Welcome to ineuron.ai

Shipment Price Prediction

Description:

In this data science project, you will build a machine learning system that will be able to predict the cost of the shipment or package by using machine learning algorithms. This project will be very useful for logistics companies, where on a day-to-day basis a lot of couriers, packages, or goods are transported via different modes of transport. The main concern with these logistics companies is trying to deliver these goods in an efficient and cost-efficient way possible, so the pricing of the shipment is tricky and involves a lot of variables to consider while the pricing of the shipment. There might be scenarios where the shipment might be delayed due to some external reasons, leading to a loss for the company and a delay in delivery of the shipment. So logistics companies need to use dynamic pricing based on several factors and variables to price the shipment in such a way that there are no losses to the company and the price of the shipment is as less as possible so that customers

can use their services more due to effective pricing rates.

Start Date: 3rd Jan'23

Doubt Clear Time:

Course Time: Flexible

Features:

Do Everything In Industry Grade Lab

Learn As Per Your Timeline

Hands-On Industry Real-Time Projects.

Self Paced Learning

Dashboard Access

Course Materials

Assignments

What we learn:

Real Time Projects

Shipment Price Prediction

Learn about Regression model implementation

Hyperparameter optimization

How to work with database

Modular coding approach for training and prediction pipeline along with FastAPI

Learn about AWS basics

CICD tools like Github actions

Production-grade deployment

Requirements:

System with minimum i3 processor or better

At least 4 GB of RAM

Working internet connection

Dedication to learn

Instructor:

Name:

Boktiar Ahmed Bappy

Description:

This is Bappy. I aim for simplicity in Data Science. Real Creativity won't make things more complex. Instead, I will simplify them, Interested in a Data Science Career and so develop myself accordingly. Data Scientist and lecturer with working experience in Machine Learning, Deep Learning, Microcontrollers and Electronics systems. Hands-on experience in classification, regression, clustering, computer vision, natural language processing and transfer learning models to solve challenging business problems. I have a huge interest in Robotics. I have innovated a lot of innovations, ideas, projects & robots and got a lot of achievements.

>Welcome to the Course:

>>Course Overview

>>Dashboard Introduction

>Project :- Shipment Price Prediction:

>>Introduction of Instructor

>>Project Overview

>>End Notes

>>Problem Description

>>Understand the application scope

>>Tour to existing solution

>>End Notes

>>Solution Description

>>Notebook Walkthrough

>>Tour to Architecture diagram

>>cost involved

>>End Notes

>>Structure overview

>>Data Ingestion

>>Data Validations

>>Data Transformation

>>Model training

>>Model pusher

>>Pipelines

>>Frontend app design

>>Tour to the cloud and Service Overview (AWS)

>>IAM setup

>>ECR setup

>>EC2 setup

>>Self hosted runner

>>docker

>>Conclude the project

>>Assignments & External Resources