

Data Science with R

Learn data science using R programming language.

Category: Big Data · Duration: 3 days

WHO IT IS FOR

- Python developers
- Data analysts and data scientists
- Teams that want hands-on practice on real scenarios

This course will provide you with a comprehensive understanding of data science concepts and how to apply them using the R programming language. You will learn various data manipulation, visualization, and modeling techniques that are commonly used in the field of data science. By the end of the course, you will be able to perform data analysis, build predictive models, and communicate the results effectively.

Prerequisites

Basic knowledge of programming and statistics.

Syllabus

- Introduction to Data Science
- Data Preprocessing and Cleaning
- Exploratory Data Analysis
- Data Visualization
- Statistical Analysis
- Machine Learning Algorithms
- Predictive Modeling
- Model Evaluation and Selection
- Feature Selection and Dimensionality Reduction
- Clustering and Unsupervised Learning
- Time Series Analysis
- Text Mining and Natural Language Processing
- Big Data Analytics
- Deep Learning
- Ensemble Learning

- Introduction to R Shiny
- Deploying R Models in Production
- Ethical and Privacy Considerations
- Case Studies and Hands-on Projects
- Final Assessment and Certification