# Machine Learning

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**Introduction**

   Tutorials covering the programming implementation in Python of most basic algorithms in Machine Learning and other important data analysis and preprocessing method that is necessary to be applied to the data before feeding to the learning algorithms. And getting the accuracy of our learning algorithm and some parameters.

Regression

- Linear Regression
- Multiple Regression
- Polynomial Regression

Classification

- Logistic Regression
- SVM (Support Vector Machine)
- Naive Bayes
- Random Forest Classification

Clustering

- K-Means Clustering

Deep Learning

- Artificial Neural Networks
- Multi-Layer Perceptron Learning


Other Methods:

   Feature Scaling, Train-Test splitting, Classification Report, Confusion MetrixPrediction Score.