

## DATA ANALYTICS WITH R



### ABOUT THE COURSE :

With the digital revolution that is sweeping the world and India, the most sought-after profession is now data scientist. Big companies as well as startups are rewarding good data analysts with excellent salaries and a promising career growth. This course is designed to give a comprehensive view of data analytics techniques much needed by the industry. In this course you will learn how to tackle data analysis problems using the powerful open source language R. The course will take you from learning the basics of R to using it to explore many different types of data. You will learn how to prepare data for analysis, compute various statistical measures, create meaningful data visualizations, create reusable R functions, create R models to predict expected future outcomes, and more!



### COURSE CONTENTS :

- ▶ R Basics: Math, Variables, and Strings, Vectors and Factors, Vector operations
- ▶ Data structures in R: Arrays & Matrices, Lists, Data frames
- ▶ R programming fundamentals: Conditions and loops, Functions in R, Objects and Classes, Debugging
- ▶ Working with data in R: Reading CSV and Excel Files, Reading text files, Writing and saving data objects to file in R, String operations in R
- ▶ Regression and Clustering & Classification: Building models, Evaluation and validation, Understanding significance of data mining results

### PROJECTS :

- 1) Weather forecasting model
- 2) Medical disease classification system
- 3) Meeting the Demand Supply Gap with Predictive Analytics

The Complete Solution to Projects including Algorithms and Working Codes will be shared with Course Participants.

**COMMENCEMENT DATE:**  
9<sup>th</sup> February, 2018

**CONCLUSION DATE:**  
20<sup>th</sup> February, 2018

**BATCH 1 :**  
6:00 PM to 7:30 PM  
(Monday to Friday)

**BATCH 2:**  
2:30 PM to 4:00 PM  
(Monday to Friday)

**COURSE FEE: RS. 1534/- (INCLUDING SERVICE TAX)**

### Course Instructors

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