



[DATASCIENCE ONLINE TRAINING IN HYDERABAD,USA](#) [AND MADHAPUR](#)

ABOUT THE COURSE

[RS Trainings](#) is a One of the best quality training center for Data Science online, Classroom and Corporate trainings In Hyderabad . We are providing training through world wide. [RS Trainings](#) is excellent [datascience training center in Hyderabad](#). After Data Science course we will give support for certification, Data Science Resume preparation and how to prepare for interviews

Who Can Learn Data Science

- Professionals in Testing field
- Software Developers
- Professionals from Analytics background
- Data warehousing Professionals
- Professionals from SAP BI background.

With the growing era of technology and need to constantly update oneself to outstand in the competitive market, [RS Trainings](#) has come to existence to provide people the knowledge about the latest trends in technology . We provide a team of trainers who will put across a thorough and detailed idea about the respective technical courses that you wish to explore .

Our work doesnot end here. [RS Trainings](#) gives an opportunity to work on Data Science real time projects which would be guided by our real time trainers. A technical Data Science back end team would always be available to answer your queries at any point of time and will also assist you to arrange your training sessions

Data Science Course Information

In [RS Trainings](#) all Data Science trainers are well experts and providing training with practically..Here we are teaching from basic to advance. Our real time trainers fulfill your dreams and create professionally driven environment. In datascience training we are providing sample live projects, materials, explaining real time Data Science scenarios, Interview skills...We are providing Best [datascience Training in Hyderabad](#),
India

Why RStrainings For DataScience ?

RS Trainings is a **best training center for datascience** given corporate trainings to different reputed companies. In datascience training all sessions are teaching with examples and with real time scenarios. We are helping in real time how approach job market, Data Science Resume preparation, Interview point of preparation, how to solve problem in projects in Data Science job environment, information about job market etc. Training also providing [classroom Training in Hyderabad](#) and online from anywhere. We provide all recordings for classes, materials, sample resumes, and other important stuff. [datascience Online Training](#) We provide data science online training through worldwide like India, USA, Japan, UK, Malaysia, Singapore, Australia, Sweden, South Africa, and etc. Hadoop Corporate Training RStrainings providing corporate training world wide depending on Company requirements with well experience real time experts.

DATASCIENCE COURSE CONTENT :

1.Descriptive Statistics and Probability Distributions:

- Introduction about Statistics
- Different Types of Variables
- Measures of Central Tendency with examples
- Measures of Dispersion
- Probability & Distributions
- Probability Basics
- Binomial Distribution and its properties
- Poisson distribution and its properties
- Normal distribution and its properties

2.Inferential Statistics and Testing of Hypothesis

- Sampling methods
- Different methods of estimation
- Testing of Hypothesis & Tests
- Analysis of Variance

3.Covariance & Correlation

->> Predictive Modeling Steps and Methodology with Live example:

- Data Preparation
- Exploratory Data analysis
- Model Development
- Model Validation
- Model Implementation

4.Supervised Techniques:

->> Multiple linear Regression

- Linear Regression - Introduction - Applications
- Assumptions of Linear Regression
- Building Linear Regression Model
- Understanding standard metrics (Variable significance, R-square/Adjusted R-Square, Global hypothesis etc)
- Validation of Linear Regression Models (Re running Vs. Scoring)
- Standard Business Outputs (Decile Analysis, Error distribution (histogram), Model equation, drivers etc)

- Interpretation of Results - Business Validation - Implementation on new data
- Real time case study of Manufacturing and Telecom Industry to estimate the future revenue using the models

->> Logistic Regression - Introduction - Applications

- Linear Regression Vs. Logistic Regression Vs. Generalized Linear Models
- Building Logistic Regression Model
- Understanding standard model metrics (Concordance, Variable significance, Hosmer Lemeshov Test, Gini, KS, Misclassification etc)
- Validation of Logistic Regression Models (Re running Vs. Scoring)
- Standard Business Outputs (Decile Analysis, ROC Curve)
- Probability Cut-offs, Lift charts, Model equation, drivers etc)
- Interpretation of Results - Business Validation - Implementation on new data
- Real time case study to Predict the Churn customers in the Banking and Retail industry

->> Partial Least Square Regression

- Partial Least square Regression - Introduction - Applications
- Difference between Linear Regression and Partial Least Square Regression
- Building PLS Model
- Understanding standard metrics (Variable significance, R-square/Adjusted R-Square, Global hypothesis etc)
- Interpretation of Results - Business Validation - Implementation on new data
- Sharing the real time example to identify the key factors which are driving the Revenue

5.Variable Reduction Techniques

->> Factor Analysis

->> Principle component analysis

- Assumptions of PCA
- Working Mechanism of PCA
- Types of Rotations
- Standardization
- Positives and Negatives of PCA

6.Supervised Techniques Classification:

->> CHAID

->> CART

->> Difference between CHAID and CART

->> Random Forest

- Decision tree vs. Random Forest
- Data Preparation
- Missing data imputation
- Outlier detection
- Handling imbalance data
- Random Record selection
- Random Forest R parameters
- Random Variable selection
- Optimal number of variables selection
- Calculating Out Of Bag (OOB) error rate
- Calculating Out of Bag Predictions

->> Couple of Real time use cases which are related to Telecom and Retail Industry. Identification of the Churn.

7. Unsupervised Techniques:

->> Segmentation for Marketing Analysis

- ♣ Need for segmentation
- Criterion of segmentation
- Types of distances
- Clustering algorithms
- Hierarchical clustering
- K-means clustering
- Deciding number of clusters
- Case study

->> Business Rules Criteria

->> Real time use case to identify the Most Valuable revenue generating Customers.

8. Time series Analysis:

->> Time Series Components(Trend, Seasonality, Cyclicity and Level) and Decomposition

->> Basic Techniques

- Averages,
- Smoothing etc

Advanced Techniques

- AR Models,
- ARIMA
- UCM
- ->> Hybrid Model

->> Understanding Forecasting Accuracy - MAPE, MAD, MSE etc

->> Couple of use cases, To forecast the future sales of products

9. Text Analytics

->> Gathering text data from web and other sources

Processing raw web data

Collecting twitter data with Twitter API

->> Naive Bayes Algorithm

- Assumptions and of Naïve Bayes
- Processing of Text data
- Handling Standard and Text data
- Building Naïve Bayes Model
- Understanding standard model metrics
- Validation of the Models (Re running Vs. Scoring)

->> Sentiment analysis

- Goal Setting
- Text Preprocessing
- Parsing the content
- Text refinement
- Analysis and Scoring

->> Use case of Health care industry, To identify the sentiment of the patients on Specified hospital by extracting the data from the TWITTER.

10. Visualization Using Tableau:

->> Live connectivity from R to Tableau

Generating the Reports and Charts

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