

R Programming Syllabus

Introduction to R

R Fundamentals

R setup

Data Objects in R

Data structures in R

functions in R

Data Import and Export in R

R Data Reshaping

Use of Packages in R

R and OOP

R Graphics Introduction

Display of complex data

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Base Graphics

Plotting Commands in High level

Graph Usage

Mathematical Annotation

Different Figure Environments

Dynamic Graphics

Statistics in descriptive manner

Inferential Statistics

Introduction to linear Regression

R Statistical models

Basic Statistical Functions

Learning of Classification and regression trees

Analysis of Linear regression models

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[Learning of ANOVA tables](#)

[Flexible models](#)

[Families](#)

[Survival analysis](#)

[Non-linear regression](#)

Learn R Analytics

[Spatial Analysis in R](#)

[Importing and exporting raster and vector data](#)

[Machine Learning](#)

[Social Media Analytics](#)

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