

Trip Counts

Wind Speed

Code ▼

500 250

CTime_Space_FE

DTime_Space_FE_timeLags

ETime_Space_FE_timeLags_Features

Hour

Mean Abs Error, Test Set, Model 4

Variable

Apr 09

The highest error is in and around the Financial District in SF. That area has the highest bike ride number, hence why the error is also high. The CBD area is so important to SF that modeling some specific exposure features to that area might help improve the

Observed Prediction

Code

Code

Overnight

500 250

results.

20

Predicted trips

30

Mar 26

7.2 Specific Error Metrics

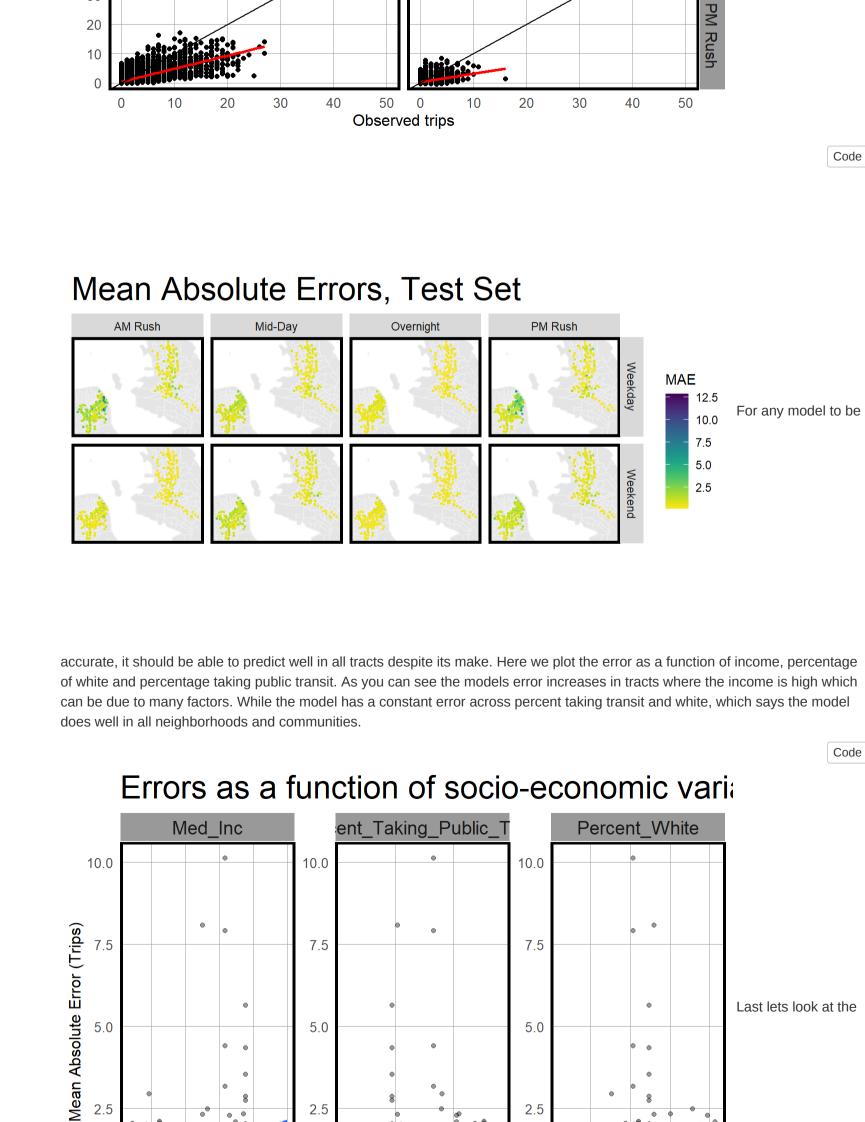
##

##

##

##

MAE The ridership is high during the weekday as compared to the weekend, hence why the errors are higher in the weekday predictions. Similar observations can be made while looking at the time of the day i.e. the morning to night rush. This has been visualized both as a scatter plot and a spatial plot as seen below. Observed vs Predicted Weekend Weekday 30 20 30



Rideshare pickups for one week in March 2018 15 minute intervals: 2018-03-12 00:00:00 Trips 0-2 trips

0.4

value

2.5

0.0

0.2

50000100001050002000002250000

trip count by station as an animation for one week during March.

0.0

5.0

2.5

0.0

0.2

2-5 trips

Code

