

Data analytics using R

Duration: 150 Hrs.

Course Highlights:

R Basics

- Overview
- Environment Setup
- Basic Syntax
- Data Types, Variables
- Basic Operators
- Decision Making
- Loops, Functions, String

R Data Structures

- Vectors, Lists, Matrices
- Arrays, Factors, Data Frames

R Advance

- Data Reshaping
- Object-Oriented Programming
- Debugging, Packages

R Data Interfaces

- CSV, Excel, Binary, XML Files
- JSON Files, Web Data
- Database Handling
- MySQL, SQLite, MongoDB

R Regression

- Mean, Median & Mode
- Linear, Multiple, Logistic Regression

R Statistics Examples

- Normal & Binomial Distribution
- Poisson Regression
- Analysis of Covariance
- Time Series Analysis
- Nonlinear Least Square
- Decision Tree, Random Forest
- Survival Analysis
- Chi Square Tests

Final Project

Above mentioned topics will be covered in detail during training sessions.