**Improvements:**

1)if given time and high performance system below models can be implemented for better fit

- Randomsearch with decision tree

- Randomsearch with Randomforest

- Gridsearch with Randomforest

- XGboost with and without hypertuning

2)Code can be structured well and productionsed

3)Postal code can be converted to lat long and be further used for feature

4)Datapoints like gps data(traffic), customer rating, rider rating, restaurant, rating, weather condition (Monsoon season may have bad delivery)

5)Better tools for enterprise model

6)Insights can be derived using timestamp month to understand which month has bad delivery.

7)Once the good and bad delivery model is assigned. That can be given input to classification model that can predict bad or good model

8)Performing Multicollinearity

**Frontend proposal:**

Model Can be packaged into .pkl file and can be deployed in to flask

Important features can be input which would in response can provide bad and good delivery

Geo-spatial view can be built to design optimal path for driver considering traffic and road type (bumpy, harsh, smooth)

Location attributes like speed limit, Highway/residential, urban, waiting time due to signals