		Date	Lecture Topics	Deliverables	Notes	Slides
Veek 1	Lecture 1	9/26	Introduction			Download slides here
	Lecture 2	9/28	Supervised learning setup. LMS.		Sections 1.1, 1.2 of main notes	
	TA Lecture 1	9/30/2022	Linear Algebra Review		Notes	Slides
Week 2	Lecture 3	10/3	Weighted Least Squares. Logistic regression. Newton's Method		Sections 1.3, 1.4, 2,1, 2.3 of <u>main notes</u>	
	Lecture 4	10/5	Dataset split; Exponential family. Generalized Linear Models.		Section 2.2 and Chapter 3 of main notes	
		10/5/2022		Problem Set 0 (Due at 11:59 pm PT - Ungraded)		
	TA Lecture 2	10/7/2022	Probability Review		<u>Notes</u>	Slides
		10/8/2022		Final Project Proposal (Due at 11:59 pm PT)		
Week 3	Lecture 5	10/10/2022	Gaussian discriminant analysis. Naive Bayes.		Section 4.1, 4.2 of main notes	
	Lecture 6	10/12/2022	Naive Bayes, Laplace Smoothing.			
		10/13/2022		Problem Set 1 (Due at 11:59 pm PT)		
	TA Lecture 3	10/14/2022	Python/Numpy		jupyter notebook	slides
Week 4	Lecture 7	10/17/2022	Kernels; SVM		Chapter 5	
	Lecture 8	10/19/2022	Neural Networks 1		Sections 7.1, 7.2	
	TA Lecture 4	10/21/2022	Evaluation Metrics			slides
		10/21/2022				
Week 5	Lecture 9	10/24/2022	Neural Networks 2 (backprop)		Section 7.3	
	Lecture 10	10/26/2022	Bias-variance tradeoff, regularization		Sections 8.1, 9.1, 9.3	Bias/variance slides Ridge regression slides Lasso regression slides Bias/variance annotated Ridge annotated
		10/26/2022		Problem Set 2 (Due at 11:59 pm PT)		
	TA Lecture 5	10/28/2022	Midterm Review	Final Project Milestone (Due at 11:59 pm PT)		Slides
Week 6	Lecture 11	10/31/2022	Decision trees		Not in main notes	Boosting slides Decision Trees slides Decision Trees annotated Decision Trees Overfitting Lasso annotated
	Lecture 12	11/2/2022	Boosting		Not in main notes	
		11/3/2022		MIDTERM (Location TBD, 6 pm - 9 pm PT)		
			No TA Lecture (Midterm Week)			
			K-Means. GMM.			K-means slides GMM slides EM slides PCA slides K-means annotated GMM annotated
Week 7	Lecture 13	11/7/2022	Expectation Maximization.			EM annotated PCA annotated
	Lecture 14	11/9/2022	EM, PCA			

		12/14/2022		Final Project Poster Session (3:30 pm - 6:30 pm PT)		
		12/9/2022		Final Project Report (Due at 11:59 pm PT)		
	Lecture 20		fairness, algorithmic bias, explainability, privacy		explainability explainability annotated	
Week 10	Lecture 19		explainability, privacy		fairness annotated privacy	
		12/2/2022	fairness, algorithmic bias,	Problem Set 4 (Due at 11:59 pm PT)	fairness	
	Lecture 18		Model-based RL, value function approximator			
Week 9	Lecture 17	11/28/2022				
	TA Lecture 7	11/18/2022	GANs Basic concepts in RL,			
	Lecture 16	11/16/2022	Large language models & foundation models		Learning + foundation models	
Week 8	Lecture 15	11/14/2022	ML Advice Other learning settings.		ML advice	
		11/12/2022		Problem Set 3 (Due at 11:59 pm PT)		
	TA Lecture 6	11/11/2022	(Convnets)		Slides	