

# REAL TIME PREDICTION FOR TAXI

TEAM 9

## TRIP DURATIONS USING



### BUSINESS PROBLEM



**CAB SCHEDULING ISSUES**

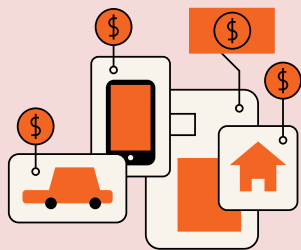


**NO ESTIMATE OF PEAK-HOURS**

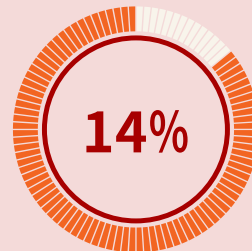


**INACCURATE SURGE PRICING**

We Utilized over 200 million records from New York City Open-Source Taxi data to build Machine learning models for predicting real-time trip durations in streaming fashion.



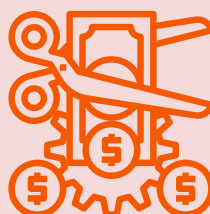
Uber Experiments  
Suggest Trip duration  
affects both  
Customer and Driver  
Experience.



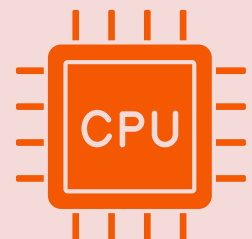
14% increase in  
average weekly driver  
revenues with  
Accurate Surge  
Pricing.



**BEST IN NETWORK LATENCY**

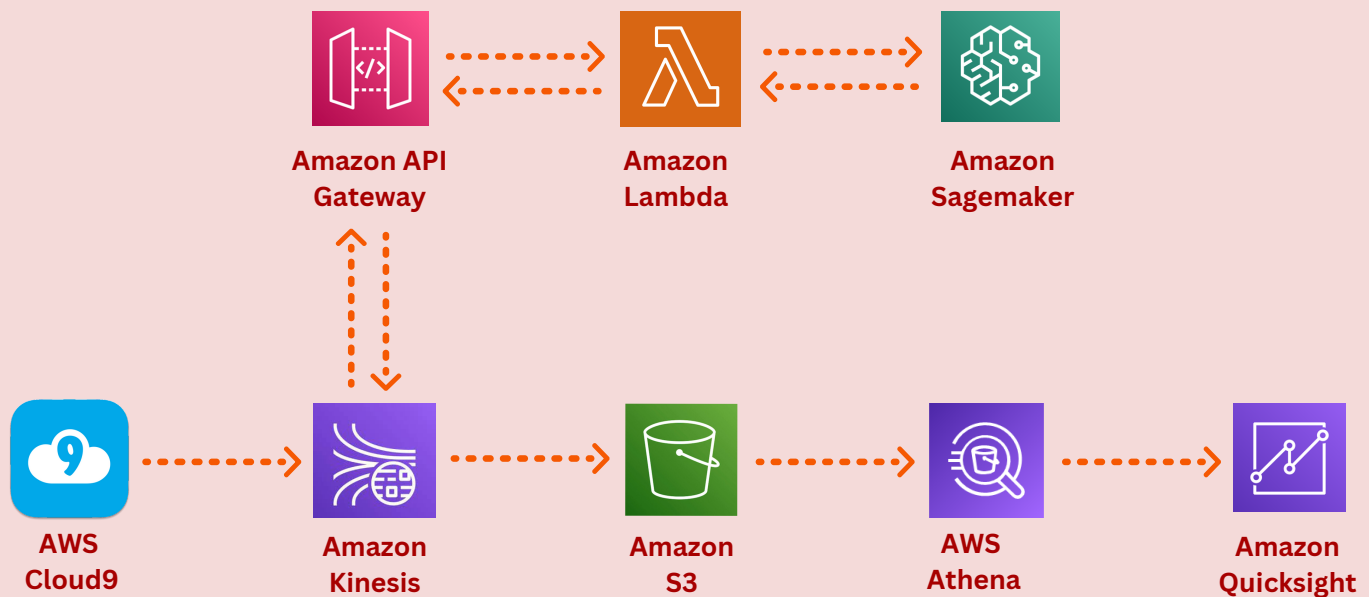


**COST EFFICIENT**

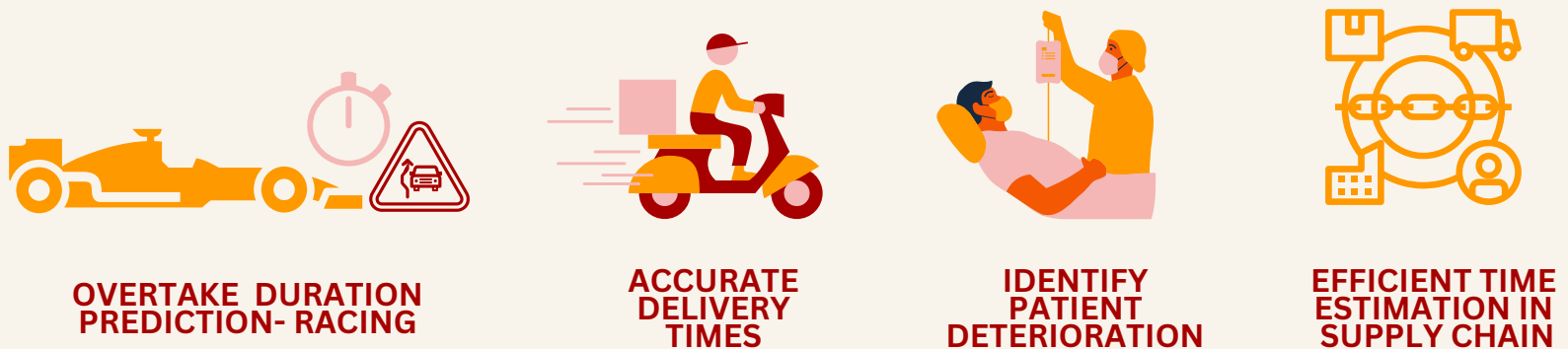


**BETTER CPU PERFORMANCE**

# TECHNICAL ARCHITECTURE



## INDUSTRY APPLICATIONS



## BUSINESS



## VALUE

### TEAM 9

JICHEN LIU

CONGYI ZHANG

SIMRAN SINGH

NIKITA SAINI

AKSHAY RAHUL

NAPHAT P.

GITHUB



YOUTUBE

