

Computer Society of India Mumbai Chapter

Presents

Analytics with R

2 days hands on Workshop

11th & 12th March, 2015 Mumbai from 9:30 am to 5:30 pm

Introduction

This workshop provides hands-on learning on the popular R software for data analytics usage. Data Analytics is the hottest sector today and at the end of this workshop, you will gain practical knowledge about managing, extracting, transforming, cleaning and visualizing data using R.

Who Should Attend?

Analytics, business intelligence or data warehousing professionals, software engineers, data analysts, statisticians and anyone interested in learning about R. No prior programming or statistics knowledge is necessary.

Benefits to participants:

Those who successfully complete the program will get a certificate from CSI which is highly rated in the industry.

Course Content:

Fundamentals of R

- Introduction to R
- Understanding R programs
- Case study on data management
 - Reading and writing data
 - Manipulating data
 - Conditional statements
 - Merging , sorting and exporting datasets

Data preparation and cleaning in R

- Needs & methods of data preparation
- Handling missing values
- Outlier treatment
- Transforming variables
- Derived variables
- Binning data

Data visualization in R

- Creating a bar chart, dot plot
- Creating a scatter plot, pie chart
- Creating a histogram and box plot
- Plotting with base & lattice graphics
- Plotting and coloring in R

Using functions in R

- Supply, apply, tapply functions

Connecting R with databases

- Basics of SQL
- RODBC and DBI Package
- Performing queries

Basic statistics in R

- Summarizing data, measures of central tendency

- Measures of variability, distributions
- Hypothesis testing and Anova

Contact for Registration	Registration Fees / Term & Condition
<p>Harsh Mane @ CSI Mumbai Chapter Unit No.3, 4th Floor, Samruddhi Venture Park, MIDC, Andheri East, Mumbai – 400093.</p> <p>Tel No: 022 28235548 / 28235476, Mobile : 9819089527,9664926800, Fax : 022 28235546</p> <p>Email id : harsh@csimumbai.org , info@csimumbai.org , csimumbai@vsnl.com Website : http://www.csimumbai.org</p>	<ul style="list-style-type: none"> • CSI Member - Rs. 13,483/-Per Participant including service tax, Non CSI Member Rs. 15,730/- Per Participant including service tax • The cheque / DD in favour of "CSI Mumbai Chapter" Payable at Mumbai. • The mentioned fees are inclusive of all taxes and charges. • Group discount is available for 5 Numbers of participants • Registration fees covers courseware, lunch, Tea/Coffee and CSI Certificate. • Non CSI Member can avail discount in fees by becoming member of the society for details visit http://www.csi-india.org <p>Payment is to be made in favour of "CSI Mumbai Chapter" A/c No. 10606576641 Payable at State Bank of India, MIDC, Andheri East, Branch, Mumbai - 400093.RTGS/NEFT Code:SBIN0007074 (All Major VISA / Master Credit / Debit cards will be accepted)</p>
<p>Participation only through advance registration, (Batch size 20 participants only)</p> <p>Note – Out station participants need to confirm at least 5 days prior to the commencement of the training.</p>	
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