

Data Science	
Topics	Hours
Introducing Data Science and Python Installing Python Introducing jupyter	2
Data Munging The Data Science Process Data loading & Pandas Pandas & Numpy Computations	8
EDA Dimentionality Reduction Detection and treatment of Outliers Validation Metrics Testing and Validating Cross validation Hyperparameter optimization Feature Selection Complete the Process	10
ML Module Linear logistic Regression Naïve Bayes KNN Non linear algorithm Ensemble strategies Dealing with Big Data NLP Overview	12
Data Visualization Matplotlib Advanced data representation	6
Social Network analysis Graph & Sampling	4
CNN	4
PySpark for Big data Data processing Spark ML with Spark	6
Total	52