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Submission Login hqin@spelman.edu

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IV. Linear Regression with Multiple Variables (Week 2)

Linear Regression

View Instructions

Due Date: Wed 12 Sep 2012 11:59:00 PM PDT

Hard Deadline: Mon 19 Nov 2012 10:59:00 PM PST

Part	Name	Last Submission	Score
1 / 7	Warm up exercise	-	- / 10
2 / 7	Compute cost for one variable	-	- / 40
3 / 7	Gradient descent for one variable	-	- / 50
4 / 7	Feature normalization (optional)	-	- / 10
5 / 7	Compute Cost for Multiple Variables (optional)	-	- / 15
6 / 7	Gradient Descent for Multiple Variables (optional)	-	- / 15
7 / 7	Normal Equations (optional)	-	- / 10
	Total Score		**0 / 100**

VII. Regularization (Week 3)

Logistic Regression

View Instructions

Due Date: Mon 17 Sep 2012 11:59:00 PM PDT
Hard Deadline: Mon 3 Dec 2012 10:59:00 PM PST

Part	Name	Last Submission	Score
1 / 6	Sigmoid Function	-	- / 5
2 / 6	Compute cost for logistic regression	-	- / 30
3 / 6	Gradient for logistic regression	-	- / 30
4 / 6	Predict Function	-	- / 5
5 / 6	Compute cost for regularized LR	-	- / 15
6 / 6	Gradient for regularized LR	-	- / 15
	Total Score		**0 / 100**

VIII. Neural Networks: Representation (Week 4)

Multi-class Classification and Neural Networks

View Instructions

Due Date: Mon 24 Sep 2012 11:59:00 PM PDT
Hard Deadline: Mon 10 Dec 2012 10:59:00 PM PST

Part	Name	Last Submission	Score
1 / 4	Regularied Logistic Regression	-	- / 30
2 / 4	One-vs-all classifier training	-	- / 20
3 / 4	One-vs-all classifier prediction	-	- / 20
4 / 4	Neural Network Prediction Function	-	- / 30
	Total Score		**0 / 100**

IX. Neural Networks: Learning (Week 5)

Neural Network Learning

View Instructions

Due Date: Mon 1 Oct 2012 11:59:00 PM PDT
Hard Deadline: Wed 28 Nov 2012 10:59:00 PM PST

Part	Name	Last Submission	Score
1 / 5	Feedforward and Cost Function	-	- / 30
2 / 5	Regularized Cost Function	-	- / 15
3 / 5	Sigmoid gradient	-	- / 5
4 / 5	Neural Net Gradient Function (Backpropagation)	-	- / 40
5 / 5	Regularized Gradient	-	- / 10
	Total Score		**0 / 100**

X. Advice for Applying Machine Learning (Week 6)

Regularized Linear Regression and Bias/Variance

View Instructions

Due Date: Mon 8 Oct 2012 11:59:00 PM PDT
Hard Deadline: Wed 28 Nov 2012 10:59:00 PM PST

Part	Name	Last Submission	Score
1 / 5	Regularized Linear Regression Cost Function	-	- / 25
2 / 5	Regularized Linear Regression Gradient	-	- / 25
3 / 5	Learning Curve	-	- / 20
4 / 5	Polynomial Feature Mapping	-	- / 10
5 / 5	Cross Validation Curve	-	- / 20
	Total Score		**0 / 100**

XII. Support Vector Machines (Week 7)

Support Vector Machines

View Instructions

Due Date: Mon 15 Oct 2012 11:59:00 PM PDT
Hard Deadline: Wed 28 Nov 2012 10:59:00 PM PST

Part	Name	Last Submission	Score
1 / 4	Gaussian Kernel	-	- / 25
2 / 4	Parameters (C, sigma) for Dataset 3	-	- / 25
3 / 4	Email Preprocessing	-	- / 25
4 / 4	Email Feature Extraction	-	- / 25
	Total Score		**0 / 100**

XIV. Dimensionality Reduction (Week 8)

K-Means Clustering and PCA

View Instructions

Due Date: Mon 22 Oct 2012 11:59:00 PM PDT
Hard Deadline: Wed 28 Nov 2012 10:59:00 PM PST

Part	Name	Last Submission	Score
1 / 5	Find Closest Centroids	-	- / 30
2 / 5	Compute Centroid Means	-	- / 30
3 / 5	PCA	-	- / 20
4 / 5	Project Data	-	- / 10
5 / 5	Recover Data	-	- / 10
	Total Score		**0 / 100**

XVI. Recommender Systems (Week 9)

Anomaly Detection and Recommender Systems

View Instructions

Due Date: Mon 29 Oct 2012 11:59:00 PM PDT
Hard Deadline: Wed 28 Nov 2012 10:59:00 PM PST

Part	Name	Last Submission	Score
1 / 6	Estimate Gaussian Parameters	-	- / 15
2 / 6	Select Threshold	-	- / 15
3 / 6	Collaborative Filtering Cost	-	- / 20
4 / 6	Collaborative Filtering Gradient	-	- / 30
5 / 6	Regularized Cost	-	- / 10
6 / 6	Gradient with regularization	-	- / 10
	Total Score		**0 / 100**