



ITS307 Data Analytics

Project Proposal

Taxi Fare Prediction

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Problem statement

One of the most common problems faced while traveling in a taxi is the frequent change in the taxi fare often claimed by individual taxi drivers. To reduce any illegal taxi fare charged by drivers and to reduce the need to fully depend on drivers to know the fare, we propose this project to solve the above mentioned problem.

Aim

The aim of the project is to develop a web application where the system can predict taxi fare in the country.

Scope of the Project

User Scope

The scope of this project is confined to Bhutan.

The target users are people who avail taxi services while traveling within the country.

System Scope

The system consists of factors such as fuel price, distance traveled, pick up point, drop off point, number of seats and other significant factors in order to predict the approximate taxi fare.

Limitations

Our system has a limitation wherein there is more than one route available for the passenger to travel from one location to another, it is difficult to compute all the routes dynamically.