

DATA SCIENCE COURSE CONTENT

Course Duration:-80Hrs

Fee:- 22,000

Contact Number:- 8884441988

1.R PYTHON

2.Making Decisions and Loop Control

- Simple if Statement, if-else Statement
- if-elif Statement.
- Introduction To while Loops.
- Introduction To for Loops, Using continue and break

3.Python Data Types: List, Tuples, Dictionaries

- Python Lists, Tuples, Dictionaries
- Accessing Values
- Basic Operations
- Indexing, Slicing
- Built-in Functions & Methods
- Defining Functions
- Calling Functions
- Anonymous Functions – Lambda

4.Introduction to Python ML Packages

- Numpy
- Pandas
- Matplot lib
- Scikit learn

5.Exploratory Data Analysis

- Numerical Analysis
- Categorical Analysis
- Visualizing Data: Box, Scatter, Bar & Histogram

6.Introduction To Machine Learning

- What is Machine Learning?
- What is the Challenge?

- Introduction to Supervised Learning, Unsupervised Learning

7. Linear Regression

- Introduction to Linear Regression
- Linear Regression with Multiple Variables
- Disadvantage of Linear Models
- Interpretation of Model Outputs
- Understanding assumptions of linear regression

8. Descriptive Statistics

- Describe or summarise a set of data
- The mean, median, mode, Kurtosis and skewness
- Computing Standard deviation and Variance.
- Covariance, Correlation and Causation

9. Logistic Regression

- Introduction to Logistic Regression.– Why Logistic Regression .
- Introduce the notion of classification
- Cost function for logistic regression
- Confusion Matrix, Odd's Ratio And ROC Curve
- Advantages And Disadvantages of Logistic Regression.

10. Decision Trees

- How to build decision tree?
- Understanding Kart Model
- Classification Rules- Overfitting Problem
- Stopping Criteria And Pruning
- Model A decision Tree.
- Naive Bayes
- Random Forests

11. Unsupervised Learning

- Hierarchical Clustering
- k-Means algorithm for clustering – groupings of unlabeled data points.
- Principal Component Analysis(PCA)
- 12: Natural language Processing

12. Introduction to natural Language Processing(NLP).

13. Word Frequency Algorithms for NLP

14.Sentiment Analysis

15. NLP

16.Deep learning

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