\A/ = = 1	1	Data	FECC FAS Machine Learning Visits between United States and August 1945	Nata
Week			EECS 545 Machine Learning. Visit: https://umich.instructure.com/courses/315575	Notes
			Intro and overview of course.	Hwk 1 assigned
2			Linear algebra, probability and optimization for ML	
-			Linear algebra, probability and optimization for ML	
3			Supervised learning: Probabilistic classifiers - LDA, QDA, logistic regression	
			Supervised learning: Probabilistic classifiers - naïve Bayes, regularized logistic regression,	Hwk 2 assigned, Hwk 1 due
4			Supervised learning: Probabilistic classifies: iterative methods	
_			Supervised learning: Probabilistic regression	
5			Supervised learning: iterative methods SD, SGD, etc	
_			Supervised learning: Separating hyperplane classifiers	Hwk 3 assigned, Hwk 2 due
6			Supervised learning: Surrogate loss optimization	
_	11		Supervised learning: Feature embeddings and kernelization	
7			No lecture - fall study day	
_			Supervised learning: kernel methods	Hwk4 assigned, Hwk 3 due
8			Supervised learning: support vector machines for classification	
	14		Supervised learning: support vector machines for regression	
_			Not a class day	Project reports due at 11:59pm on Hc
9			Supervised learning: model selection and cross-validation	
	16		Unsupervised learning: dimensionality reduction	Hwk 5 assigned, Hwk 4 due
	4-		Not a class day	Reviews for project proposals on Hoto
10			Unsupervised learning: clustering - K-means, MoG, EM	
	18		Unsupervised learning: clustering - Graph cuts, spectral clustering	
11			Unsupervised learning: Density estimation and anomaly detection	
			Neural networks: perceptron, multilayer perceptron (MLP), backpropagation algorithm	Hwk 6 due
12			Neural networks: CNN, LSTM	
	22		Neural networks: Infomax VAE, information bottleneck	
4.2	22		Midterm exam - 6-8pm. Closed book. Students will be assigned to a room for exam.	
13			Decision trees, hierarchical clustering	
	24		Ensemble methods, boosting, random forests	
			Not a class day	Project reports due before 11:59pm c
14	25		Gaussian processes	
	26		Reinforcement learning and MDP	Desirat estimates de la Contraction de la Contra
4.5	27		Not a class day	Project reviews due before 11:59pm (
15	27		Policy learning	
	28		Gradient-free learning	50.00
	,	13-Dec	Project presentations	60-80 posters on display from 12 to 3