

Uber

vs

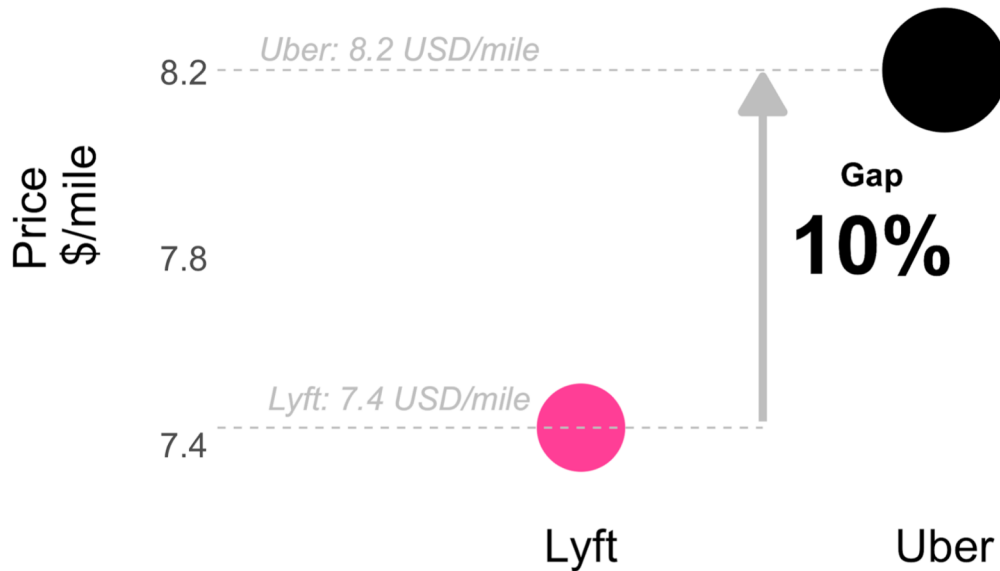
Lyft

Xuxu PAN
Wenjie DUAN

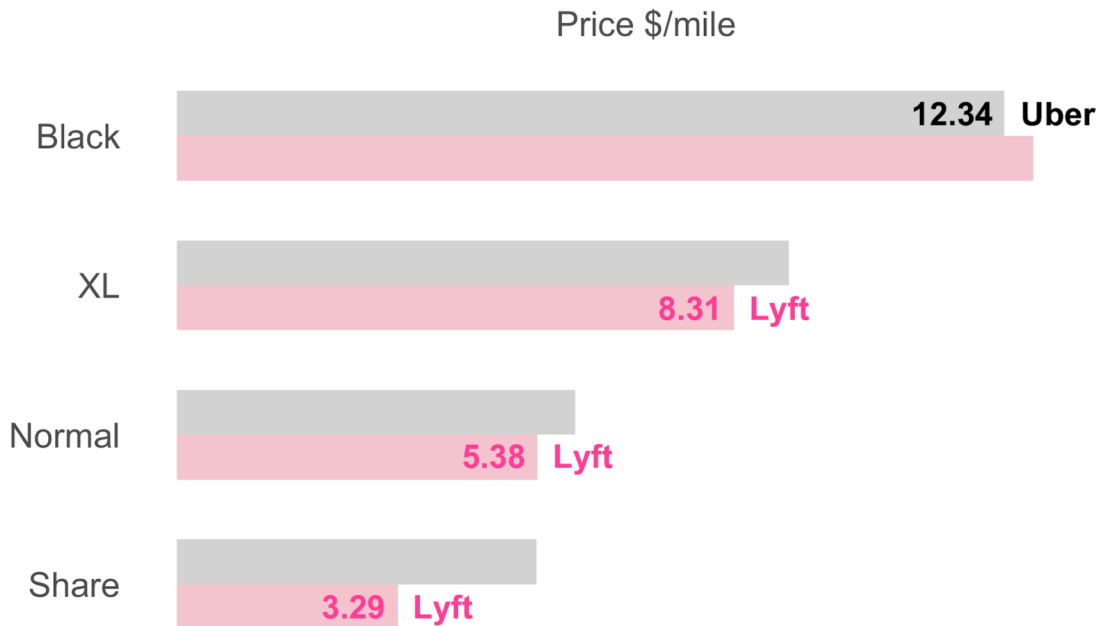
Dataset

- Cab Data
 - Realtime data queried every 5 mins of Uber and Lyft
 - From Nov 26th to Dec 18th 2018, in Boston
 - Observations: 693,071
 - Variables: price, distance, cab_type, surge_multiplier, name, time
- Weather Data
 - Joined with cab data on time and location
 - Weather information collected every 1hr
 - Observations: 6276
 - Variables: temp, rain
- Source: <https://www.kaggle.com/ravi72munde/uber-lyft-cab-prices>

Average Price



Cab Types

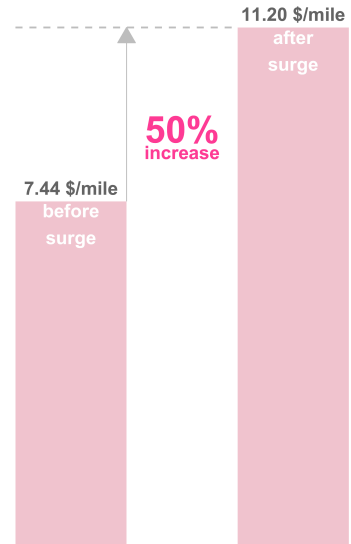


Surge

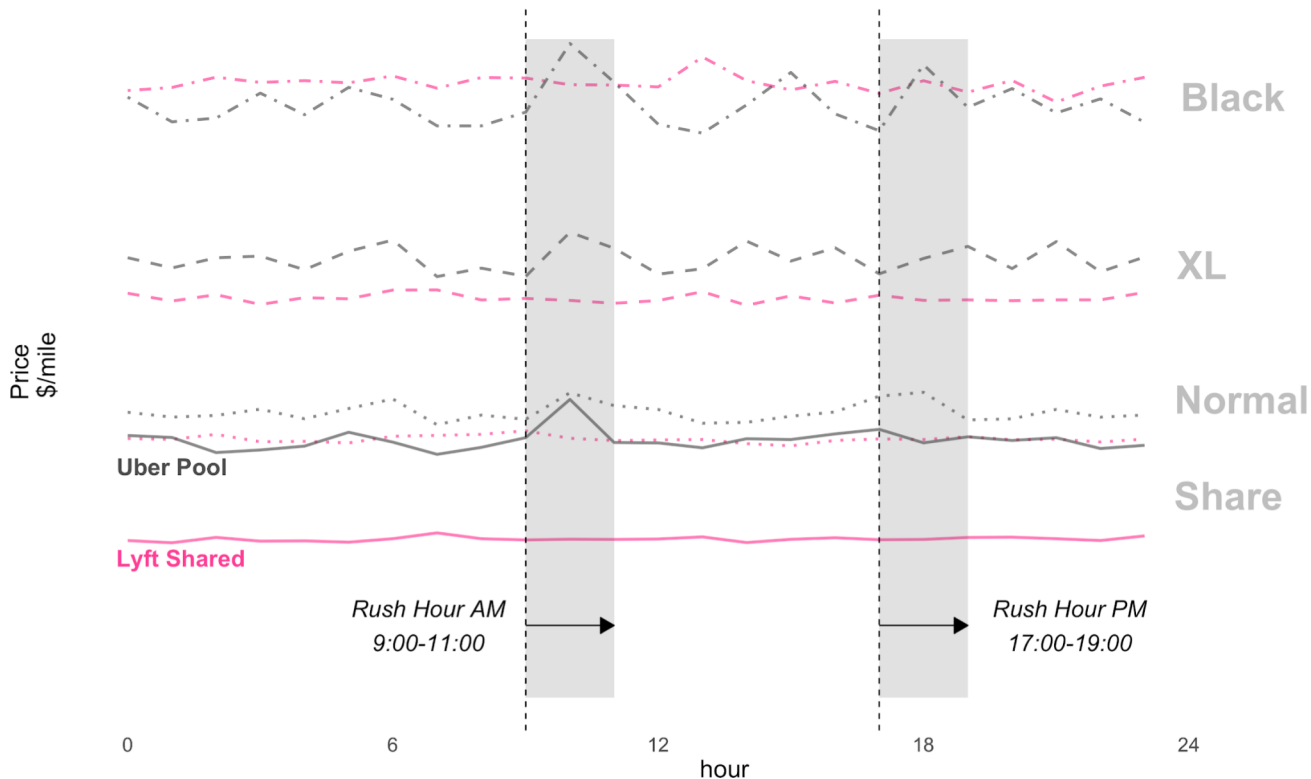
Surge Multiplier
Probability

| Company | Surge Multiplier Probability |
|---------|------------------------------|
| Uber | 0% |
| Lyft | 6% |

Data Collected in Boston during Nov 26th 2018 ~ Dec 18th 2018



Rush Hour



Weather



Raining drives up the demand

Sunny

Rainy



Coldness drives down the demand

Above 32F

Below 32F

Thanks for your attention!