

Programming Exercises

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> IV. Linear Regression with Multiple Variables (Week 2)

✓ Linear Regression

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Due Date Sun 30 Mar 2014 11:59 PM PDT
If you submit after the due date (but before the hard deadline), your submission score will be penalized 20%.

Hard Deadline Sun 1 Jun 2014 11:59 PM PDT
If you submit any time after the hard deadline, you will not receive credit.

Part	Name	Last Submission	Score	Feedback
1 / 7	Warm up exercise	Sat 29 Mar 2014 8:31 AM PDT	10.00 / 10	View
2 / 7	Compute cost for one variable	Sat 29 Mar 2014 8:46 AM PDT	40.00 / 40	View
3 / 7	Gradient descent for one variable	Sat 29 Mar 2014 9:13 AM PDT	50.00 / 50	View
4 / 7	Feature normalization (optional)	Sat 29 Mar 2014 9:25 AM PDT	10.00 / 10	View
5 / 7	Compute Cost for Multiple Variables (optional)	Sat 29 Mar 2014 9:33 AM PDT	15.00 / 15	View
6 / 7	Gradient Descent for Multiple Variables (optional)	Sat 29 Mar 2014 9:33 AM PDT	15.00 / 15	View
7 / 7	Normal Equations (optional)	Sat 29 Mar 2014 9:42 AM PDT	10.00 / 10	View
Total Score		150 / 100		

> VII. Regularization (Week 3)

✓ Logistic Regression

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Due Date Sun 6 Apr 2014 11:59 PM PDT
If you submit after the due date (but before the hard deadline), your submission score will be penalized 20%.

Hard Deadline Sun 1 Jun 2014 11:59 PM PDT
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Part	Name	Last Submission	Score	Feedback
1 / 6	Sigmoid Function	Sat 5 Apr 2014 4:34 AM PDT	5.00 / 5	View
2 / 6	Compute cost for logistic regression	Sat 5 Apr 2014 4:46 AM PDT	30.00 / 30	View
3 / 6	Gradient for logistic regression	Sat 5 Apr 2014 4:46 AM PDT	30.00 / 30	View
4 / 6	Predict Function	Sat 5 Apr 2014 4:57 AM PDT	5.00 / 5	View
5 / 6	Compute cost for regularized LR	Sat 5 Apr 2014 5:17 AM PDT	15.00 / 15	View
6 / 6	Gradient for regularized LR	Sat 5 Apr 2014 5:11 AM PDT	15.00 / 15	View
Total Score		100 / 100		

> VIII. Neural Networks: Representation (Week 4)

✓ Multi-class Classification and Neural Networks

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Due Date Sun 13 Apr 2014 11:59 PM PDT
If you submit after the due date (but before the hard deadline), your submission score will be penalized 20%.

Hard Deadline Sun 1 Jun 2014 11:59 PM PDT
If you submit any time after the hard deadline, you will not receive credit.

Part	Name	Last Submission	Score	Feedback
1 / 4	Regularized Logistic Regression	Sat 12 Apr 2014 10:31 AM PDT	30.00 / 30	View
2 / 4	One-vs-all classifier training	Sat 12 Apr 2014 10:40 AM PDT	20.00 / 20	View
3 / 4	One-vs-all classifier prediction	Sat 12 Apr 2014 11:24 AM PDT	20.00 / 20	View
4 / 4	Neural Network Prediction Function	Sun 13 Apr 2014 12:48 AM PDT	30.00 / 30	View
Total Score		100 / 100		

➤ IX. Neural Networks: Learning (Week 5)

✓ Neural Network Learning

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Due Date Sun 20 Apr 2014 11:59 PM PDT
If you submit after the due date (but before the hard deadline), your submission score will be penalized 20%.

Hard Deadline Sun 1 Jun 2014 11:59 PM PDT
If you submit any time after the hard deadline, you will not receive credit.

Part	Name	Last Submission	Score	Feedback
1 / 5	Feedforward and Cost Function	Sun 20 Apr 2014 3:26 AM PDT	30.00 / 30	View
2 / 5	Regularized Cost Function	Sun 20 Apr 2014 4:44 AM PDT	15.00 / 15	View
3 / 5	Sigmoid gradient	Sun 20 Apr 2014 3:40 AM PDT	5.00 / 5	View
4 / 5	Neural Net Gradient Function (Backpropagation)	Sun 20 Apr 2014 8:46 AM PDT	40.00 / 40	View
5 / 5	Regularized Gradient	Sun 20 Apr 2014 5:39 AM PDT	10.00 / 10	View
Total Score		100 / 100		

➤ X. Advice for Applying Machine Learning (Week 6)



Regularized Linear Regression and Bias/Variance

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Due Date

Sun 27 Apr 2014 11:59 PM PDT

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Hard Deadline

Sun 1 Jun 2014 11:59 PM PDT

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Part	Name	Last Submission	Score	Feedback
1 / 5	Regularized Linear Regression Cost Function	Sat 26 Apr 2014 8:55 AM PDT	25.00 / 25	View
2 / 5	Regularized Linear Regression Gradient	Sat 26 Apr 2014 9:00 AM PDT	25.00 / 25	View
3 / 5	Learning Curve	Sat 26 Apr 2014 9:27 AM PDT	20.00 / 20	View
4 / 5	Polynomial Feature Mapping	Sat 26 Apr 2014 9:34 AM PDT	10.00 / 10	View
5 / 5	Cross Validation Curve	Sat 26 Apr 2014 10:10 AM PDT	20.00 / 20	View
Total Score		100 / 100		

> XII. Support Vector Machines (Week 7)



Support Vector Machines

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Due Date

Sun 4 May 2014 11:59 PM PDT

If you submit after the due date (but before the hard deadline), your submission score will be penalized 20%.

Hard Deadline

Sun 1 Jun 2014 11:59 PM PDT

If you submit any time after the hard deadline, you will not receive credit.

Part	Name	Last Submission	Score	Feedback
1 / 4	Gaussian Kernel	Sat 3 May 2014 1:59 AM PDT	25.00 / 25	View

2 / 4	Parameters (C, sigma) for Dataset 3	Sat 3 May 2014 2:36 AM PDT	25.00 / 25	View
3 / 4	Email Preprocessing	Sat 3 May 2014 3:02 AM PDT	25.00 / 25	View
4 / 4	Email Feature Extraction	Sat 3 May 2014 3:14 AM PDT	25.00 / 25	View
Total Score		100 / 100		

> XIV. Dimensionality Reduction (Week 8)

✓ K-Means Clustering and PCA

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Due Date

Sun 11 May 2014 11:59 PM PDT

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Hard Deadline

Sun 1 Jun 2014 11:59 PM PDT

If you submit any time after the hard deadline, you will not receive credit.

Part	Name	Last Submission	Score	Feedback
1 / 5	Find Closest Centroids	Fri 9 May 2014 10:27 AM PDT	30.00 / 30	View
2 / 5	Compute Centroid Means	Fri 9 May 2014 10:34 AM PDT	30.00 / 30	View
3 / 5	PCA	Fri 9 May 2014 11:15 AM PDT	20.00 / 20	View
4 / 5	Project Data	Fri 9 May 2014 12:03 PM PDT	10.00 / 10	View
5 / 5	Recover Data	Fri 9 May 2014 12:02 PM PDT	10.00 / 10	View
Total Score		100 / 100		

> XVI. Recommender Systems (Week 9)

✓ Anomaly Detection and Recommender Systems

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Due Date

Sun 18 May 2014 11:59 PM PDT

If you submit after the due date (but before the hard deadline), your submission score will be penalized 20%.

Hard Deadline

Sun 1 Jun 2014 11:59 PM PDT

If you submit any time after the hard deadline, you will not receive credit.

Part	Name	Last Submission	Score	Feedback	
1 / 6	Estimate Gaussian Parameters	Sun 11 May 2014 2:26 AM PDT	15.00 / 15	View	
2 / 6	Select Threshold	Sun 11 May 2014 2:58 AM PDT	15.00 / 15	View	
3 / 6	Collaborative Filtering Cost	Sun 11 May 2014 3:44 AM PDT	20.00 / 20	View	
4 / 6	Collaborative Filtering Gradient	Sun 11 May 2014 3:59 AM PDT	30.00 / 30	View	
5 / 6	Regularized Cost	Sun 11 May 2014 4:04 AM PDT	10.00 / 10	View	
6 / 6	Gradient with regularization	Sun 11 May 2014 4:07 AM PDT	10.00 / 10	View	
Total Score		100 / 100			