

INTRODUCTION TO DATA SCIENCE PRACTITIONER:

- 1. Who is Data Science Practitioner?
- 2. Current Practices: Roles, Skill Sets, Positions
- 3. Overview of Data Science Landscape



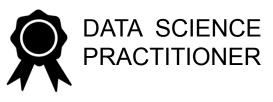
Visual Analytics with Tableau - Exploratory Analysis and Visualization:

1. Visual Analytics with Tableau:

- Introduction to visual analytics
- Principles of Visual analytics
- Data Intrep
- Pivot Tables
- Split Tables
- Time Series Chart

2. Various Graphical Representations:

- Bar Plot
- Scatter Plot





₹ **85,000** /- (Excl. Taxes)

- √ Hands on Case Study in Tableau
- √ 15 Days Support in Self Practice
- ✓ Interview FAQs Training
- √ Resume Review & Job Assistance



- Histograms
- Boxplot
- Word Cloud
- Bubble Chart
- Side by Side chart
- Dual Combinated Chart

3. Creating Fields::

- Quick table calculation
- Ad-Hoc
- Calculated fields
- Lookup
- If-Else
- Case
- ZN
- Parameter

4. Symbol Maps:

- Animated Maps
- Filled Maps
- Actions between Maps
- · Sets, Dashboards and Storytelling





₹ **85,000** /- (Excl. Taxes)

- √ Hands on Case Study in Tableau
- √ 15 Days Support in Self Practice
- ✓ Interview FAQs Training
- ✓ Resume Review & Job Assistance



Statistical Analysis:

1. Business Statistics:

- Various Data Types a)discrete,
 b)continuous, c)Nominal, d) Ordinal,
 e) Interval Scale, f) Ratio
- Central Tendency
- Measures of Dispersion
- Random Variable

2. Analysis:

- Probability Distribution
- Normal Distribution
- Skewness
- Kurtosis
- Random Sample

3. Confidence Interval:

- Confidence Interval
- Sampling Frame
- Z-Calculations
- Central Limit Theorem
- Chi-Square Test





₹ **&5,000** /- (Excl. Taxes)

- √ Hands on Case Study in Tableau
- √ 15 Days Support in Self Practice
- ✓ Interview FAQs Training
- ✓ Resume Review & Job Assistance



4. Analysis on X and Y data:

 One-Way Anova, 2 Sample t-test, Case Study on One-Way Anova and 2 Sample T Test

5. Analysis on X and Y data:

 Proportion Test, Pareto Chart, Case Study on 2 Proportion Test and Pareto chart

6. Hypothesis:

- Hypothesis Testing
- Converting Problem to Statistical Problem
- Null Hypothesis
- Alternate Hypothesis
- Case Study on Hypothesis Testing

Data Science with R Language:

1. Introduction to R:

- Installing R
- Installing R Studio
- Creating Objects in R
- Creating Arrays
- Creating Data frames





₹ **85,000** /- (Excl. Taxes)

- √ Hands on Case Study in Tableau
- √ 15 Days Support in Self Practice
- ✓ Interview FAQs Training
- ✓ Resume Review & Job Assistance



- Use of Structure
- Dimesions
- Loading CSv files, Foregin packages into R

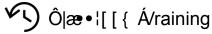
2. Data Manipulation with R:

- · Loading vectors in R
- Combining to vectors in R
- Cleaning Data with R, Swaping Data, Sorting Data, Converting unstructured to structured data, usage of sub, gsub, regexpr, gregexpr, apply, lapply, sapply

3. Data Visualization with R:

 Usage of Plot, lines, boxplot, stars, barplot, pie, hist, rug, sunflowerplot, various color of histograms, tabplot, ggplot2, maptools and extracting data from URLs





₹ **85,000** /- (Excl. Taxes)

- √ Hands on Case Study in Tableau
- √ 15 Days Support in Self Practice
- ✓ Interview FAQs Training
- ✓ Resume Review & Job Assistance





Text Mining: 1. Introduction to Text Mining concepts

2. Sentiment Analysis with R:

- 1. Text Mining:
 - Positive and Negative Word Cloud
 - Case study on Sentiment analysis
- 2. Advanced Regression:
 - Theory Behind Advanced Regression
 - Advanced Regression with R
 - Working on Case Study



Machine Learning Module -1:

- 1. Machine Learning Introduction:
 - Supervised and Unsupervised Learning

 a) Linear Regression Theory b) Linear
 Regression Programming with R
 c) Working on Case Study Data





₹ **&)**,000 /- (Excl. Taxes)

- √ Hands on Case Study in Tableau
- √ 15 Days Support in Self Practice
- ✓ Interview FAQs Training
- ✓ Resume Review & Job Assistance



2. Mulitple Linear Regression:

- Theory behind multiple linear regression
- Multiple Linear Regression with R
- Working on Case Study

3. Decision Tree:

- Theory Behind Decision Tree
- Decision Tree with R
- Working on Case Study

4. Naïve Bayes :

- Theory behind Naïve Bayes classifiers
- Naïve Bayes Classifiers with R
- Working on Case Study

5. Support Vector Machines:

- Theory behind Support Vector Machines
- Support vector machines with R
- Improving the performance with Kernals
- Working on Case Study

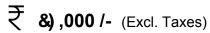
6. Association Rule:

- Theory behind Association Rule
- Working on Case Studies





Classroom Training



- √ Hands on Case Study in Tableau
- √ 15 Days Support in Self Practice
- ✓ Interview FAQs Training
- ✓ Resume Review & Job Assistance





Machine Learning - Module 2

1. Neural Net:

- Artificial Neural Network
- Connection Weights in Neural Network
- Generating Neural Network with R
- Improving Neural Network Accuracy with Hidden Layers
- Working on Case Study

2. Random Forest:

- · Working on Case Study
- Theory behind Random Forest
- Random Forest with R
- Improving performance of Random Forest
- Working on Case Study

3. Recommendation Engine:

- Theory behind Recommendation Engines
- Working on Case Study with R





25,000 /- (Excl. Taxes)

- √ Hands on Case Study in Tableau
- √ 15 Days Support in Self Practice
- ✓ Interview FAQs Training
- ✓ Resume Review & Job Assistance



4. Dimension Reduction:

- Theory behind Recommendation Engine
- Working on Case Studies
- **8** Web Analytics :
 - 1. Theory behind Web Analytics
 - 2. Working on Case Study
- 9 Project :
 - 1. Live Data Science Project



Classroom Training

₹ **25,000** /- (Excl. Taxes)

- ✓ Hands on Case Study in Tableau
- √ 15 Days Support in Self Practice
- ✓ Interview FAQs Training
- ✓ Resume Review & Job Assistance

