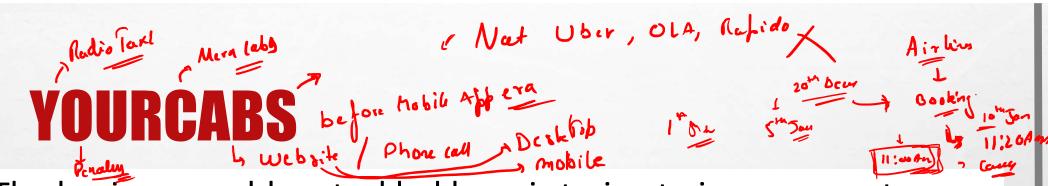
## **Capstone Project**

Submit To: <u>sauveergoel04@gmail.com</u>
Submission Date: 15<sup>th</sup> October 2023

15 15th November 2023 Reviews



The business problem tackled here is trying to improve customer service for <a href="YourCabs.com">YourCabs.com</a>, a cab company in Bangalore.

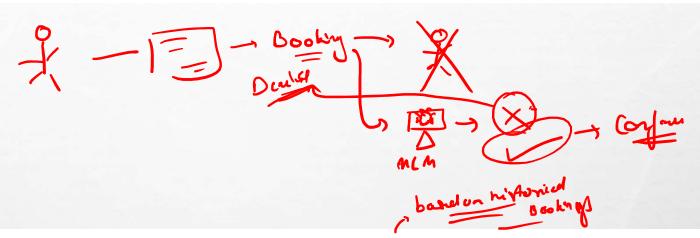
to id th

The problem of interest is booking cancellations by the company due to unavailability of a car. The challenge is that cancellations can occur very close to the trip start time, thereby causing

passengers inconvenience.

09:00An (-) 10:00 An

## **YOURCABS**



The goal of the competition is to create a predictive model for classifying new bookings as to whether they will eventually gets cancelled due to car unavailability.

YOURCABS<sup>-</sup> ·id - booking ID > Unique booking Ref

to long - longitude of to area

Data dictionary



•user\_id - the ID of the customer (based on mobile number) •package id - type of package (1=4hrs & 40kms, 2=8hrs & 80kms, 3=6hrs & 60kms, 4= 10hrs & 100kms, 5=5hrs & 50kms, 6=3hrs & 30kms, 7=12hrs & 120kms) travel\_type\_id - type of travel (1=long distance, 2= point to point, 3= hourly rental); from\_area\_id - unique identifier of area. Applicable only for point-to-point travel and packages - Product of Pichib •to\_area\_id - unique identifier of area. Applicable only for point-to-point travel •from city je - unique identifier of city -> •from\_date - time stamp of requested trip start -> Trip start Requested by curponer to city\_id - unique identifier of city (only for intercity) •online\_booking - if booking was done on desktop website
•mobile\_site\_booking - if booking was done on mobile website •booking\_created - time stamp of booking - Time when booking was made 3695-cordinates => These condinates were pre-defined in company DB

Area tol = 1 -> (75.441, 3+.849) •from lat - latitude of from area from long - longitude of from area •to lat - latitude of to area

•Car Cancellation - whether the booking was cancelled (1) or not (0) due to unavailability of a car.

## **YOURCABS**

- •id booking ID
- user\_id the ID of the customer (based on mobile number)
- •vehicle\_model\_id vehicle model type.
- •package\_id type of package (1=4hrs & 40kms, 2=8hrs & 80kms, 3=6hrs & 60kms, 4= 10hrs & 100kms, 5=5hrs & 50kms, 6=3hrs & 30kms, 7=12hrs & 120kms)
- •travel type id type of travel (1=long distance, 2= point to point, 3= hourly rental).
- •from\_area\_id unique identifier of area. Applicable only for point-to-point travel and packages
- •to\_area\_id unique identifier of area. Applicable only for point-to-point travel
- •from\_city\_id unique identifier of city
- •to\_city\_id unique identifier of city (only for intercity)
- •from\_date time stamp of requested trip start
- •online booking if booking was done on desktop website
- •mobile site booking if booking was done on mobile website
- booking\_created time stamp of booking
- •from\_lat latitude of from area
- •from\_long longitude of from area
- •to lat latitude of to area
- to\_long longitude of to area
- Car\_Cancellation whether the booking was cancelled (1) or not (0) due to unavailability of a car.