



R Programming Training & Certification

VEPSUN

 +91-9036363007/9035353007

www.vepsun.in

Table of Contents

01 Learning Path

○ General Introduction into the R Ecosystem

- Downloading and installing R
- History of R, R packages, CRAN
- R community, R-bloggers
- Why to automate repetitive tasks/process
- Stack Overflow, Coursera, DataCamp
- R User Groups & meetups

○ Demonstration of a Data Analysis Project in R

- Brief Overview on R Coding Tools R Studio
- git, Github
- R Syntax Basics
- Constants, operators, functions, variables
- Random numbers
- Vectors and vector indexing
- Simple descriptive stats
- Loops
- Conditional expressions

02 Learning Path

○ The Power of R

- Applying PCA on an image for outlier detection
- Visualizing MDS on a distance matrix
- A Systematic Introduction into Data Types
- Levels of measurement (nominal, ordinal, interval, ratio scale)
- Vector types
- data. frame objects, rows and columns, indexing

○ Create new variables in a data. frame

- Filter rows and columns
- Merging datasets
- Introduction to data. table for More Complex Data Transformations
- Filtering and ordering data
- Summaries and aggregates
- New variables
- Relational data
- Joins on Keys

About the Course

The Data Science Certification with R has been designed to give you in-depth knowledge of the various data analytics techniques that can be performed using R. The data science course is packed with real-life projects and case studies.

DURATION : - 50 HRS

Key Features

- Real Time Projects
- Exam Preparation
- Mock Test
- Job Assistance
- Training Material
- Lab Videos
- Mock test for Certification
- Resume Updating
- Interview Preparation

WHO SHOULD ATTEND

- IT professionals looking for a career switch into data science and analytics
- Software developers looking for a career switch into data science and analytics
- Professionals working in data and business analytics
- Graduates looking to build a career in analytics and data science
- Anyone with a genuine interest in the data science field

PREREQUISITES

Prior knowledge of programming is beneficial