		Data	Lastina Tanias	Deliverables	Notes	Slides		
		Date	Lecture Topics	Deliverables	Notes	Sildes		
Week 1			Introduction					
	TA Lecture 1	9/29/2023	Linear Algebra Review Supervised learning		<u>Notes</u>	Slides		
Week 2	Lecture 2	10/2/2023	setup. LMS.		Sections 1.1, 1.2 of main notes			
1100112	20010102	10/2/2020	Weighted Least Squares.		Sections III, Time of Main Hotel			
			Logistic regression.					
	Lecture 3		Newton's Method		Sections 1.3, 1.4, 2,1, 2.3 of main notes			
		10/4/2023		Problem Set 0 (Due at 11:59 pm PT - Ungraded)				
	TA Lecture 2	10/6/2023	Probability Review		Notes	Slides		
			Dataset split; Exponential family. Generalized					
Week 3	Lecture 4	10/9/2023	Linear Models.		Section 2.2 and Chapter 3 of main notes			
		10/9/2023		Final Project Proposal (Due at 11:59 pm PT)	CS229 Final Project Fall 2022-23			
						Bias/variance slides		
						Ridge regression slides Lasso regression slides		
			Bias-variance tradeoff,			Bias/variance annotated		
	Lecture 5	10/11/2023	regularization		Sections 8.1, 9.1, 9.3	Ridge annotated		
		10/11/2023		Problem Set 1 (Due at 11:59 pm PT)				
	TA Lecture 3	10/13/2023	Python/Numpy		jupyter notebook	slides		
						Boosting slides		
						Decision Trees slides		
						Decision Trees annotated Decision Trees Overfitting		
Week 4	Lecture 6	10/16/2023	Decision trees		Decision trees & ensemble learning	Lasso annotated		
	Lecture 7	10/18/2023	Boosting		Decision trees & ensemble learning			
	TA Lecture 4	10/20/2023	Evaluation Metrics			slides		
			Gaussian discriminant					
Week 5	Lecture 8	10/23/2023	analysis. Naive Bayes.		Section 4.1, 4.2 of main notes			
	Lecture 9	10/25/2023	Kernels; SVM		Chapter 5			
		10/27/2023		Problem Set 2 (Due at 11:59 pm PT)				
	TA Lecture 5	10/27/2023	Midterm Review			Slides		
		10/27/2023		Final Project Milestone (Due at 11:59 pm PT)	CS229 Final Project Fall 2022-23			
						K-means slides		
						EM slides PCA slides		
						<u>- Or olidos</u>		
			K-Means. GMM.			K-means annotated		
Week 6	Lecture 10	10/30/2023	Expectation Maximization.		Section 10, 11 of main notes	EM annotated PCA annotated	GMM slides	GMM annotated
WOOK O		11/1/2023			Coolion 10, 11 of main notes	ML advice	<u>Oww.oudco</u>	<u>Own annotated</u>
	LCGIGIE II	11/3/2023		MIDTERM: HEWLET200 (Last name A-L) & STLC111	(Last name M-7) 6 nm - 9 nm PT	WIE GOVIOO		
		11/3/2023	No TA Lecture (Midterm	mild TENWI. HEWLE 1200 (Last hame A-L) & STECTT	(Last name w-2), 6 pm - 9 pm - 1			
			Week)					
Week 7	Lecture 12	11/6/2023	Neural Networks 1		Sections 7.1, 7.2			
			Neural Networks 2					
	Lecture 13	11/8/2023	· · · · · · · · · · · · · · · · · · ·		Section 7.3			
		11/10/2023		Problem Set 3 (Due at 11:59 pm PT)				
	TA Lecture 6	11/10/2023	Deep Learning (Convnets)			Slides		
	IA Lecture 0	11/10/2023	Basic concepts in RL,			<u>Oliuco</u>		
			value iteration, policy					
Week 8	Lecture 14	11/13/2023						
	Lecture 15	11/15/2023	Model-based RL, value function approximator					
	TA Lecture 7							
	TA Lecture 7	11/11/2023	GAINS					

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Week 9	Lecture 16	11/27/2023							
			Other learning settings.						
	Lecture 17		Large language models & foundation models			Learning + foundation models			
	Lecture 17					Learning + Ioundation models			
		12/1/2023		Problem Set 4 (Due at 11:59 pm PT)					
144 1 40		40/4/0000	fairness, algorithmic bias,			<u>fairness</u>			
Week 10	Lecture 18	12/4/2023	explainability, privacy			fairness annotated			
						privacy			
			faire and almost the said bear			privacy annotated			
	Lecture 19	10/6/2022	fairness, algorithmic bias, explainability, privacy			explainability explainability annotated			
	Lecture 19	12/0/2023	explainability, privacy			explainability annotated			
		12/8/2023		Final Project Report (Due at 11:59 pm PT)	CS229 Final Project Fall 2022-23				
		12/13/2023		Final Project Poster Session (3:30 pm - 6:30 pm PT)					
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Other Resources									
(Hover over each	cell for hyperlin	nks)							
All lecture videos	can be access	ed through C	anvas.						
Advice on applying	a machine lear	nina: Slides f	from Andrew Na's lecture o	on getting machine learning algorithms to work in practice	can be found here.				
	•	•	•	al Projects" doc on the home page.					
					rithms. If you want to soo examples of rec	pont work in machine learning			
Data: Here is the UCI Machine learning repository, which contains a large collection of standard datasets for testing learning algorithms. If you want to see examples of recent work in machine learning, start by taking a look at the conferences NeurIPS (all old NeurIPS papers are online) and ICML. Some other related conferences include UAI, AAAI, IJCAI.									
Viewing PostScrip	ve one.								
Machine learning study guides tailored to CS 229 by Afshine Amidi and Shervine Amidi.									
The Matrix Cookb									