Project Name – Cab Fare Prediction

Deadline - 15 Days

Problem Statement -

You are a cab rental start-up company. You have successfully run the pilot project and now want to launch your cab service across the country. You have collected the historical data from your pilot project and now have a requirement to apply analytics for fare prediction. You need to design a system that predicts the fare amount for a cab ride in the city.

Data Set :

1) train_cab.zip
2) test.zip

Number of attributes:

- pickup_datetime - timestamp value indicating when the cab ride started.
- pickup_longitude - float for longitude coordinate of where the cab ride started.
- pickup_latitude - float for latitude coordinate of where the cab ride started.
- dropoff_longitude - float for longitude coordinate of where the cab ride ended.
- dropoff_latitude - float for latitude coordinate of where the cab ride ended.
- passenger_count - an integer indicating the number of passengers in the cab ride.

Missing Values: Yes

Evaluation Basis

The project will be evaluated on the following basis:

1. The process of building the model should move from simple to complex. This means its mandatory to implement multiple linear regression and logistic regression before approaching any advance level algorithm such as Random forest etc.

2. Every model should be supported by reason of acceptance or rejection. Special emphasis on the reasons why the student has picked/dropped an algorithm.

3. The student should mention which error metric is used and why. For example, if RMSE used in place of MAPE, the reason should be clearly mentioned by the student that why a particular error metric is used. Special emphasis on goodness of fit such as AIC and confusion metrics.

4. The student should revise the concepts before starting the project work.

5. The student should be confident enough to explain every concept that is written in the project report.

6. The questions during the mock sessions would not limit to project. Any topic that is covered in the syllabus can be asked during the mock session.

7. If student unable to explain the project report or during the session, it appears that student has copied the solution then zero marks will be given to the student.

8. The code should be written keeping in mind the code file can be run from DOS prompt.

9. The instructions to run the code file should be submitted with the project report.

Deliverables from Candidate

1) Code written in both R and Python.
2) Comprehensive Project Report.
3) Instruction to deploy and run code.

Always remember these evaluation basis, and your deadline. And your aim is to meet the deadline.

Warning - Do not submit incomplete projects or projects that are not running. They will result in a negative skill score. Also, you are not allowed to seek help from a discussion board or any individual at all. Taking such help will be considered plagiarism and will violate the terms and conditions associated with project stage on edwisor.com .

In case of queries, reach out to us at support@edwisor.com