Our Vision

Data science India was born with the mission to provide high quality training at low costs, transforming traditional education by removing the barriers of cost, location and access. We provide a holistic learning program to catalyze your progress in data science. With real time scenarios.

DATA
SCIENCE
INDIA

INVEST IN YOUR FUTURE

Course Content

- Introduction to machine learning
- Python Basics
    - Variables
    - Operators
    - Data Structures
        - Lists
        - Tuples
        - Dictionaries
    - Indexing
    - Slicing
    - String Handling
    - Control Flow Statements
    - Functions
    - Classes
    - Numpy
    - Pandas
        - Data Preprocessing with pandas
    - Date Time
    - File Handling

Course Content

- Statistics Basics
  - Measurement scale
  - Sampling
  - Types of variables
  - Types of statistics
  - Measure of central tendency
  - Measure of variability
  - Plots
  - Skewness
  - Kurtosis
  - Central limit theorem
  - Probability
  - Combinations and Permutations
  - Bayes' Theorem
  - Confidence Interval
  - Pearson correlation coefficient
  - Hypothesis test
  - Decision Errors
  - Z,T tests
  - Anova (one way, two way)
  - Chi Square test

Course Content

- Regression
    - Regression basics
    - Simple Linear Regression
    - Gradient Descent algorithm
    - Polynomial Regression
    - Ridge and Lasso Regression
    - Multi nominal Regression

- Classification
    - Classification basics
    - Training and Loss
    - Threshold
    - Accuracy
    - Precision and Recall
    - Roc Curve and AUC
    - Bias and Variance
    - Cross Validations
    - Grid and Random Search
    - Im-balanced datasets

Course Content

- Principal Component Analysis
    - PCA basics

- Decision Trees
    - Tree basics
    - Random Forests
    - ADA Boost
    - XG-Boost

- Time Series
    - ARIMA
    - SARIMA
    - Anomaly Detection and Forecasting

- SVM
- K-NN
- Clustering
    - Clustering basics
    - K Means Clustering
    - Hierarchical Clustering
    - DB Scan clustering
    - Anomaly Detection

Course Content

- NLP Basics
    - RegEx
    - Remove punctuation
    - Tokenization
    - Remove Stop words
    - Lemmatize/Stemmer
    - Count Vectorization
    - Sparse matrices
    - N-Grams
    - TF-IDF
    - Bayesian Classifier
    - Sentiment classification
    - Ham or Spam classification
    - Text Summarization

Course Content

- Recommendation systems
    - Content based Filtering
    - Collaborative Filtering
    - Singular Value Decomposing

- Reading data from NOSQL db, HDFS , Kafka stream

- Productionizing the models
    - Saving and Loading Models
    - Flask framework
    - Django framework
    - Deploying the Models
    - Model Testing

- Visualizations
    - Matplotlib and Seaborn Visualizations
    - Plotly dash visualizations
        - Plots using the Plotly
        - Dashboard implementations

Course Content

- Neural Networks
    - Neural Networks Basics
    - TensorFlow Basics
    - Sparce and Dense neural networks(Regression and Classification)
    - Dimension Reduction Cat2vector
    - CNN
    - Sequential Neural Networks
        - RNN
        - LSTM
    - NLP Using Neural Networks

- Reinforcement Learning

Course Content

- Chat Bots
  - Rasa and Amazon LEX

- Cloud Analytics
  - Azure and GCP Machine Learning
  - Azure and GCP based Document Processing

- Interview Preparation Tips and Tricks
- Real time use cases

Thank You

Contact Us

Pavan Balaji Nanjundappa

+91- 8861036034

Balaji_xp@hotmail.com

DATA SCIENCE INDIA

INVEST IN YOUR FUTURE