

# R Language

40 Hours

## SYLLABUS

## Introduction (5 hrs)

- History and overview of R
- Install and configuration of R programming environment
- Math, Variables, and Strings
- Vectors and Factors
- Vector operations

## Programming Fundamentals (5 hrs)

- Conditions and loops
- Functions in R
- Objects and Classes
- Debugging

## Data structure & Strings & Dates (5 hrs)

- Arrays & Matrices
- Lists
- Dataframes
- String operations in R
- Regular Expressions
- Dates in R

## Data in R (5 hrs)

- Reading CSV and Excel Files
- Reading text files
- Writing and saving data objects to file in R

## Graphics and visualization (5 hrs)

## R in Data Science (5 hrs)

## Data Science project (10 hrs)

## Our Facilities





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