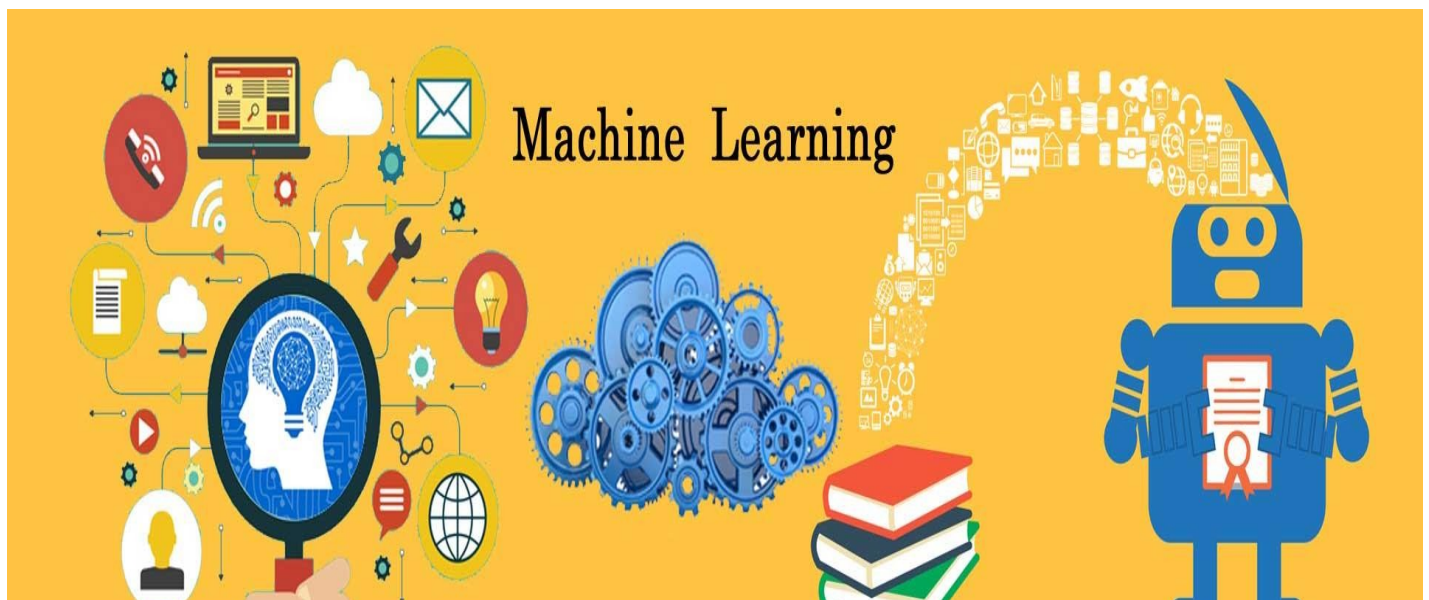
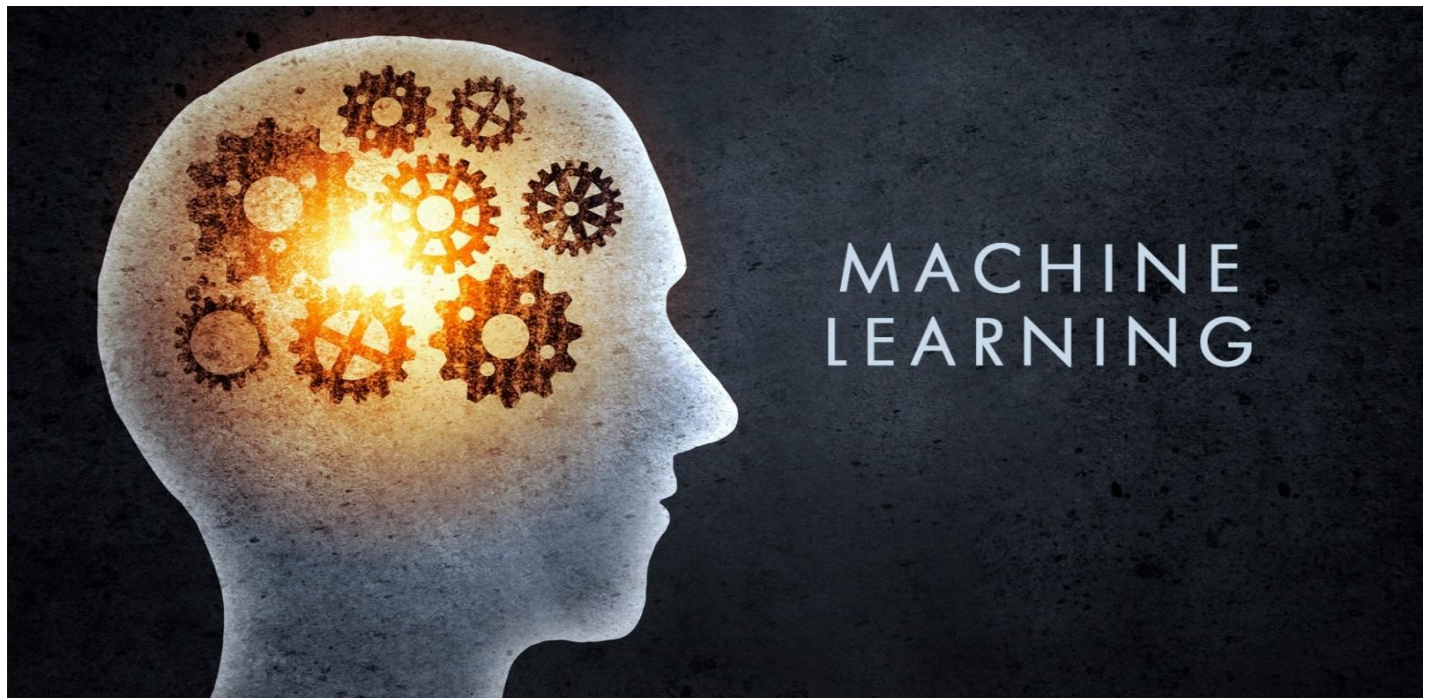




*LEARN, THINK, INNOVATE*



## Overview

Let eMexo Technologies **Best Machine Learning Using Python Training in Electronic City Bangalore** take you from the fundamentals of Machine Learning Using Python to Advance Machine Learning Using Python and make you an expert in developing real-time Machine Learning Using Python applications. Here are the major topics we cover under this Machine Learning Using Python course Syllabus **Introduction to Data Analytics, Introduction to R Programming, Data Manipulation in R, Data Import Techniques in R, Exploratory Data Analysis, Basics of Statistics & Linear & Logistic Regression, Data Mining: Clustering techniques, Regression & Classification, Anova & Sentiment Analysis, and Data Mining: Decision Trees and Random Forest**. Each topic will be covered in a practical way with examples for our **Machine Learning Course in Electronic City Bangalore**.

All the topics will be covered with Practical and hands-on training. Our trainers have industry experience with live project experience in cutting-edge technologies which they teach. We hire only the Best Machine Learning Using Python industry specialists as trainers for our **Machine Learning Using Python Certification Training in Electronic City Bangalore**.

If you are looking for **Machine Learning Using Python Certification Course Training in Electronic City Bangalore**, eMexo Technologies is the **Best Machine Learning Using Python Training Institute in Electronic City Bangalore**. Come over to our training institute for a free demo class. Let our trainer give you a demo on Machine Learning Using Python and only then do you take the decision to enroll in the training program.

## Training Features

### Real-life Case Studies

Do a real-life case study to understand the usage in real-world scenarios.

### Assignments

Each class will be followed by a practical assignment which that can be completed before the next class.

### Preparation for interview

Our trainers are professionals working in multinational corporations. They are experts in their field and know exactly what the interviewer will look for in the candidate. Experienced trainers not only share interview questions but also conduct mock interviews to help prepare for the actual interview.

## Key Features

eMexo Technologies offers the **Best Machine Learning Training Course in Electronic City Bangalore** with the TOP industry expert trainers.

Here are the key features.

- ★ Free Demo Class Available
- ★ Practical Approach
- ★ Expert & Certified Trainers
- ★ 100% Job Oriented Training
- ★ Real World use cases and Scenarios
- ★ Completed 500+ Batches
- ★ Certification Guidance

## Unit 1: Introduction to Data Analytics

### Objectives:

- This module introduces you to some of the important keywords in R like Business Intelligence, Business Analytics, Data, and Information.
- You can also learn how R can play an important role in solving complex analytical problems.
- This module tells you what is R and how it is used by giants like Google, Facebook, etc.
- Also, you will learn the use of 'R' in the industry, this module also helps you compare R with other software in analytics, install R and its packages.

### Topics:

- Business Analytics, Data, Information
- Understanding Business Analytics and R
- Compare R with other software in analytics
- Install R
- Perform basic operations in R using the command line
- Learn the use of IDE R Studio
- Use the 'R help' feature in R
- Hands-on

## Unit 2: Introduction to R Programming

### Objectives:

- This module starts from the basics of R programming like datatypes and functions.
- In this module, we present a scenario and let you think about the options to resolve it, such as which datatype should one to store the variable or which R function that can help you in this scenario.
- You will also learn how to apply the 'join' function in SQL.

### Topics:

- Variables in R
- Scalars
- Vectors
- Matrices
- List

- Data frames
- Using c, Cbind, Rbind, attach and detach functions in R
- Factors
- Hands-on

### Unit 3: Data Manipulation in R

#### Objectives:

- In this module, we start with a sample of a dirty data set and perform Data Cleaning on it, resulting in a data set, which is ready for any analysis.
- Thus using and exploring the popular functions required to clean data in R.

#### Topics:

- Data sorting
- Find and remove duplicates record
- Cleaning data
- Recoding data
- Merging data
- Slicing of Data
- Merging Data
- Apply functions
- Hands-on

### Unit 4: Data Import Techniques in R

#### Objectives:

- This module tells you about the versatility and robustness of R which can take-up data in a variety of formats, be it from a CSV file to the data scraped from a website.
- This module teaches you various data importing techniques in R.

#### Topics:

- Reading Data
- Writing Data
- Basic SQL queries in R
- Web Scraping
- Hands-on

### Unit 5: Exploratory Data Analysis

#### Objectives:

- In this module, you will learn that exploratory data analysis is an important step in the analysis.
- EDA is for seeing what the data can tell us beyond the formal modeling or hypothesis. You will also learn about the various tasks involved in a typical EDA process.

**Topics:**

- Box plot
- Histogram
- Pareto charts
- Pie graph
- Line chart
- Scatterplot
- Developing Graphs
- Hands-on

## **Unit 6: Basics of Statistics & Linear & Logistic Regression**

**Objectives:**

- This module touches the base of Descriptive and Inferential Statistics and Probabilities & ‘Regression Techniques’.
- Linear and logistic regression is explained from the basics with the examples and it is implemented in R using two case studies dedicated to each type of Regression discussed.

**Topics:**

- Basics of Statistics
- Inferential statistics
- Probability
- Hypothesis
- Standard deviation
- Outliers
- Correlation
- Linear & Logistic Regression
- Hands-on

## **Unit 7: Data Mining: Clustering techniques, Regression & Classification**

**Objectives:**

- Linear and logistic regression is explained from the basics with the examples and it is implemented in R using two case studies dedicated to each type of Regression discussed.
- The two Machine Learning types are Supervised Learning and Unsupervised Learning and the difference between the two types.
- We will also discuss the process involved in ‘K-means Clustering’, the various statistical measures you need to know to implement it in this module.

**Topics:**

- Introduction to Data Mining
- Understanding Machine Learning
- Supervised and Unsupervised Machine Learning Algorithms
- K- means clustering
- Hands-on

## Unit 8: Anova & Sentiment Analysis

### Objectives:

- This module tells you about the Analysis of Variance (Anova) Technique.
- The algorithm and various aspects of Anova have been discussed in this module
- Additionally, this module also deals with Sentiment Analysis and how we can fetch, extract, and my live data from Twitter to find out the sentiment of the tweets.

### Topics:

- Anova
- Sentiment Analysis
- Hands-on

## Unit 9: Data Mining: Decision Trees and Random Forest

### Objectives:

- This module covers the concepts of Decision Trees and Random Forests.
- The algorithm of Random Forests is discussed in a step-wise approach and explained with real-life examples.

### Topics:

- Decision Tree
- Concepts of Random Forest
- Working of Random Forest
- Features of Random Forest
- Hands-on

## FAQs

### 1. How is the training organized? How much percentage is theoretical and how much is practical hands-on?

We at eMexo believe nothing beats hands-on practice when it comes to learning a concept. Our teaching methodology is 100% practical and hands-on oriented. You learn a concept, you practice it then and there with the trainers. We also give you assignments for each topic which you can practice at home and any doubts regarding the topic can be cleared with the trainer the next day.

### 2. What is the course duration? How and when do you plan to complete the course?

We generally cover our courses in 60 hours, however, we know that we can't put a hard- stop to learning with a number. Our trainer will make sure that you have learned everything that is part of the curriculum. This could mean 48 hours or 60 hours, it doesn't matter.

### 3. What is the material provided in the training?

We have industry standard course material which is used by our trainers to train you. At the end of the



training, apart from the notes which you have taken during the course, we will also provide you with the training material which was used. This training material includes the training content, interview questions, etc.

#### **4. Do you help in preparing for the interview?**

Our trainers are working professionals who work in MNCs. They are the experts in their domain and they know exactly what an interviewer looks into a candidate. Our expert trainers apart from sharing the interview questions will also conduct mock interviews to help you prepare for the real interview.

#### **5. Who are your trainers?**

Our trainers are industry experts who work in their respective technologies day in and day out. They work in MNCs and are technology experts within their organizations.

#### **6. What is the total batch size per course?**

We maintain a strict batch size of a maximum of 5 students. We also provide exclusive one-to-one training as well. Talk to our training partner to get more details.

#### **7. Do you provide certification for the course?**

Yes, at the end of the training, we provide a certification of completion.

#### **8. Will I be joining a new batch or being merged with another batch?**

You will be added to a new batch.

#### **9. Is fast-track training available?**

Yes, we also provide fast-track training for those who want to complete the course faster. The curriculum and the total hours required to complete the course will remain the same. However, the trainer will be spending more hours with you to complete the course.

#### **10. Do you assist in job placement?**

Our trainers are expert professionals in their organizations and they often act as the interviewer to hire new candidates. Our trainers will help you prepare your resume with industry standards. After all, they know exactly what to look for in a resume.

#### **11. Timings for training - Regular training/weekend training?**

We provide both regular and weekend training. Talk to our training partner to learn more about the timings.

**12. Will you be working on a live project during training?**

Yes, apart from doing the hands-on practice our trainer will also be taking a real-world project and working with you on the implementation.

**13. What happens if I miss a class?**

If you miss a class the content of that class will be taught to you again. With us, you might miss a class but not the content.

**14. Can I attend a demo before the actual class?**

Yes, absolutely! Talk to our training counselor on the phone at **+91-9513216462** or email us at **info@emexotechnologies.com** to arrange a free demo. You can also fill in the contact us form below and we will call you to discuss your training requirements.