



# Machine Learning with Python

Trusted Mentor in Your True Success

Join us Today, Get Trained by Industry Experts with Live Industry Exposure

“Business Decision should be Data driven not assumption”

## Course Description

Machine Learning with Python is the new arena of modern Artificial Intelligence, Machine Learning, and Deep Learning are new trend in Information Technology we here at Codec will ensure that you are not left behind in this fast moving world of Big Data and it's use in sense of Analytics and developing models in Deep Learning, and help get started in this field.

We will walk you step-by-step into the World of Machine Learning. With every tutorial you will develop new skills and improve your understanding of this challenging yet lucrative sub-field of Data Science.

This course is fun and exciting, but at the same time we dive deep into Machine Learning. Enroll with Codec Networks course to get started with Machine Learning.

## Who Should Attend

This course is intended for learners who have basic python or programming background, and want to apply Machine Learning with Python, machine learning, supervised Learning, and unsupervised Learning, and text analysis techniques to gain new insight into data. The class is taught in a tutorial format using the pandas, library, and only a minimal statistics background is expected, and the first course contains a refresh of these basic concepts. There are no geographic restrictions. Learners with a formal training in Computer Science but without formal training in data science will still find the skills they acquire in these courses valuable in their studies and careers.

## Modules Covered

- Introduction to Data Analytics with Python.
- Python Essentials.
- Scientific Distribution used in Python for Data Science.
- Accessing/Importing Data and Exporting Data using Python modules.
- Data Manipulation-Cleaning & Munging using Python modules.
- Data Analysis-Visualization Using Python.
- Introduction to Statistics.
- Introduction to Random Forest Algorithm and how it is used?
- Data Exploration for Modelling.
- Data Preparation.
- Unsupervised Learning: Segmentation-Solving Segmentation Problem.
- Linear Regression Introduction and Applications.
- Logistic Regression: Solving Classification Problems.
- Machine Learning -Predictive Modeling Introduction to Machine Learning
- Bayesian Networks
- Supervised Learning Decision Trees - Introduction - Applications
- Support Vector Machine -SVM Motivation for Support Vector Machine & Applications
- Text Mining and Analytics
- Project

## Course Duration

- **Fast Track:** 10 Days (8 Hours/Day)
- **Regular Track:** 8 Weeks (2.5 Hours/Day)
- **Weekend Track:** 12 Weekends ( 3 Hours/Day)

## Package Includes

- Assignments, Reference codes & Study material in PDF format
- Module-wise Case Studies/ Projects
- Career Guidance & Career Support
- The completion of some selected assignments & case studies
- Certificate of Excellence from CODEC Networks

## Post Training Program (CODEC Networks Specialty)

- Project Work
- Extensive Classroom Training
- Internship Opportunity with experts and R&D team.
- Placement Assistance \*\*
- Discount Vouchers up to 10 - 15% for further training