

DA331

MID-PROJECT REPORT

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OVERVIEW

The project aims to predict the NYC Taxi fare based on some given parameters. The dataset used in this project is provided by the New York City Taxi and Limousine Commission. This data is released on a monthly basis.

The fare prediction algorithm aims to capture the city's commuting habits, discern peak travel times and the geographical areas of significance.

ROADMAP

01

EXPLORATION

Data Exploration

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BACKEND

Construct API's

ROADMAP

04

FRONTEND

Frontend Development

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FRONTEND + BACKEND

Dockerize & Connect

06

FINALIZING

Test and Deploy

CURRENT STATUS

Data Exploration

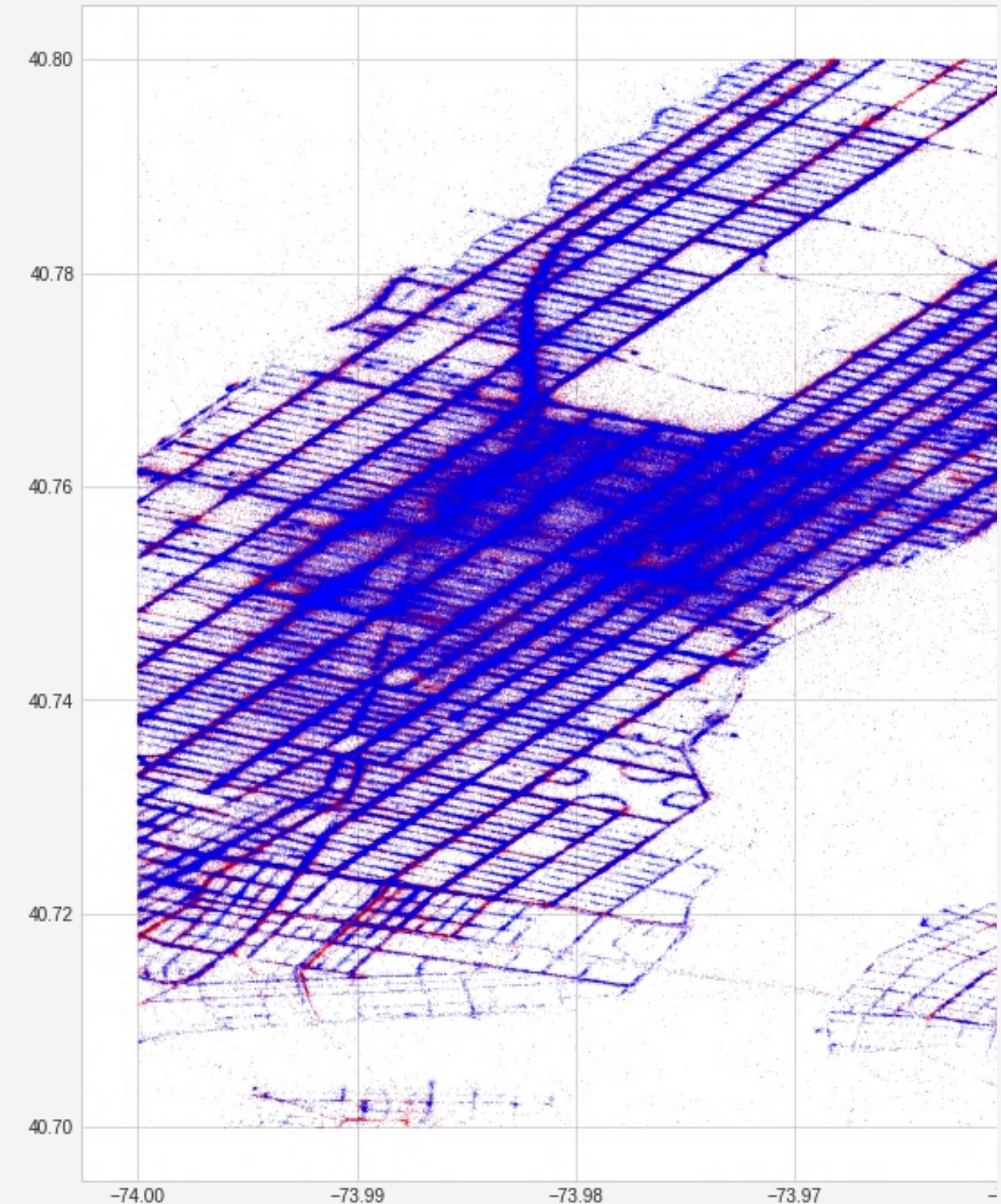
Data has been explored to find out outliers and what to clean.

Model Building

From various ML models, XGB has been chosen due to its performance and mixture of categorical and continuous data

Backend Development

Django has been chosen due to language familiarity and ease of use



CURRENT STATUS

Frontend

For using the model, a Android App will be made, which will allow the user to punch in pickup and dropoff location and get a predicted fare



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THE END

Any Questions?