TEAM 9

REAL TIME PREDICTION FOR TAXI TRIP DURATIONS USING aws

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.

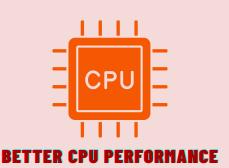




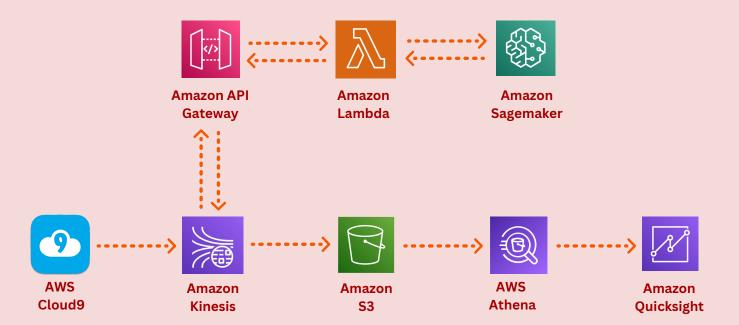
BEST IN NETWORK LATENCY



COST EFFICIENT



TECHNICAL ARCHITECTURE



INDUSTRY APPLICATIONS









OVERTAKE DURATION PREDICTION- RACING

ACCURATE DELIVERY TIMES IDENTIFY PATIENT DETERIORATION

EFFICIENT TIME ESTIMATION IN SUPPLY CHAIN

BUSINESS

Enhanced Customer and Driver Experience

Better trip estimations, thus no wasted resources

No Overtime for Drivers due to Peak Time Prediction



Simplified Dynamic Pricing Strategies

Real Time Dashboards & Geospatial
Visualisations

Improved Business Operations

TEAM 9

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