Machine Learning

Description:

This is Machine Learning masters, where you will learn various things from the beginning like python, API, deployment in AWS, Azure, GCP, Heroku, Database, various modules in statistics, all machine learning algorithms.

Instructors:

Sudhanshu Kumar

Duration:

Language:

English

Price:

25000

Requirements:

Basic knowledge of python programming, A system with a stable internet connection, Your dedication

Features:

Quizzes, Assignments , Hands-on practical's, Downloadable resources, Completion certificate

Learn:

Master machine learning on python, Make robust machine learning models, Use machine learning for personal purpose, Handle advanced techniques like dimensionality reduction, Classify data using K-Means clustering, Support Vector Machines (SVM), KNN, Decision Trees, Naive Bayes, and PCA

Curriculum:

- Machine Learning Module 1:

  - Introduction machine learning module 1

  - Supervised, unsupervised, semi-supervised, reinforcement

  - Train, test, validation split

  - Performance

  - Overfitting, underfitting

  - OLS

  - Linear regression

  - polynomial regression

  - Assumptions R-square adjusted, R-square intro to Scikit-learn, training methodology, hands-on linear re

- Machine Learning Module 2:

  - Decision tree, decision tree regressor, cross-validation

  - Bias vs variance, ensemble approach, Bagging, boosting

  - Randon forest, stacking, variable importance

  - XGBoost, hands-on XGBoost, gradient boost, ada boost

- Machine Learning Module 3:

  - K Nearest Neighbour, k-NN regressor, lazy learners, the curse of dimensionality, k-NN issues

- Machine Learning Module 4:

  - K-means, hierarchical clustering, DBSCAN

  - Performance measurement, principal component analysis, dimensionality reduction

- Machine Learning Module 5:

  - Naive Bayes SVM

  - Anamoly detection

- Time series:

  - Arima, Sarima, Auto Arima

- Time series using RNN LSTM, prediction of NIFTY stock price