

Lecture Schedule for COMP 599 - MATH 597 Fall 2020

Week 0	Lecture 1	Sept 2	Introduction	Adam
Week 1	No Lecture	Sept 7	LABOUR DAY	
	Lecture 1	Sept 9	Concentration inequalities	Adam
Week 2	Lecture 1	Sept 14	The PAC model, the agnostic setting	Prakash
	Lecture 2	Sept 16	VC dimension	Prakash
Week 3	Lecture 1	Sept 21	Sample bounds from VC dimension	Prakash
	Lecture 2	Sept 23	Rademacher complexity	Prakash
Week 4	Lecture 1	Sept 28	Convexity theory	Adam
	Lecture 2	Sept 30	Convex optimization	Adam
Week 5	Lecture 1	Oct 5	SGD theory	Adam
	Lecture 2	Oct 7	SGD numerics	Adam
Week 6	No Lecture	Oct 12	THANKSGIVING	
	Lecture 2	Oct 14	Online learning, regret bounds	Prakash
Week 7	Lecture 1	Oct 19	Online convex optimization	Prakash
	Lecture 2	Oct 21	Support vector machines (SVM)	Adam
Week 8	Lecture 1	Oct 26	Learning bounds for SVM	Adam
	Lecture 2	Oct 28	Regression and Learning bounds	Adam
Week 9	Lecture 1	Nov 2	Multi-class classification	Adam
	Lecture 2	Nov 4	Uncertainty for classification	Adam
Week 10	Lecture 1	Nov 9	RHKS basics	Prakash
	Lecture 2	Nov 11	RHKS learning bounds	Prakash
Week 11	Lecture 1	Nov 16	Metrics between probability distributions	Prakash
	Lecture 2	Nov 18	KR duality	Prakash
Week 12	Lecture 1	Nov 23	Maximum entropy models	Prakash
	Lecture 2	Nov 25	Generative adversarial models	Prakash
Week 13	Lecture 1	Nov 30	Density estimation	Adam
	Lecture 2	Dec 2	Learning bounds kernel density estimators	Adam
	Lecture 3	Dec 3	Farewell	