Capstone: Sprint 2

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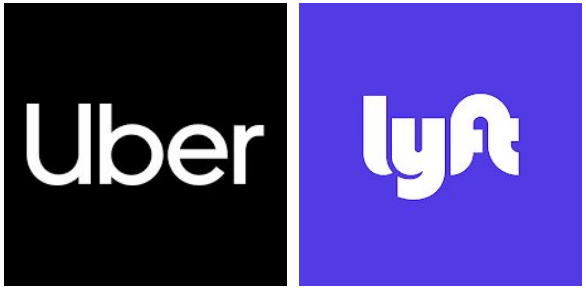
A non-technical overview of the problem statement, your proposed solution, and an estimate of the potential impact of your solution.



- Uber and Lyft drivers can gain from insights to increase earnings and efficiency
- Predicting conditions that will activate the Surge Multiplier
- Leading to reduced traffic when rideshare demand is high

An overview of the dataset and preprocessing procedures

- Cab_Rides dataset: Price, Time_Stamp, Distance, Surge_Multiplier
- Weather dataset: Temperature, Rain, Wind

A few important findings from EDA

Time_Stamp conversion needed for cab_rides.csv dataset

Temperature: highest number of rides completed were completed in ~40-41(°F) weather.

Wind: most rides completed were completed in ~10mph wind speed

Baseline models and evaluation metrics

Time Series - Moving Average

cab_rides.csv dataset

- `time_stamp`
- `location`

Next steps for advanced modeling and productizing work

Advanced Modeling

- decide on model
- preprocessing