6h 9m

**REQUIRED GRADE** DUE

Mar 2 laly Detection Principal Component Analysis 7:59 AM WET

10 min

**1h 30m left** Mar 2 **Videos Programming Assignment** 7:59 AM WET

K-Means Clustering and PCA 10 min left Readings 3h

**REQUIRED GRADE** DUE

Mar 9 Quiz 6:59 AM WET **Anomaly Detection** 

10 min

Recommender Systems

coursera

Videos 58 min left

Readings 10 min left

WEEK 10 Estimated Time: 1h 23m

REQUIRED GRADE DUE

Quiz Mar 9
Single Scale Machine Learning 6:59 AM WET

10 min

Programming Assignment Videos 1h 3m left Mar 9

Anomaly Detection and Recommender Systems WET

3h Readings 10 min left

REQUIRED GRADE DUE

(国) Quiz Mar 16
WEEK 11 arge Scale Machine Learning 6:59 AM WET Estimated Time: 1h 16m

10 min

10 min

Application Example: Photo OCR

Videos **56 min left** 

Readings 10 min left

REQUIRED GRADE DUE

Mar 23
Do you want to receive emails from **Stanford University**?
Application: Photo OCR

Yes

**X** 

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