		Date	Lecture Topics	Note	Deliverables	Class Notes	Slides
Week 1	Lecture 1	6/25/2024	Intro; Linear Regression; Least squares, Gradient Descent		Released: Problem Set 0 NOT GRADED	Section 1 of main notes	Slides (Canvas)
	Lecture 2	6/27/2024	Assessing Performance: Error Metrics, Overfitting, Bias-Variance Tradeoff			Section 8.1 of main notes	Slides (Canvas)
	CA Lecture 1	6/28/2024	Linear Algebra Review		Release: Problem Set 1	Notes	Slides
Week 2	Lecture 3	7/2/2024	Regularization; Ridge Regression; LASSO; Validation Sets, Cross Validation		Problem Set 0 Solutions Released	Section 9.1, 9.3 of main notes	
	Lecture 4	7/4/2024	Holiday.				
	CA Lecture 2	7/5/2024	Probability Review			Notes	
Week 3	Lecture 5	7/9/2024	Linear classifiers; logistic regression; learning from weighted data				
	Lecture 6	7/11/2024	SGD; Generalized Linear Models;				
	CA Lecture 3	7/12/2024	GDA; Naive Bayes; Evaluation Metrics		DUE: Problem Set 1 Released: Problem Set 2		
Week 4	Lecture 7	7/16/2024	Neural Networks I				
	Lecture 8	7/18/2024	Neural Network II				
	CA Lecture 4	Monday: 7/22/2024	Sequence Models (RNNs, LSTMs, ..)	Online CA Lecture on Monday (not Friday). Time: 10 am Pacific.			
Week 5	Lecture 9	7/23/2024	Unsupervised learning; k-means; GMM				
	Lecture 10	7/25/2024	EM for GMM				
	CA Lecture 5	Monday: 7/29/2024	Transformers	Online CA Lecture on Monday (not Friday). Time: 10 am Pacific.	Due: Problem Set 2 Problem Set 3 Released		
Week 6	Lecture 11	7/30/2024	Decision trees; Boosting; AdaBoost				
	Lecture 12	8/1/2024	PCA, SVD				
	CA Lecture 6	8/2/24	AdaBoost; Exam Review				
Week 7	Lecture 13	8/6/2024	Reinforcement Learning 1				
	Lecture 14	8/8/2024	Reinforcement Learning 2				
	CA Lecture 7	8/9/2024	TD Learning; Exam Review		Due: Problem Set 3		
Week 8	Lecture 15	8/13/2024	Conclusion, ML Advice, Fairness; Exam Review				
	Lecture 16	8/15/2024	Exam Review				
	Final Exam	8/17/2024	Final Exam.	7-10pm Pacific. Location TBD			