

R PROGRAMMING SYLLABUS

Hi Folks,

Oranium Tech introducing some amazing content on R Programming. R is a language and environment for statistical computing and graphics. It is a GNU project which is similar to the S language and environment which was developed at Bell Laboratories (formerly AT&T, now Lucent Technologies) by John Chambers and colleagues. R can be considered as a different implementation of S.

Objective

The module aims to provide exposure in terms of Statistical Analysis, Hypothesis Testing, Regression and Correlation using R programming language. The objective of this module to make students exercise the fundamentals of statistical analysis in R environment.

1) Introduction to R

- What is R?
- Why R?
- Installing R
- R environment
- How to get help in R
- R console and Editor

2) Understanding R data structure

- Variables in R
- Scalars
- Vectors
- Matrices
- List
- Data frames
- Using c, Cbind, Rbind, attach and detach functions in R
- Factors

3) Importing data

- Reading Tabular Data files
- Reading CSV files

- Importing data from excel
- Importing data from SAS
- Accessing database
- Saving in R data
- Loading R data objects
- Writing to files

4)Manipulating Data

- Selecting rows/observations
- Selecting columns/fields
- Merging data
- Relabelling the column names
- Converting variable types
- Data sorting
- Data aggregation

5)Using functions in R

- Commonly used Mathematical Functions
- Commonly used Summary Functions
- Commonly used String Functions
- User-defined functions
- local and global variable

6)R Programming

- While loop
- If loop
- For loop
- Arithmetic operations

7)Charts and Plots

- Box plot
- Histogram
- Pareto charts
- Pie graph
- Line chart
- Scatterplot
- Developing graphs



Looking for Classroom Training learn R Programming at your nearest location in Chennai

Also you can learn from anywhere take R Programming through Online.

ALL THE BEST

Phone / WhatsApp Details / Mail Id

CHROMPET : 73053 43555 [whatsapp](#) / oraniumtech@gmail.com

VELACHERY : 73052 77748 [whatsapp](#) / oraniumtechvh@gmail.com

