Data Science
Course Structure
16 January - 2 April 2016

Week	Class #	Day	Date	Topic	Instructor	Start Time	End Time	Hours
				Office Hours		9.00am	10.00am	1
	1			Introduction to Data Exploration and Workflows		10.00am	1.00pm	3
Week 1	2	Sat	16/1/2016	Introduction to Tools and Processes: KNN	Misrab Faizullah-Khan	2.00pm	5.00pm	3
	3			Introduction to Machine Learning		10.00am	1.00pm	3
Week 2	4		23/1/2016	Naive Bayes Classification	Saif Farooqui	2.00pm	5.00pm	3
		Thurs		Project 1 DUE		8.00pm		
				Office Hours		9.00am	10.00am	1
	5			Regression and Regularization		10.00am	1.00pm	3
Week 3	6	Sat	30/1/2016	Logistic Regression	Misrab Faizullah-Khan	2.00pm	5.00pm	3
				6/2/2016 Chinese New Year Campus Break				
				Office Hours		9.00am	10.00am	1
	7			K-Means Clustering I		10.00am	1.00pm	3
Week 4	8	Sat	13/2/2016	K-Means Clustering II	Misrab Faizullah-Khan	2.00pm	5.00pm	3
				Office Hours		9.00am	10.00am	1
	9			Ensemble Techniques		10.00am	1.00pm	3
Week 5	10	Sat	20/2/2016	Decisions Trees and Random Forests	Misrab Faizullah-Khan	2.00pm	5.00pm	3
		Thurs		Project 2 DUE		8.00pm		
				Office Hours		9.00am	10.00am	1
	11			Support Vector Machines		10.00am	1.00pm	3
Week 6	12	Sat	27/2/2016	Dimensionality Reduction	Misrab Faizullah-Khan	2.00pm	5.00pm	3
		Thurs		Final Project Summary DUE				
				Office Hours		9.00am	10.00am	1
	13			Recommendation Systems		10.00am	1.00pm	3
Week 7	14	Sat	5/3/2016	Database Technologies	Misrab Faizullah-Khan	2.00pm	5.00pm	3
		Thurs		Final Project Draft DUE				
				Office Hours		9.00am	10.00am	1
	15			Network Analysis		10.00am	1.00pm	3
Week 8	16	Sat	12/3/2016	Map-Reduce	Misrab Faizullah-Khan	2.00pm	5.00pm	3
				Peer Review DUE				
				Office Hours		9.00am	10.00am	1
	17			Final Project Working Session		10.00am	1.00pm	3
Week 9	18	Sat	19/3/2016	Final Project Working Session	Misrab Faizullah-Khan	2.00pm	5.00pm	3
				Office Hours		9.00am	10.00am	1
	19			Technologies since Map-Reduce: the last decade		10.00am	1.00pm	3
Week 10	20	Sat	26/3/2016	Online Learning: Streaming	Misrab Faizullah-Khan	2.00pm	5.00pm	3
				Final Project/Notebooks DUE		9.00am		
				Office Hours		9.00am	10.00am	1
	22			Final Project Presentations		10.00am	1.00pm	3
Week 11	22	Sat	2/4/2016	Final Project Presentations	Misrab Faizullah-Khan	2.00pm	5.00pm	3