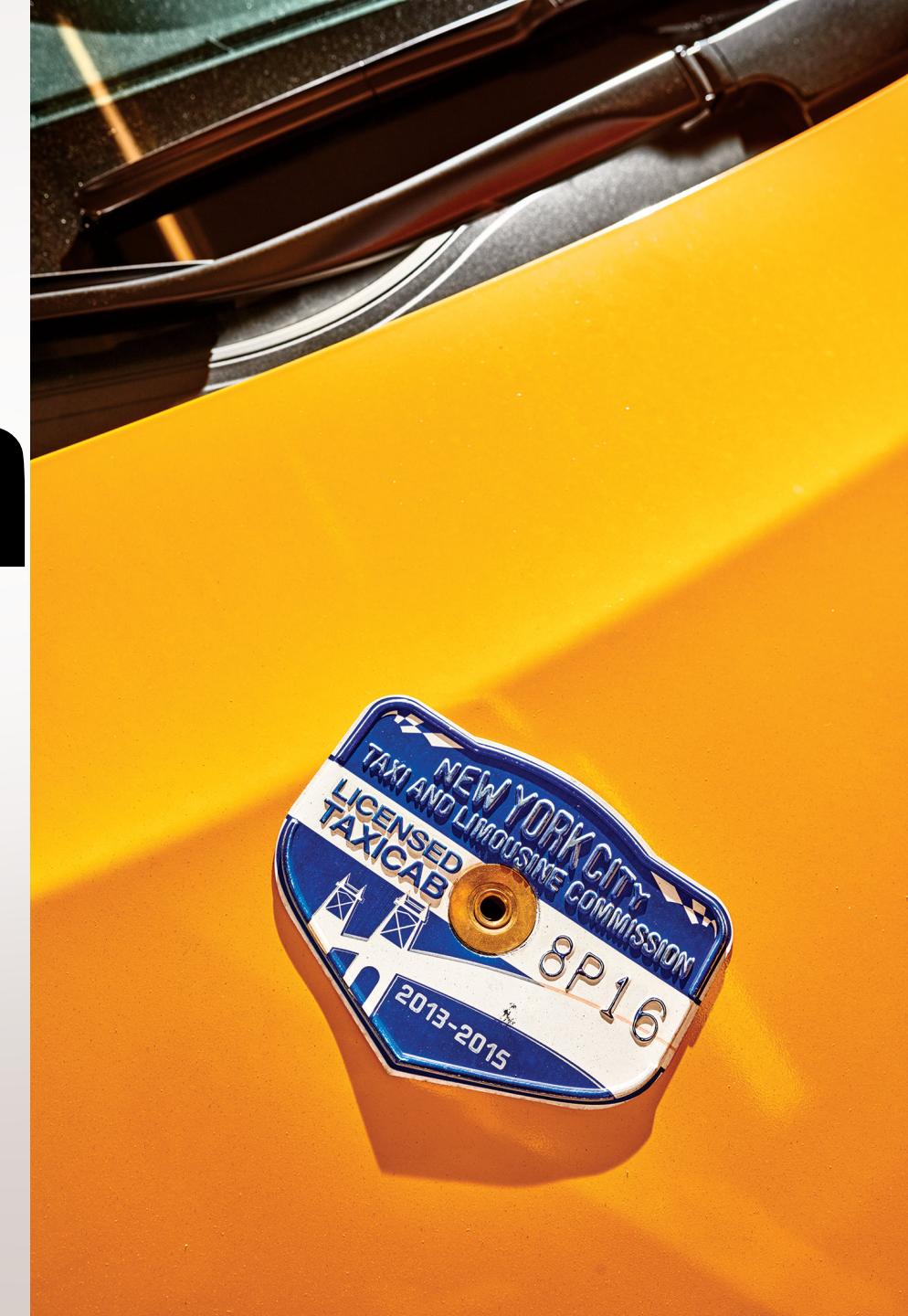


NYC Taxi Data

Abhishek Das



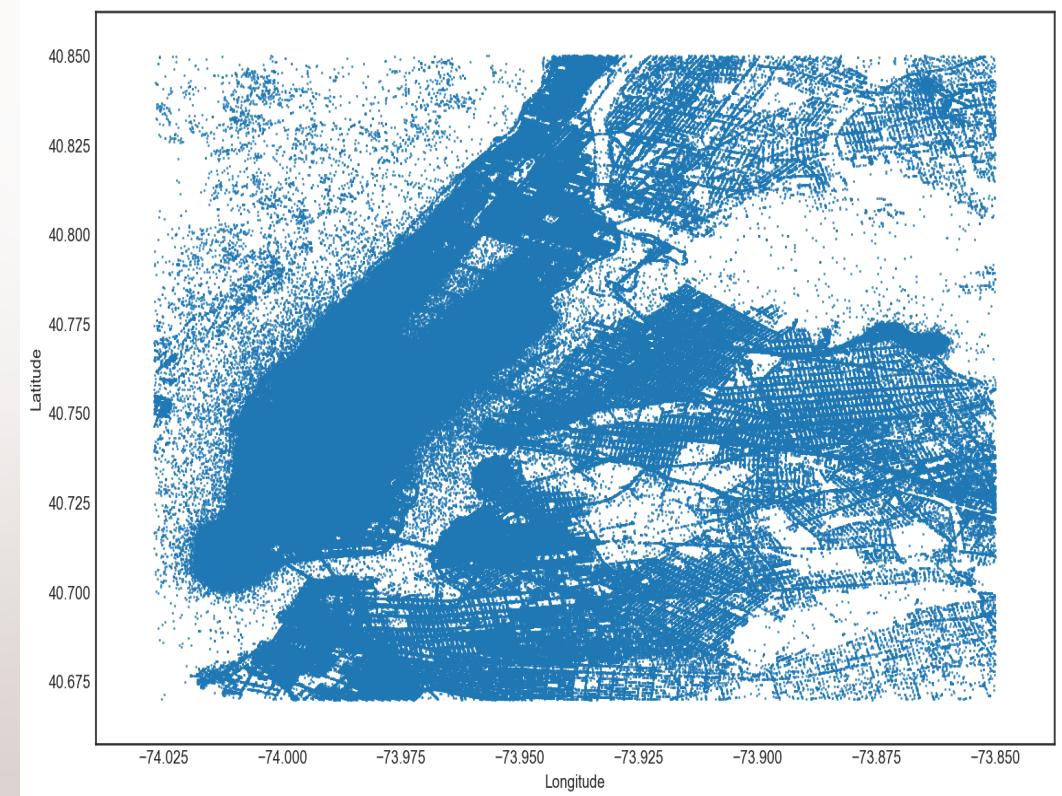
One Month

2 companies

13,276 taxis

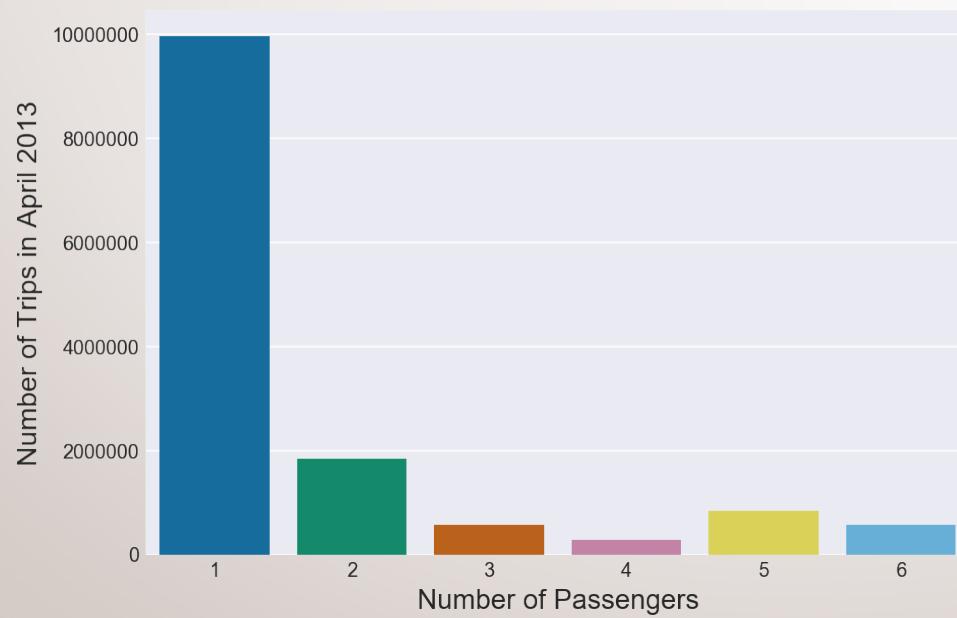
34 million miles

\$184 million in revenue



Passengers

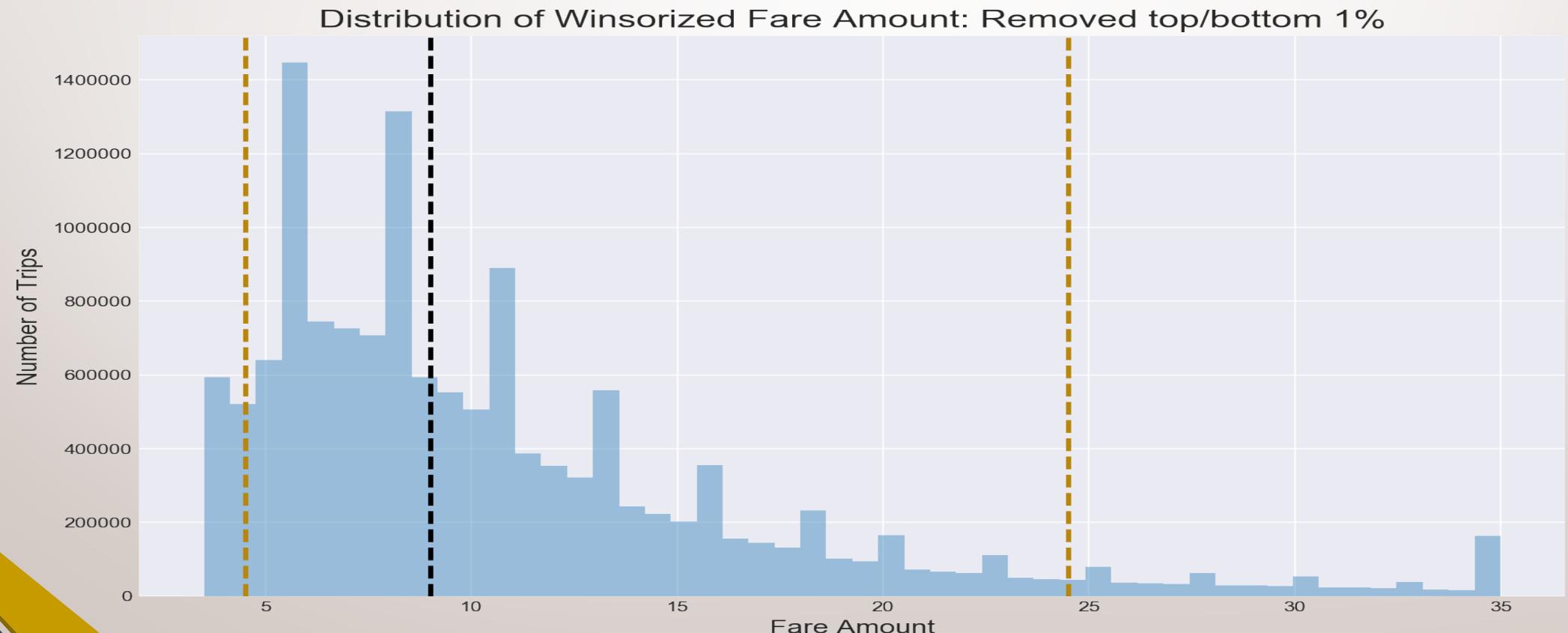
Nearly 10,000,000 cab rides with a single passenger



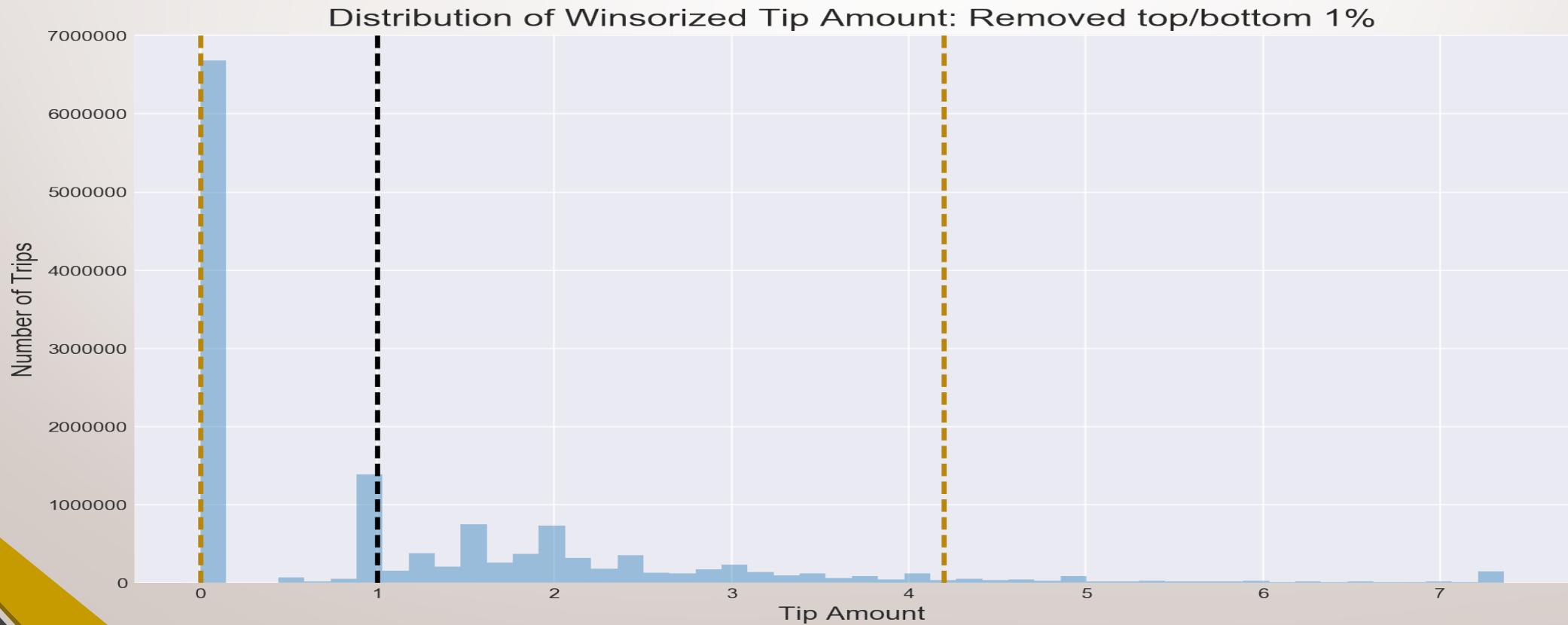
53.9% of trips are paid for with credit card



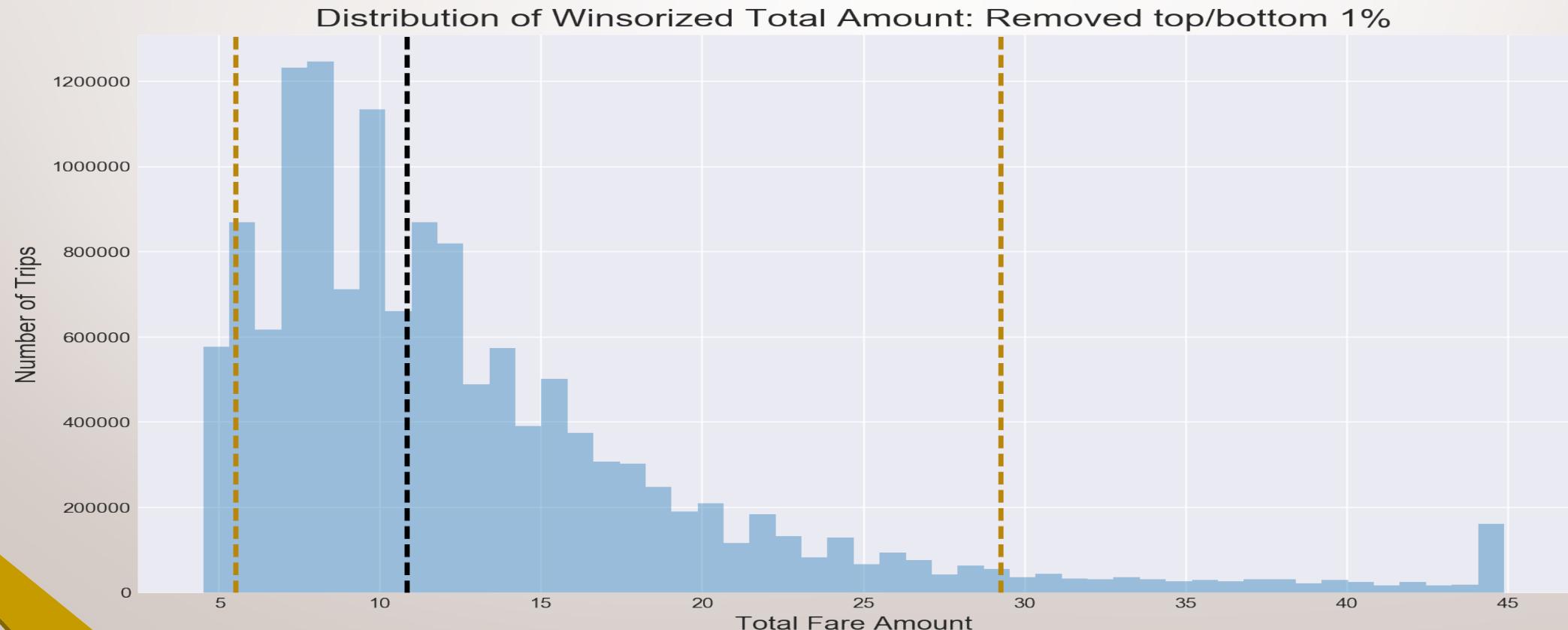
Most fares are under \$35



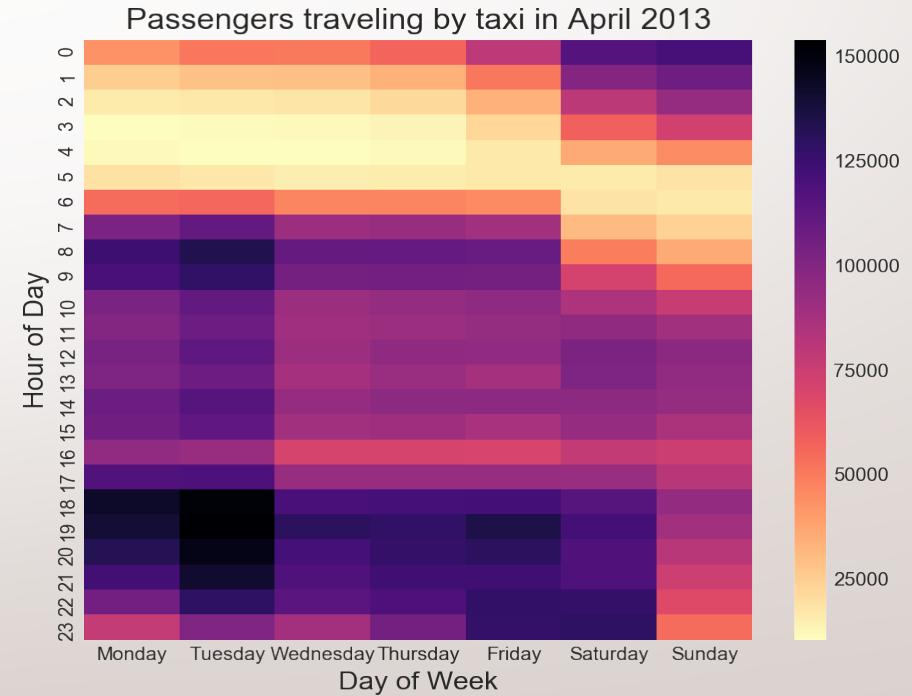
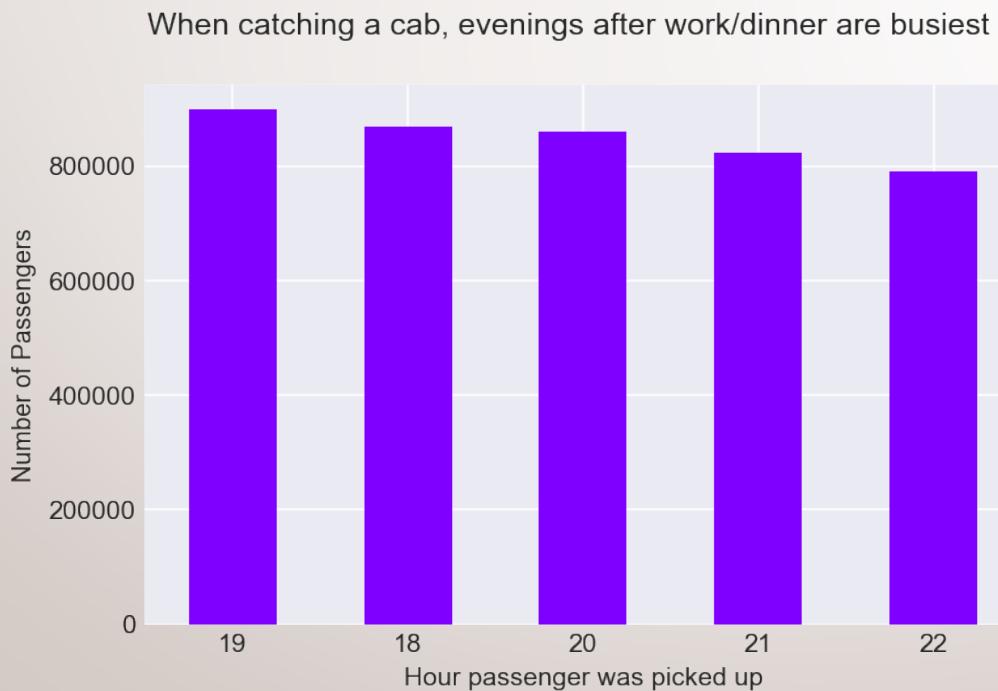
Low tips reported



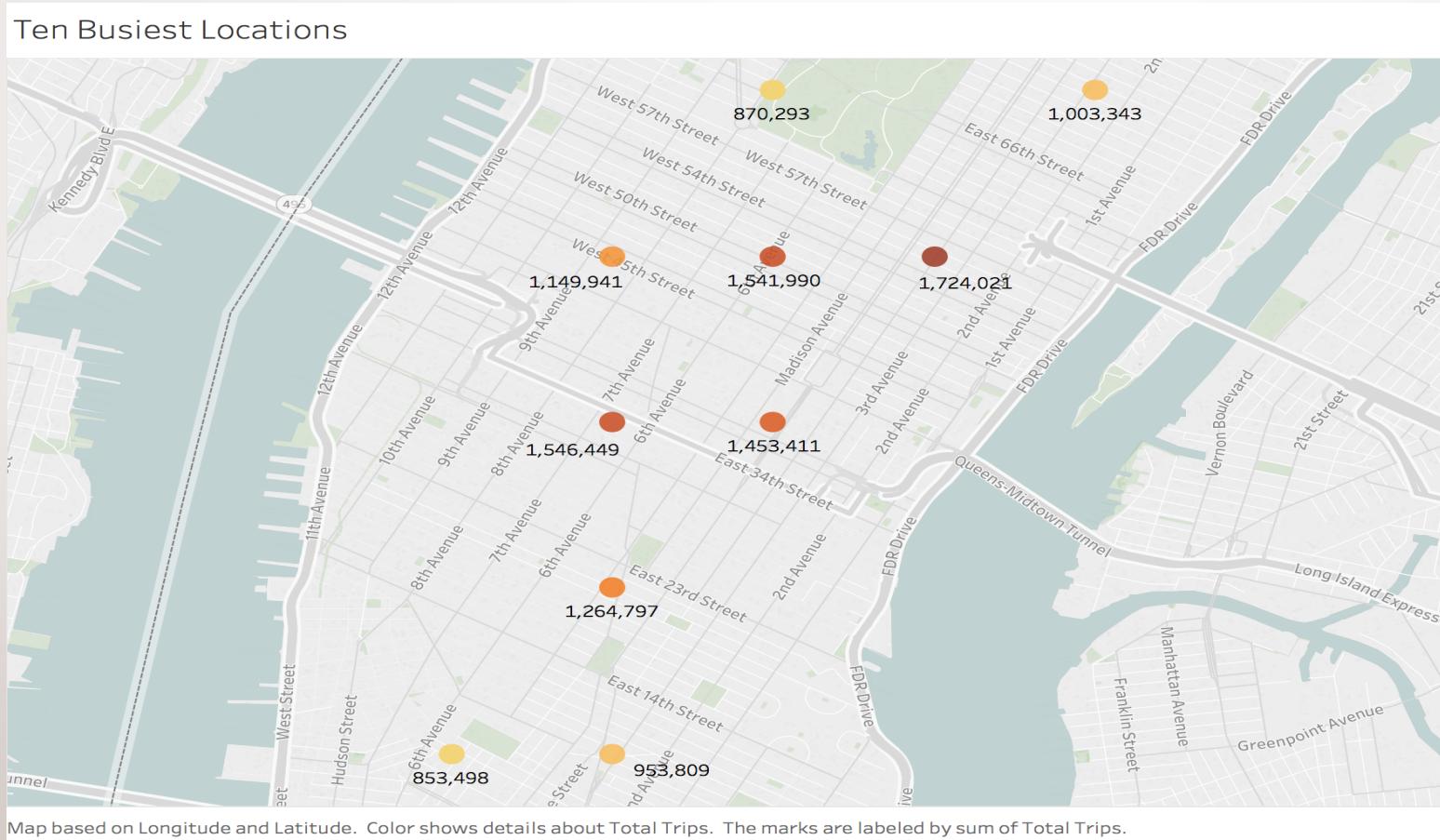
Total Amount below \$45



Mon, Tue & weekend evenings are busiest

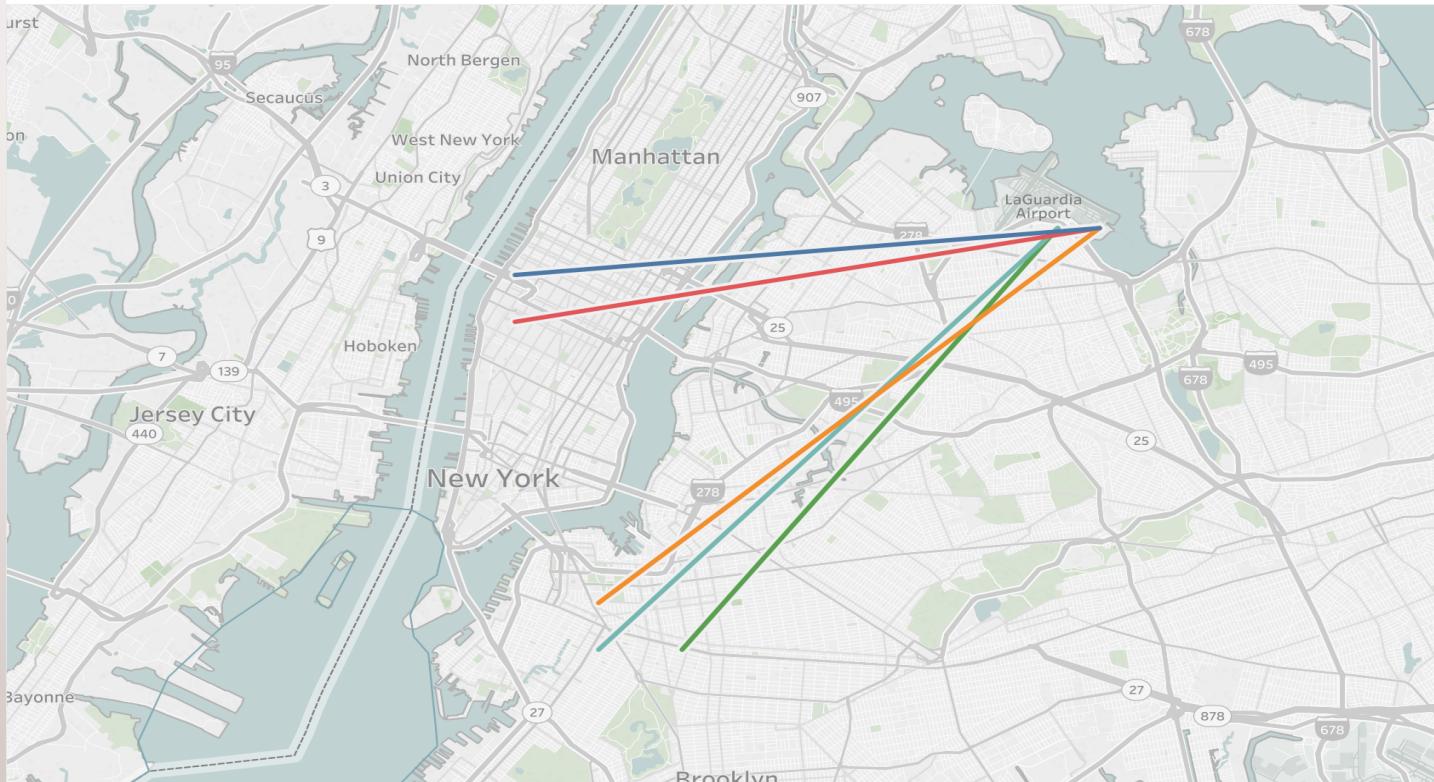


12.36m trips in Manhattan



Airport travel times fluctuate

Trips from LaGuardia Airport have the highest standard deviation of travel times



Map based on Longitude and Latitude. Color shows details about Path ID. Details are shown for Path ID.

Shorter fares reliable



Minimum Sample Size

Margin of Error = 5%

Confidence Interval = 95% -> Z-Score = 1.96

Standard Deviation = 50%

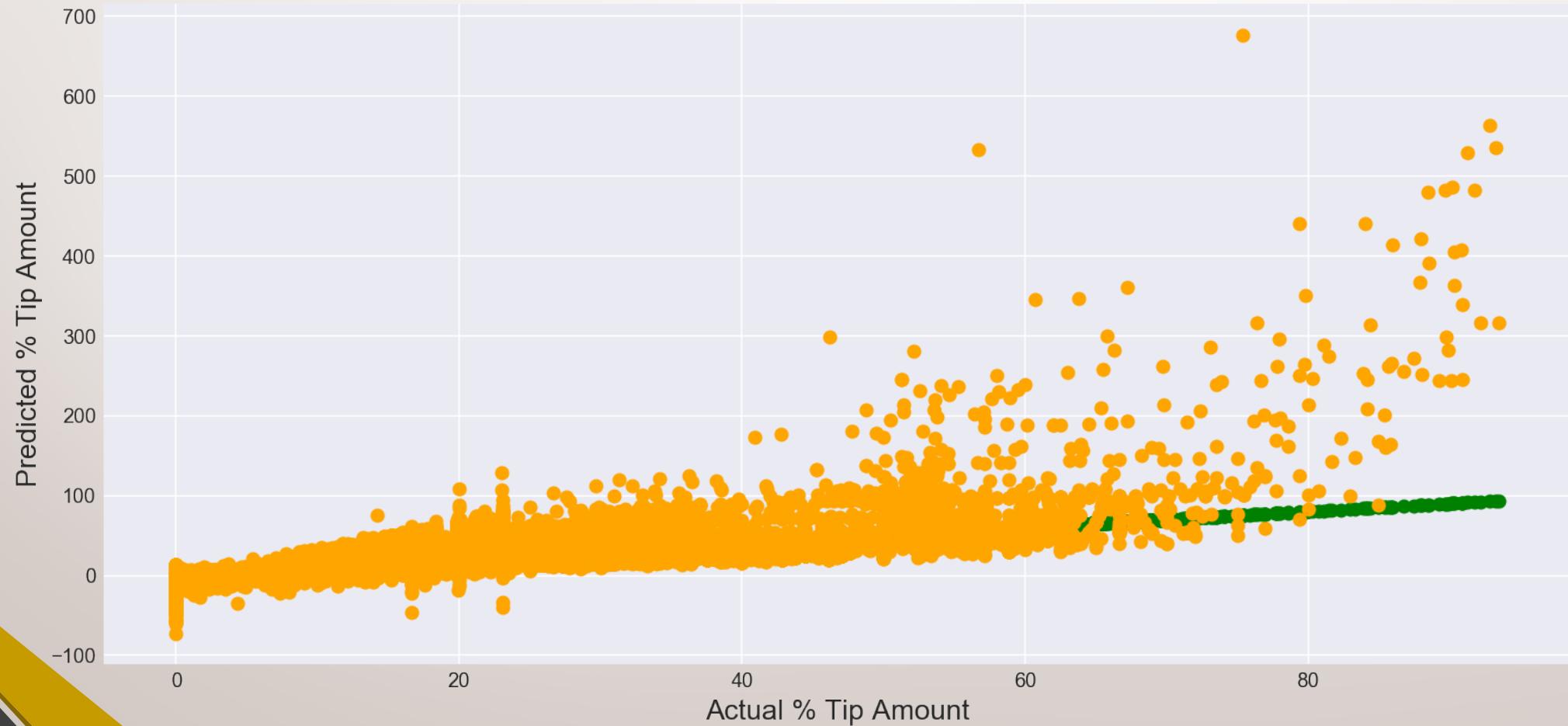
Sample Size = $(1.96 * 0.5 / 0.05)^2 = 385$ trips

Predicting Taxi Fares

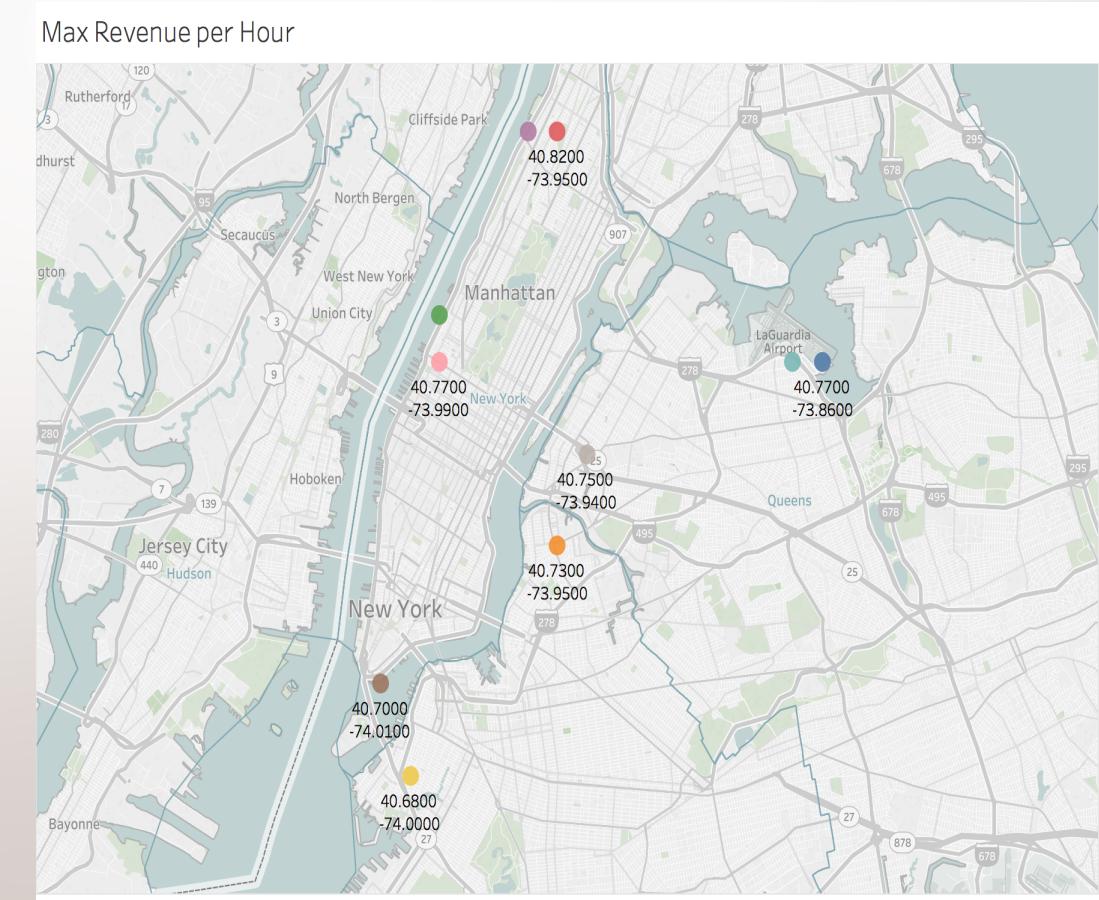
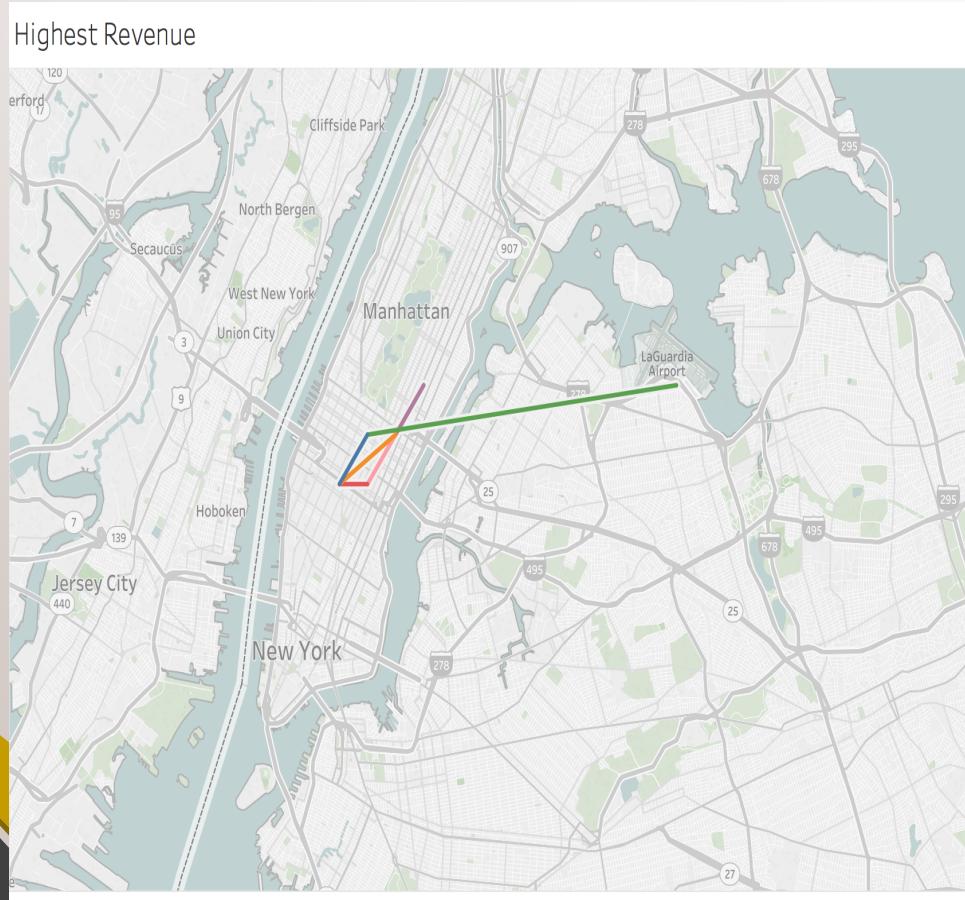


Predicting % Tip

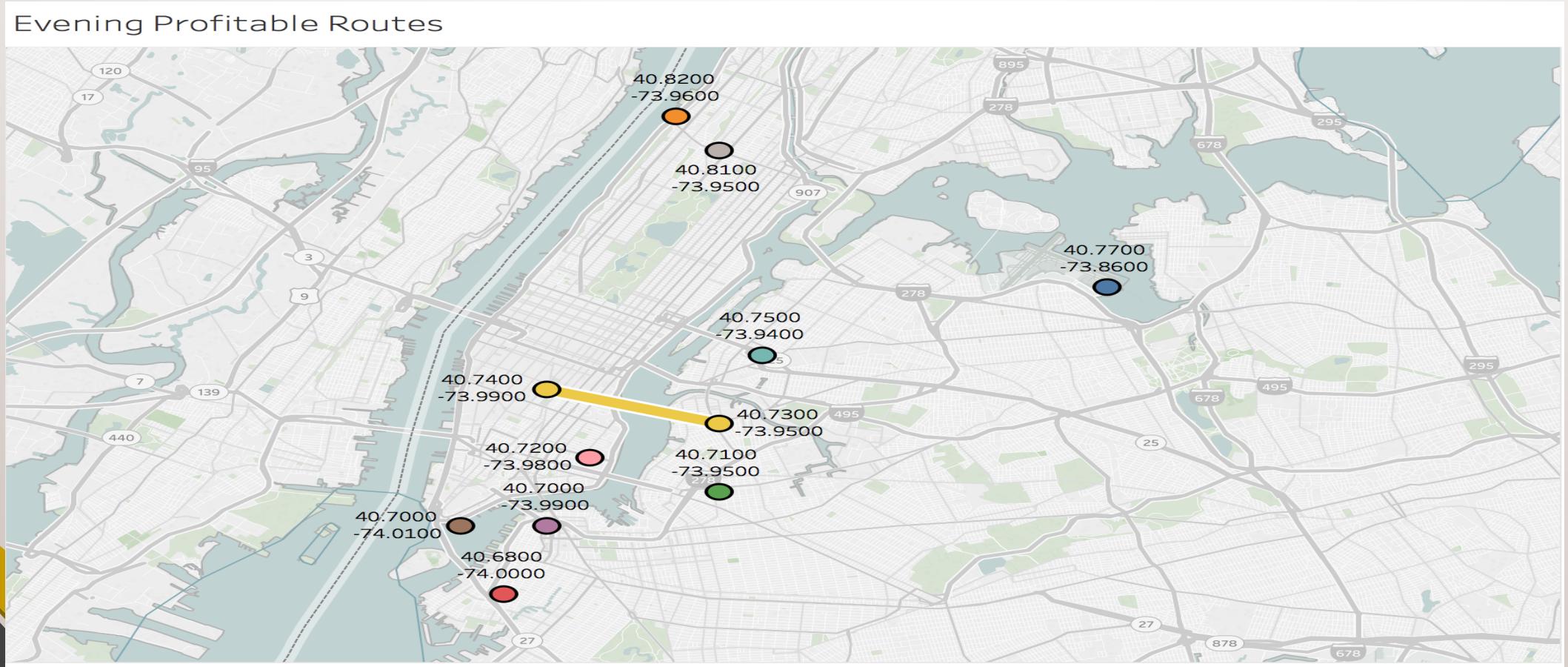
OLS Prediction of NYC Taxi Tip Amounts has 70% R-Square



Maximize Daily Earnings



Profitable Evening Routes



Non-Crowded Trips

Highest Revenue from Non-Crowded Trips

