

Capstone Project

Only Jupyter Notebook
→ Markdown
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Submission Date: 24th December 2023 23:59

Submission Email Subject:

Capstone Project - YourCabs

YOURCABS

→ ~~Uber, OLA, Bla~~

Radio taxi

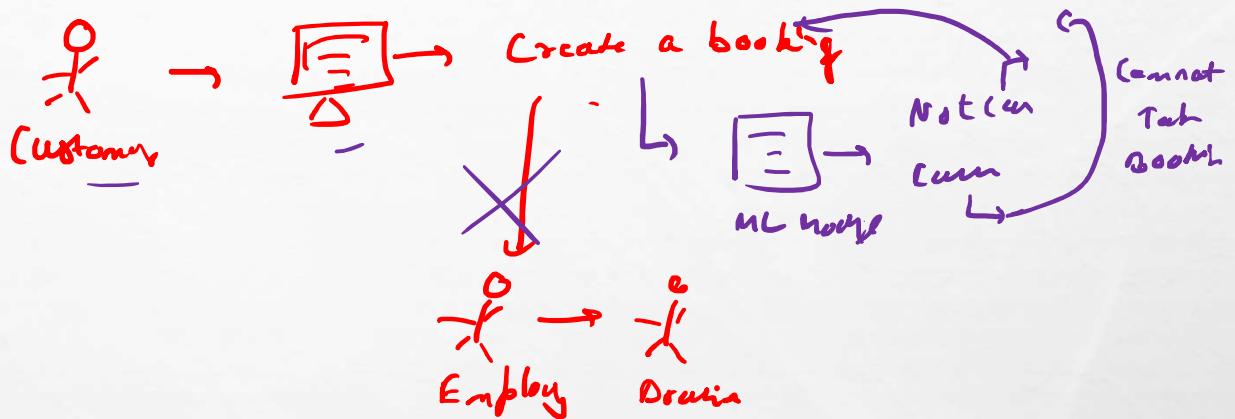
→ 2015 → Not an App-based Service

The business problem tackled here is trying to improve customer service for YourCabs.com, a cab company in Bangalore.

11th Dec 7 AM 10th Dec 9 AM

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.

YOURCABS



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

YOURCABS

Data Dictionary

- id - booking ID (unique)
- user_id - the ID of the customer (based on mobile number)
- vehicle_model_id - vehicle model type. → 22, 344, 41 X long dis → X P-P
- 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) Intercity ✗ A → B A✓ ✗ X long dis → X P-P
- travel_type_id - type of travel (1=long distance, 2= point to point, 3= hourly rental). Pincodes, Pictures
- from_area_id - unique identifier of area. Applicable only for point-to-point travel and packages → Pincodes
- to_area_id - unique identifier of area. Applicable only for point-to-point travel → Pincodes
- 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 → 0/1 → 0 } → Call Phone
- mobile_site_booking - if booking was done on mobile website 0/1 → 0 }
- booking_created - time stamp of booking ↙
- from_lat - latitude of from area ↙ } → fixed GPS cord , givin area Id
- 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.