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## Machine Learning Using Python

- Getting started with Python
- Number Processing with Numpy
- Database operations with Pandas
- Data Visualization with Matplotlib and Seaborn
- Fundamentals of Machine Learning
- Perceptron algorithm using Numpy
- Implementing Regression using Scikit-learn Module LinearRegression
- Feature Selection : importance and implementation using Scikit-learn
- Non Linear classification using Decision Tree
- RandomForest and ideas of Bootstrapping
- Classification using Bayesian Theory and Naïve-Bayes
- Non Parametric Machine Learning Algorithm : K nearest neighbour(kNN)
- Unsupervised learning using K-means cluster
- Kernel Density Estimation