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Affordable Fees

We provide quality training with lowest price. This opportunity is available only at TIB Academy.



Experienced Trainers

Learn technology with a experienced professional who have expertise in their particular technology.



Flexible Timings

We believe that everyone should get the opportunity to learn their desired course. So we provide flexibility timings.



Quick Contact



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Introduction to R

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

Understanding R data structure

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

Importing data

- Reading Tabular Data files
- Reading CSV files
- Importing data from excel
- Access database
- Saving in R data
- Loading R data objects
- Writing to files





Manipulating Data

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

Using functions in R

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

Programming

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





Charts and Plots

- Box plot
- Histogram
- Pie graph
- Line chart
- Scatter plot

Statistics with R

- Descriptive Statistics
- Inferential Statistics
- Supervised Machine Learning
- Linear Regression
- Logistic Regression

Unsupervised Machine Learning

- Decision Tree
- Random Forest
- Classification Algorithm
- Clustering
- PCA analysis





Association Rule(Market Basket Analysis)

- Text Analytics
- Sentiment Analysis
- Advanced R
- R-shiny Web application





Other Activities

Assessments

- **Objective Assessments**

- Syntactical based
- Scenario based

Note: At least 2 objective based assessments in each module

- **Hands On – Practical Assessments**

- Scenario based

Note: At least 2 Hands on assessments in each module

Assignments

- **Hands On – Practical Assignments**

Note: At least 4 Hands on assignments in each module

Tasks – Home Work

- **Regular tasks on each module**

Note: Tasks are focused more to improve self learning

Resume Support & Interview Preparation

- **Work on one or two mini projects**
- **Discuss and convert the current working project into R Programming project to add in resume & to explain R Programming experience in interviews**