



Data Science Course Content

1. Probability & Statistics with R (Foundation)

- 1.1. Introduction to Statistics
- 1.2. Introduction to R Programming
- 1.3. Producing Data
- 1.4. Probability
- 1.5. Inference

2. Data Science Methodologies

- 2.1. Characteristics of Big Data
- 2.2. Intro to Data Science
- 2.3. Data Analytics Life Cycle
- 2.4. The role and required skills of a Data Scientist

3. Basic Data Analytic Methods Using R

- 3.1. Data Import/export and Manipulations
- 3.2. Exploratory Data Analysis
- 3.3. Basic R commands to analyze data
- 3.4. Statistical methods and visualization to understand data
- 3.5. ANOVA

4. Visualization with R and Tableau

- 4.1. Intro to Tableau, Data Import and Manipulation
- 4.2. Visualisation with Charts, Maps, Reports and Dashboards



5. Advanced Data Analytics & Machine Learning Using R

- 5.1. Clustering
- 5.2. Association Rules
- 5.3. Regression
- 5.4. Classification
- 5.5. Time Series Analysis
- 5.6. Text Analysis

6. Working on Case Studies

- 6.1. Case Study 1
- 6.2. Case Study 2
- 6.3. Case Study 3

**Note*: If you have any queries will be discussed in the demo*

