

Overview Page 2

Current interval &

(+ + 1 ) Current interval & Next time interval Chances of getting vide ? Ulier Revenue 1 Wait time I Drivers + Platform - Customers Syptem time Driver Partner Next time interval Area Surr Comand # of pickups

## Platlern

- 1) Increased Revenue
- 2) Trust \( \subsection \) Drivers.

  \[ \text{Lustomer} \rightarrow \text{Demand T Drivers.} \]

  \[ \text{Surge Pricing.} \]
- 3) Additional feature Edge

## Driver

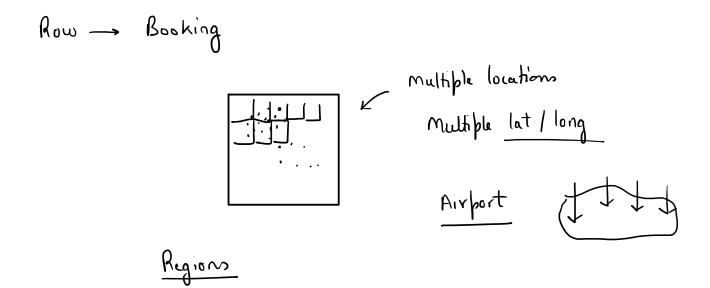
- i) Earnings 1.
- a) Plan his routes.
- 3) More inclined towards the platform.
- 4) lesser wait times.
- 5) lesser customer concellations.

## Customer

- 1) lower prices.
- 2) lener wait times and lenser driver canculations

3) Trust in the platform.

## About the Data



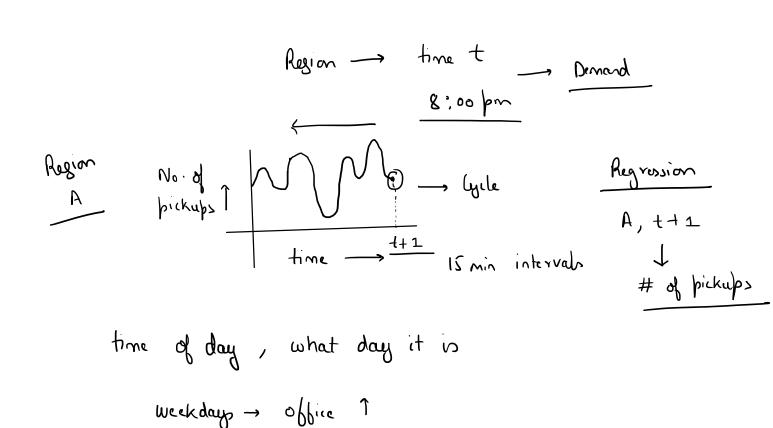
Task

1) Break down the city of NY into regions.

# of 8:00 pm

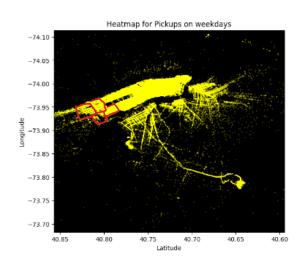
| pickups | 8:15 pm

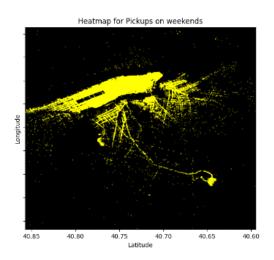
2) location coordinate / region.



weekends -> clubs, restaurants, theatres

residential -> offices
office -> homes





- 1) Regions -> Unsupervised ML techniques

  (lustering
- 2) Mistorical data time interval

  Time series analysis time series models.

  AR, ARIMA
- 3) Training the regressor -> 8:15 , Legion A
- 4) Évaluation MAPE (man absolute l'exentage Error)

$$MAPE = \frac{1}{N} \frac{1}{2} \left[ \frac{y - \hat{y}}{y} \right] \times 100$$

$$\frac{10-15}{10} \times 100$$
 = 50%.