

Machine Learning Course in Bangalore

About Course

[Machine Learning Certification Course in Bangalore](#) will help you to become a Master in Creating ML algorithms using Python & R to Solve Complex Problems with Real time Projects. This Machine Learning Course will make you expertise in Classify images and Build artificial neural networks with Tensorflow and Keras. Get In-Depth Practical exposure on Python libraries, Apache Spark and Scala for Big data Analytics and Machine Learning with our Machine Learning Online & Classroom Training. Become Certified Data Scientist or Machine Learning Engineer from this AI & ML Certification Courses.

This Comprehensive Course Covers the Tools or Techniques Such as Python, Excel, Tableau, SQL, SAS, Spark to Implement Data analysis, Visualization and Implementing Algorithms with Mini Project works. Learn Linear Regression, Logistic Regression, Decision Tree, K-Means and Random Forest from the Basic to Advanced level with Professional Trainers, Updated Syllabus 2020 and Study Materials.

From this Training you will learn the Unsupervised Machine Learning hidden Markov Models using Python for web analytics and finance analysis from the Scratch. Master in Apache Spark and Scala for Big data and Machine Learning Concepts and Pass the ML Certification exams.

Course Syllabus

Module 1- Introduction to Data Analytics (Duration: 04:00:00 hrs)

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.

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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

Module 2- Introduction to R programming (Duration: 03:00:00 hrs)

Objectives:

- This module starts with the basics of R programming like data types 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

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Module 3- Data Manipulation in R (Duration: 04:00:00 hrs)**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

Module 4- Data Import techniques in R (Duration: 04:00:00 hrs)**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

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Module 5- Exploratory data Analysis (Duration: 05:00:00 hrs)**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

Module 6- Basics of Statistics & Linear & Logistic Regression (Duration : 05:00:00 hrs)**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

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- Standard deviation
- Outliers
- Correlation
- Linear & Logistic Regression

Module 7- Data Mining: Clustering techniques, Regression & Classification (Duration : 04:00:00 hrs)

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

Module 8- Anova & Sentiment Analysis (Duration : 02:00:00 hrs)

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 live data from Twitter to find out the sentiment of the tweets.

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Topics

- Anova
- Sentiment Analysis

Module 9- Data Mining: Decision Trees and Random Forest (Duration: 03:00:00 hrs)

Objectives:

- This module covers the concepts of Decision Trees and Random Forest.
- 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
- Module 10- Project work (Duration: 10:00:00 hrs)
- 2 Real-time projects

Course Reviews

Review 1:

Good learning from Besant Technologies. I have attended Machine Learning Training under Karthikeya, it was a good experience in learning Machine Learning. provided the concepts in detail with examples and covered multiple scenarios and basics of Machine Learning, real-time scenarios. The good learning experience in Machine Learning. Thank you, Karthik and Besant Technologies.

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Review 2:

Before joining the Besant Technologies I consult many institutes they gave demo class for me. I am not satisfied with that classes then I consult Besant Technologies there vaira Prakash sir gave a demo to me and he is a very nice interaction with me he gave me hope don't worry it's very easy to learn Machine Learning. He explained topics very clearly after class also if we have any doubt he replies very fastly without hesitating. He told us after training also if u have any doubt ask me regarding anything such nice guide for us.

Review 3:

I completed the Machine Learning Course in Besant Technologies, Bangalore and trained by Praveen. As per the course, the classes are finished and few of us were unable to attend those all. Due to some causes (individual) but Praveen took the classes again through the weekend which was not his job to do. They are so friendly. We can alter the class timings to our freedom they are very flexible.. Thanks Praveen thanks, Besant Technologies.

