

Data Science with R Training Course Content

Section 1: Introduction about Data Science

- What is Data Science?
- Why Data Science?
- Where it is used?
- Latest Trends in Data Science
- Fundamentals of Data Science
- Modules of Data Science
- Data Science with R

Section 2: Programming Concepts

- Variables
- Operators
- Loops
- Pie charts
- Bar charts
- Bubble charts
- Lollipop charts
- Area charts
- Line charts
- Encircling concepts
- Introduction about Data Visualization
- Advanced Data Visualization concepts

Section 3: Introduction to R Programming in Data Science

- Fundamentals of R
- How to use R tool
- R tool concepts
- Statistical computing
- Visualize Data using R
- Introduction to Scatterplots

Section 4: Concepts of Ggplot

- Types of Plots
- How to use Plots
- Purpose of Plots
- Concepts of Facetting
- Fundamentals of Ggplots
- Ggplot value concepts
- Boxplots and Jittered Plots
- Dot Plots
- Seasonal Plot

Section 5: Regression and its concepts: Interface

- Regression Types
- Liner Regression
- Multiple Regression
- Logistic Regression
- Poisson Regression
- Concepts of Covariance
- Understanding Decision tree
- Survival Analysis
- Time series Analysis

Section 6: R Programming

- List in R
- Import data in R
- Export data in R
- List concepts
- Sub sitting List
- Components of List
- Apply ()function – lapply(), sapply()
- Packages in R programming
- Data Munging
- K means clustering

Section 7: Understanding Machine Learning

- What is Machine Learning?
- Where it is used?
- Data Manipulation
- Random numbers and sequence
- Fundaments of Probability

- Machine Learning Concepts with R
- Projects - Machine Learning with R



CREDO SYSTEMZ