Course Progress for 'ataboadanunez' (alvaro.taboada.nunez@gmail.com)

Audit Access Expires May 17, 2023

You lose all access to this course, including your progress, on May 17, 2023.

Your enrollment: Audit track

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

Course Overview

Course Overview, Calendar, and Grading Policy

No problem scores in this section

Discussion Forum and Collaboration Guidelines

No problem scores in this section

Homework mechanics and standard notation

Practice Scores: 0/0 0/0 0/0 0/0 0/0 0/0

Micromasters, Certification, and Honor Pledge

No problem scores in this section

Entrance Survey

Entrance survey

No problem scores in this section

Unit 0. Brief Prerequisite Reviews, Homework 0, and Project 0

Brief Review of Vectors, Planes, and Optimization

No problem scores in this section

Homework 0 (59.5/69) 86%

Homework0 *due Feb 8, 2023 08:59 -03*

Problem Scores:	4/4	2/2	3.5/4		
3/3	1/1	1/1	2/2	1/1	0/1
1/1	1/1	2/4	0/1	3/4	2/2
1/1	1/1	1/1	0/1	1/1	4/4
3/4	1/1	1/1	2/3	1/1	0/1
1/1	1/1	1/1	6/6	1/1	4/4
0/0	0/0	0/0	0/0	0/0	2/2
1/1	0/0	0/0	0/0	0/0	0/0

Project 0 Setup, Numpy Exercises, Tutorial on Common Packages (7/7) 100%

Project0 *due Feb 15, 2023 08:59 -03*

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

Unit 1. Linear Classifiers and Generalizations (2 weeks)

Lecture 1. Introduction to Machine Learning (11/11) 100%

Exercises *due Feb 15, 2023 08:59 -03*

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

Lecture 2. Linear Classifier and Perceptron (18/18) 100%

Exercises *due Feb 15, 2023 08:59 -03*

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

Lecture 3 Hinge loss, Margin boundaries and Regularization (10/12) 83%

Exercises *due Feb 15, 2023 08:59 -03*

Problem Scores: 1/1 1/1 0/1 3/3 4/4 1/1 0/1

Lecture 4. Linear Classification and Generalization (9/11) 82%

Exercises *due Feb 22, 2023 08:59 -03*

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

Homework 1 (3/40) 8%

Homework *due Feb 22, 2023 08:59 -03*

Problem Scores: 1/4 0/1 0/4 0/1 0/0 0/0 0/2 0/2 0/2

0/1 0/0 0/0 0/2 0/2 0/3
2/2 0/2 0/1 0/2 0/1 0/2
0/1 0/1 0/2 0/1 0/1 0/1
0/1 0/3 0/1 0/1

Project 1: Automatic Review Analyzer (34.8/39) 89%

Project *due Mar 1, 2023 08:59 -03*

Problem Scores: 1/1 1/1 0.8/1
1/1 1/1 1/1 1/1 6/6 1/1
1/1 1/1 2/3 6/7 1/1 10/10
0/1 0/1

Recitation 1: Tuning the Regularization Hyperparameter by Cross Validation and a Demonstration

No problem scores in this section

Unit 2. Nonlinear Classification, Linear regression, Collaborative Filtering (2 weeks)

Lecture 5. Linear Regression (7/9) 78%

Exercises *due Mar 8, 2023 08:59 -03*

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

Lecture 6. Nonlinear Classification (11/13) 85%

Exercises *due Mar 8, 2023 08:59 -03*

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

Lecture 7. Recommender Systems (7/9) 78%

Exercises *due Mar 8, 2023 08:59 -03*

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

Homework 2 (19.7/25) 79%

Homework *due Mar 8, 2023 08:59 -03*

Problem Scores: 1/1 2/2 0/1 1/1 1/1 1/1 1/1 1/2 0.667/1 0/1 2/2 5/5 2/2 2/2 0/2

Project 2: Digit recognition (Part 1) (59.3/74) 80%

Project *due Mar 15, 2023 08:59 -03*

Problem Scores: 5/5 1/1 0/1 5/5 5/5 0/5 5/5 5/5 5/5 3.33/5 5/5 1/1 1/1 2/2 3/3 3/3 1/1 3/3 3/3 1/1 1/1 0/3 1/1 0/1 0/1 0/1 0/1

Unit 3. Neural networks (2.5 weeks)

Lecture 8. Introduction to Feedforward Neural Networks (11/14) 79%

Exercises *due Mar 29, 2023 08:59 -03*

Problem Scores: 1/2 2/2 2/2 3/3 1/2 1/1 0/1 1/1

Lecture 9. Feedforward Neural Networks, Back Propagation, and Stochastic Gradient Descent (SGD) (5/5) 100%

Exercises *due Mar 29, 2023 08:59 -03*

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

Lecture 10. Recurrent Neural Networks 1 (13/18) 72%

Exercises *due Mar 29, 2023 08:59 -03*

Problem Scores: 1/1 0/1 1/1 1/3 1/1 5/6 0/1 1/1 1/1 1/1 1/1

Lecture 11. Recurrent Neural Networks 2 (0/18) 0%

Exercises *due Mar 29, 2023 08:59 -03*

Problem Scores: 0/1 0/2 0/1 0/2 0/1 0/3 0/3 0/3 0/1 0/1

Homework 3 (20/26) 77%

Homework *due Mar 29, 2023 08:59 -03*

Problem Scores: 2/2 0/1 3/3 3/3 0/1 0/1 0/1 1/2 2/2 4/4 4/4 1/1 0/1

Lecture 12. Convolutional Neural Networks (6/11) 55%

Exercises *due Apr 5, 2023 08:59 -03*

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

Project 3: Digit recognition (Part 2) (28/34) 82%

Project *due Apr 5, 2023 08:59 -03*

Problem Scores: 2/2 2/2 5/5 5/5 1/1 1/1 1/1 5/5 3/3 3/3 0/0 0/5 0/1

Midterm Exam (1 week)

Honor Code Pledge

due Apr 10, 2023 08:59 -03

Practice Scores: 0/0

Midterm Exam 1 (0/38) 0%

Midterm *due Apr 10, 2023 08:59 -03*

Problem Scores: 0/2 0/1 0/2 0/1 0/1 0/1 0/1 0/2 0/1 0/1 0/3 0/1 0/1 0/1 0/1 0/1 0/3 0/4 0/2 0/5 0/3

Unit 4. Unsupervised Learning (2 weeks)

Lecture 13. Clustering 1 (21/23) 91%

Exercises *due Apr 19, 2023 08:59 -03*

Problem Scores: 3/3 0/0 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 3/3 2/2 2/3 0/1 1/1 1/1

Lecture 14. Clustering 2 (8/10) 80%

Exercises *due Apr 19, 2023 08:59 -03*

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

Lecture 15. Generative Models (22/24) 92%

Exercises *due Apr 19, 2023 08:59 -03*

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

Lecture 16. Mixture Models; EM algorithm (17/20) 85%

Exercises *due Apr 19, 2023 08:59 -03*

Problem Scores: 0/1 0/1 1/1 1/1 4/4 5/5 2/3 1/1 3/3

Homework 4 (22.7/32) 71%

Homework *due Apr 19, 2023 08:59 -03*

Problem Scores: 0/4 1.67/4 4/4 4/4 1/1 1/1 1/1 0/1 1/1 5/5 3/3 1/1 0/1 0/1

Project 4: Collaborative Filtering via Gaussian Mixtures (9.5/14) 68%

Project *due Apr 26, 2023 08:59 -03*

Problem Scores:	1/1	1/1	1/1	1/1		
1/1	1/1	0/1	0.5/1	1/1	1/1	
1/1	0/1	0/1	0/1			

(Ungraded optional) Sandbox for Project 4: Collaborative Filtering via Gaussian Mixtures (0/14) 0%

Practice Scores:	0/1	0/1	0/1	0/1		
0/1	0/1	0/1	0/1	0/1	0/1	
0/1	0/1	0/1	0/1			

Unit 5. Reinforcement Learning (2 weeks)

Lecture 17. Reinforcement Learning 1 (16/20) 80%

Exercises *due May 3, 2023 08:59 -03*

Problem Scores: 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 2/2 0/1 1/1 1/1 1/1 1/1 1/1 0/3 1/1

Lecture 18. Reinforcement Learning 2 (7/8) 88%

Exercises *due May 3, 2023 08:59 -03*

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

Lecture 19: Applications: Natural Language Processing (8/8) 100%

Exercises *due May 3, 2023 08:59 -03*

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

Homework 5 (36/36) 100%

Homework *due May 3, 2023 08:59 -03*

Problem Scores: 1/1 1/1 1/1 1/1 4/4 3/3 1/1 1/1 6/6 3/3 5/5 3/3 3/3 1/1 1/1 1/1

Project 5: Text-Based Game (11/13) 85%

Project *due May 10, 2023 08:59 -03*

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

Final exam (1 week)

Honor Code Pledge

due May 15, 2023 08:59 -03

Practice Scores: 0/0

Final Exam

Final *due May 15, 2023 08:59 -03*

Problem scores are hidden.

Exit Survey

Exit survey

No problem scores in this section