

CS109B SPRING 2019 SCHEDULE

Week	Date	Lecture #	Topics	Instructor	Lab #	Date	Lab Topic	HW#	Assignment	A-sec #	Advanced section topics	A-Section HW
1	1/28	1	Intro + Review of 109A Preview of 109B	PP/MG								
	1/30	2	Smoothing and Additive 1/3	MG	1	1/31	Setting up enviroment		Self-assessment HW0			
2	2/4	3	Smoothing and Additive 2/3	MG								
	2/6	4	Smoothing and GAM 3/3	MG	2	2/7	Smoothing/GAM	1	HW1: Smoothing (due 2/13 midnight)			
3	2/11	5	Feed Forward + Reg + Review from NN fall	PP								
	2/13	6	Optimization of NN (Solvers)	PP	3	2/14	Optimization	2	HW2: Neural Net 1 (due 2/27 midnight)	1	Optimization/Dropout	JZ
4	2/20	7	AWS scalable systems	RD	4	2/21	Setting UP AWS			2	EMD +	JZ
	2/25	8	CNNs-1	PP								
5	2/27	9	CNNs-2	PP	5	2/28	CNNs	3	HW3: CNNs (due 3/6)	3	ConvNets: LeNet, AlexNet, VGG-15, ResNet and Inception +	JZ HW 3
	3/4	10	RNN 1	PP								
6	3/6	11	RNN 2	PP	6	3/7	RNNS	4	HW4: RNNs (due 3/13)	4	LSTN, GRU in NLP +	MM HW 4
7	3/11	12	Unsupervised learning/clustering 1	MG								
	3/13	13	Unsupervised learning/clustering 2	MG	7	3/14	Clusterig	5	HW5: Unsupervised Learning (due 4/3)	5	Neural style transfer learning +	JZ
8	3/25	14	Reinforcement Learning	PP								
	3/27	15	Bayesian 1/3	MG	8	3/28	Bayes 1			6	Deep RL +	SS HW 5
9	4/1	16	Bayesian 2/3	MG								
	4/3	17	Bayesian 3/3	MG	9	4/4	Bayes 2	6	HW6: LDA and Bayes (due 4/10)			HW 6
10	4/8	18	Autoenders	PP								
	4/10	19	Generative Models Varational Autoenders	PP	10	4/11	VAE	7	HW7: VAE+GANS (due 4/23)	7	Variational Inference +	SS
11	4/15	21	GANS 1	PP								
	4/17	22	GANS 2 - Adversarial Networks	PP	11	4/18	GANS		Milestone #1 (due 4/17)	8	GANS +	VK
12	4/22	23	MODULE: LECTURE DOMAIN	MI								
	4/24	24	MODULE: PROBLEM BACKGROUND	MI					Milestone #2 (due 4/27)			
13	4/29	25	MODULE: PROBLEM BACKGROUND	MI								
	5/1	26	PROJECT WORK									
14	5/6		PROJECT WORK									
	5/8		PROJECT WORK									
15	5/13								Milestone #3 (FINAL due 5/12)			
	5/14		FINAL IGNITE TALKS (Note: the Milestone #3 deliverables is due 5/12)						Peer Evaluation (due 5/12)			