Day	Time	Activity
1	9:00-10:30	Machine Learning Basics - Introduction to Machine Learning Terminologies - Understand overfitting
1	10:30-10:45	Break
1	10:45-12:00	Example of business use cases - Machine learning applications in different industry - Technology that enable machine learning
1	13:00-14:30	First look at Machine Learning Data Preparation, Dimensionality Reduction, Feature Scaling
1	14:30-14:45	Break
1	14:45-16:30	Data Preparation Techniques (Lab)
Day	**Time**	**Activity**
2	9:00-10:30	Linear and Logistic Regression, Generalized Linear Model, Linear Discriminant Analysis, Performance Evaluation Methods
2	10:30-10:45	Break
2	10:45-12:00	Regression Lab
2	13:00-14:30	Decision Trees, Random Forest, Gradient-Boosted Tree, Ensemble Modeling
2	14:30-14:45	Break
2	14:45-16:30	Decision Tree and Random Forest Lab
Day	**Time**	**Activity**
3	9:00-10:30	Nearest Neighbor Methods, Similarities, Recommender System
3	10:30-10:45	Break
3	10:45-12:00	KNN Lab Feature Selection Feature Selection Lab
3	13:00-14:30	Unsupervised Learning, K-Means Clustering, Hierachical Clustering
3	14:30-14:45	Break
3	14:45-16:30	Clustering Lab
Day	**Time**	**Activity**
4	9:00-10:30	Neural Network
4	10:30-10:45	Break
4	10:45-12:00	Training Neural Network with Gradient Descent
4	13:00-14:30	Neural Network Lab
4	14:30-14:45	Break
4	14:45-16:30	Advanced Machine Learning Preview