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

`temp` - 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