

## Data science using Python

### Course Content

- **Introduction concepts**
  - What is AI
  - What is Machine Learning
  - Installation Python,R-Studio,Anaconda
- **Programming with Python and R**
- **Data processing using Python and R**
  - Importing Libraries and Datasets
  - Split data set into Training/ Test Data
  - Feature scaling
- **Working with Machine Learning Models**
  - Simple Linear Regression
  - Multiple Linear Regression
  - Polynomial Regression
  - Support Vector Regression (SVR)
  - Decision Tree Regression
  - Random Forest Regression
  - Logistic Regression
  - K-Nearest Neighbors (K-NN)
  - Support Vector Machine (SVM)
  - Kernel SVM
  - Naïve Bayes
  - Decision Tree classification
  - Random Forrest classification
  - K-Means Clustering
  - Hierarchical Clustering
- **Machine Learning Advance Concepts**
  - Reinforcement Learning
  - NLP – Natural Language processing
  - Deep Learning
  - Artificial Neural Network
- **Tableau for Data analytics**
- **Statistics for Business Analytics**
- **Introduction to Big data**

### Course Details

#### Course Duration

- **Fast Track:** 5 Days (6 Hours/Day)
- **Regular Track:** 4 Weeks (2 Hours/Day)
- **Weekend Track:** 5 Weekends (4 Hours/Day)

#### Training Specialty of RST GLOBAL

- Daily Assignments & Study material with Videos
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