

# Data Analytic for Machine Learning

Duration 4 days

## COURSE DESCRIPTION

This course will provide an overview of many additional concepts, techniques, and algorithms in machine learning, from basic classification to decision trees and clustering. By completing this course, you will learn and gain the knowledge about data analytic, how to apply, test, and interpret machine learning algorithms as alternative methods and gain hands-on experience applying data analytic and machine learning techniques to real-world datasets.

## COURSE OBJECTIVES

- Acquire knowledges of implementing predictive analytics with real-world cases.
- Know how to best use machine learning to solve business issues and analyze problems using a machine learning perspective.
- Gain hands-on experience applying machine learning techniques to real-world datasets.

## COURSE OUTLINE

- Types of Machine Learning
- Classification
- Regression
- Clustering
- Evaluation and Optimization
- Decision Trees
- Kernel Machines
- Natural Language Processing
- The Perceptron
- Convolutional Neural Networks

## PREREQUISITES

- Basic knowledge of computer programming and statistics.
- Strong interested in Data Science, have an experience or a background in data analytic, and would like to learn the principles and the real usage of machine learning.

## WHO SHOULD ATTEND

Business leaders, managers, app developers and individual, who are interested in Data Science. Moreover, it is a fundamental course to individual who plan to become Data Scientist or to work in the data science career.