

Submission to be done
as a Jupyter Notebook (.ipynb)

28th June 8:00 PM
↓ Doubt session
1:00 PM

Capstone Project

Submit to: sauveergoel04@gmail.com

Submission Date: 30th June 2023

↓
Reviews will be shared within a month of
the deadline = ..

→ Deadline

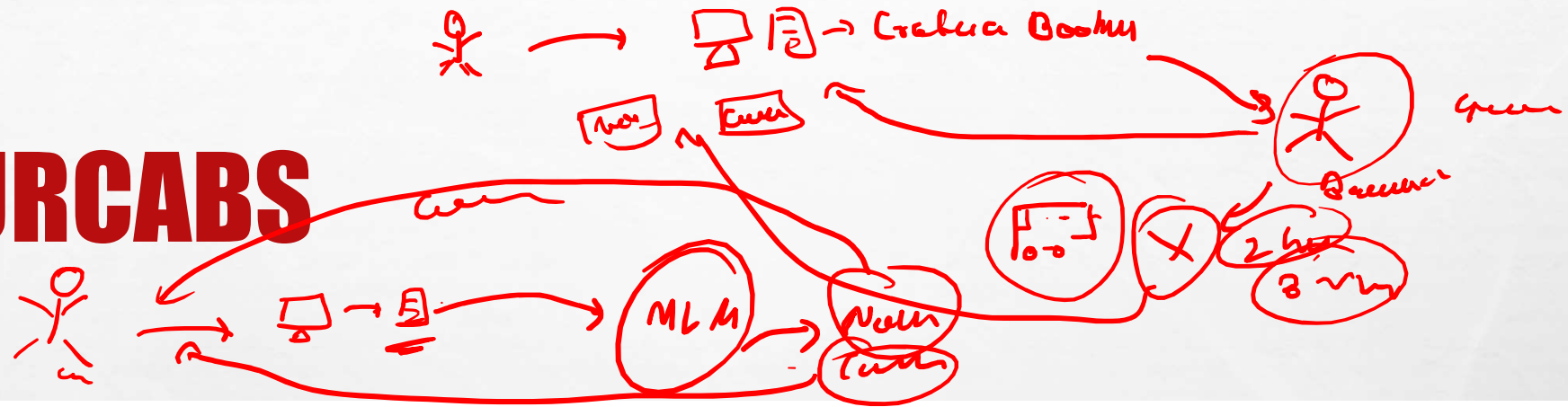
²⁰¹⁴
YOURCABS

Uber, OLA, ~~Rajeev~~
Radio Taxi
Airlines → 1-Day 8hr 1hr

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

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

50m

100m

- id - booking ID
- user_id - the ID of the customer (based on mobile number)
- vehicle_model_id - vehicle model type. → 100 → 10hr
- 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) → 10hr
- travel_type_id - type of travel (1=long distance, 2= point to point, 3= hourly rental). → 10hr
- from_area_id - unique identifier of area. Applicable only for point-to-point travel and packages (Pincode)
- to_area_id - unique identifier of area. Applicable only for point-to-point travel (Pincode)
- 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
- to_date - time stamp of trip end
- online_booking - if booking was done on desktop website 0, 1
- mobile_site_booking - if booking was done on mobile website 0, 1
- 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. → Target

0, 1
0, 1
0, 1 → Phone call