

A three-day Training program on "Big Data Science using R and Hadoop"

Date: February 8-10, 2017
Venue: C-DAC Knowledge Park, Bengaluru-560038



INTRODUCTION

Data Science is the extraction of knowledge from data by implementing mathematical and statistical modeling coupled with Decision-making. It provides a comprehensive overview of extracting, exploring, analyzing, modeling and interpreting data with a common goal of increasing the value of the data assets. R-programming language has become a popular tool for computational statistics and visualization in the area of Data Science. Ever growing contributions by users to the collection of R packages has made R extremely powerful. The emergence of Hadoop has provided a widely-used platform for Big Data Analytics. The statistical power of R-programming combined with the data-processing power of Hadoop, enables one to perform Big Data Science in varied domains. RHadoop combines R and Hadoop to allow users to manage and analyze Big Data effectively.

OBJECTIVE

The training program will walk the participants through the whole data life cycle ranging from Data Acquisition, Data Wrangling and Data Analysis. It also helps in applying Machine Learning algorithms for modeling and illustrates data visualization by leveraging R capabilities. Participants will also learn how Hadoop and R are integrated and used for Big Data Analytics.

TOPICS INCLUDE

Following topics will be covered

- ♦ Introduction to Data Analysis
- ♦ R Programming
- ♦ Data Wrangling using R
- ♦ Basics of Machine Learning
- ♦ Machine Learning using R
- ♦ Basics of Hadoop and MapReduce
- ♦ Data Analysis using RHadoop
- ♦ Insights into data visualization using R
- ♦ Parallel processing features in R
- ♦ Demonstration of case studies

TARGET AUDIENCE

The program is designed for data analysts who want to learn R

programming and its usage in implementing machine learning techniques, data visualization, RHadoop and analysis of Big Data.

REGISTRATION FEES:

Industry / Corporate	₹.9,000
Government / Faculty	₹.6,000
Post Graduate / PhD Students (Full-time)	₹.5,000

REGISTRATION DETAILS:

- ♦ ONLINE REGISTRATION
<http://bit.ly/cdacbds17>
- ♦ Registration fee should be sent through **DD in favor of 'C-DAC, Bengaluru', payable at Bengaluru**
- ♦ DD should reach by **February 6, 2017** to the following address:
*Event Coordinator, Big Data Science Workshop
 C-DAC Knowledge Park, No.1, Old Madras Road,
 Byappanahalli, Bengaluru - 560038, India*
- ♦ Participants are requested to make their own arrangements for transportation and accommodation.

WORKSHOP CO-ORDINATOR:

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