R Language

Basic

- Overview
- Environment setup
- Basic syntax
- Data types
- Variables
- Operators
- Decision making
- Loops
- Functions

- Strings
- Vectors
- Lists
- Matrices
- Arrays
- Factors
- Data frames
- Packages
- Data reshaping

Advance

- CVS Files
- Excel Files
- Binary Files
- XML Files
- JSON Files
- Web Data
- Databases

- Pie Charts
- Bar charts
- Boxplots
- Histograms
- Line graphs
- Scatterplots

Statistics

- Mean , Median and Mode
- Linear Regression
- Multiple Regression
- Logistic Regression
- Normal Distribution
- Binomal Distribution
- Poisson Regression

- Analysis of Co-variance
- Time Series Analysis
- Non linear Least Square
- Decision Tree
- Random Forest
- Survival Analysis
- Chi Square Test