ACAM Digital Transformers
Parking Tickets Toronto

Ali Kashani
Artem Lobodanov
Chris Habib
Mehrdad Tavakkolian

Objectives

Parking fee and parking ticket are part of an everyday challenge for commuters in Toronto. Analyzing the historical data would provide useful information for the City of Toronto.
City could use our prediction to forecast income and plan resource management for the parking enforcement division.

Project's **Workflow**

Gather the parking data for the city of Toronto (2012 to 2018) over fifteen million records

Demonstrate the ticket category and location based on address and time. User interaction required at this point, by providing the time and address web app creates a visual output of safe locations for parking with minimum risk of getting a ticket.

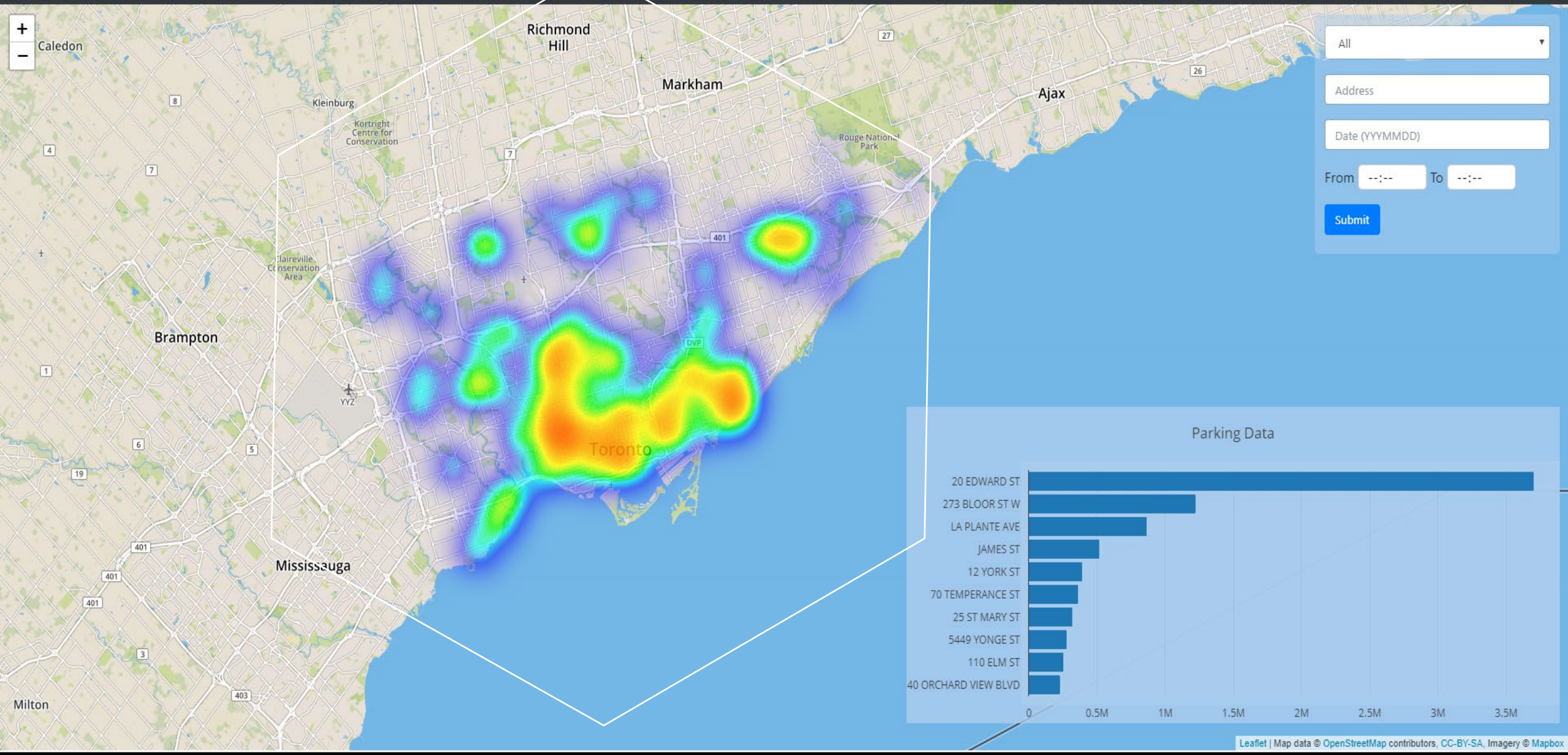
Using Machine Learning algorithms to forecast the income generated for the City of Toronto
We use 2012 and 2017 data to train the ML, and we use 2018 to test our predictions.

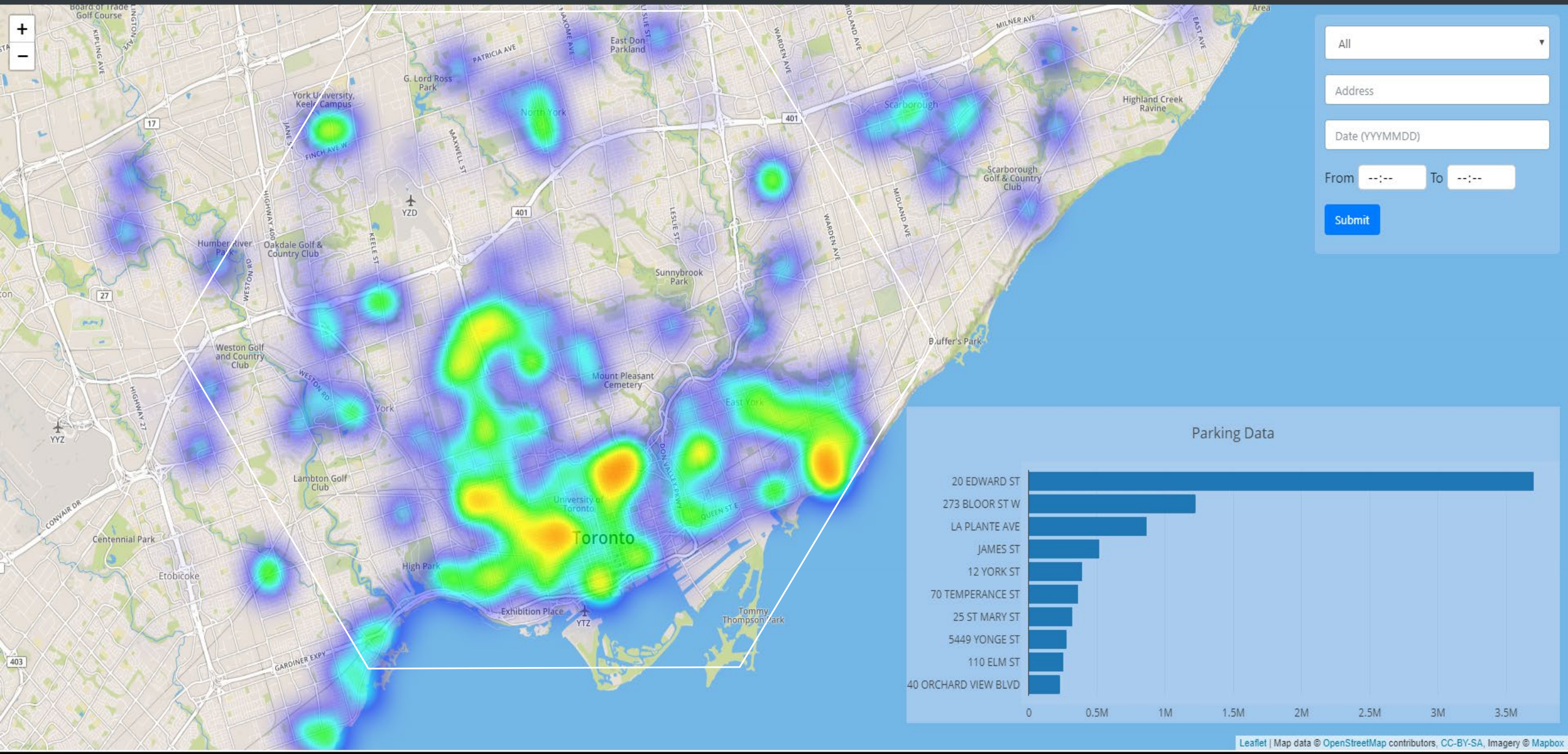
- Predict monthly income
- Predict locations with most tickets
- Predict most frequent ticket types

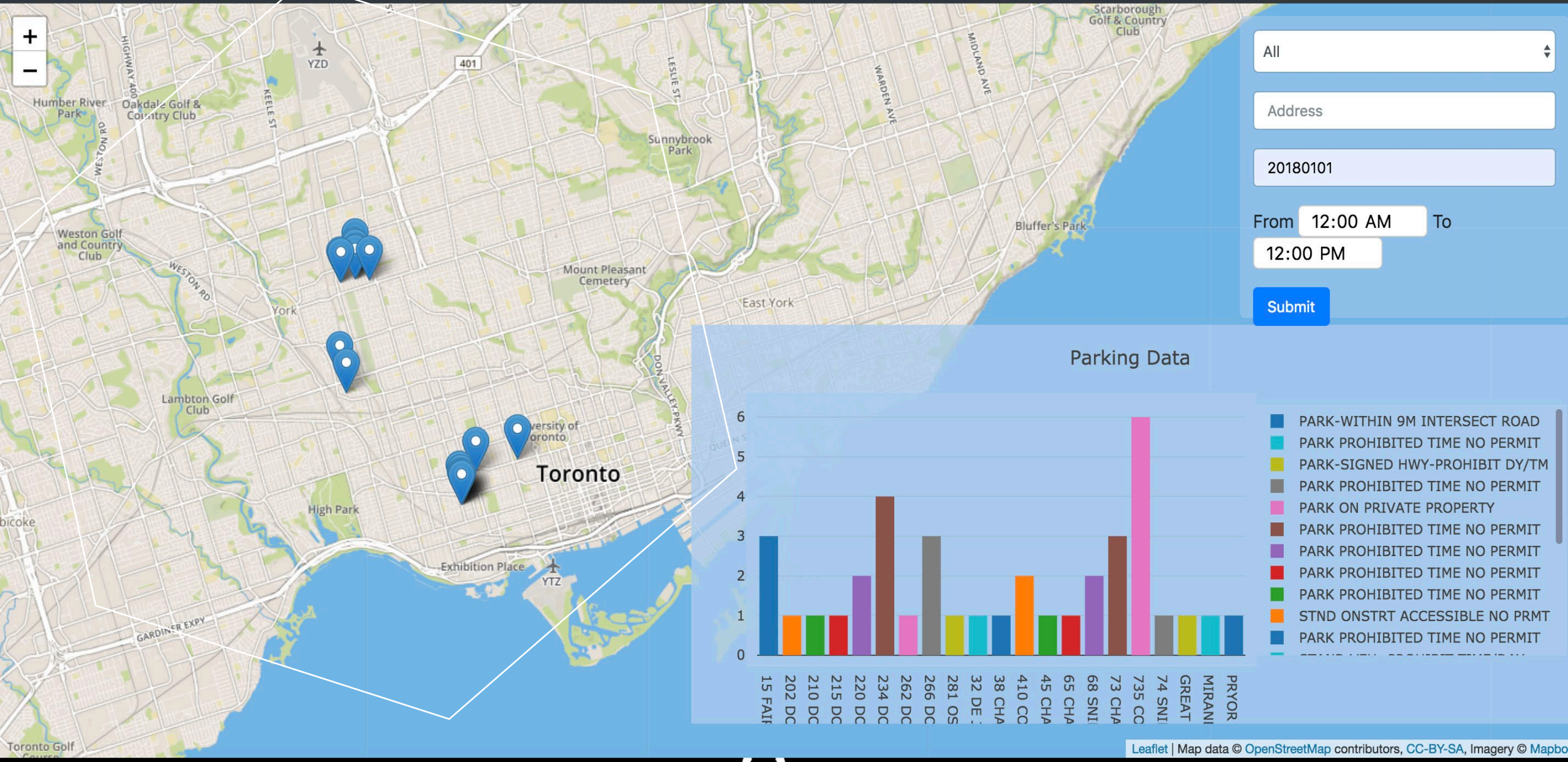
1. Data Cleanup via Panda and convert it to SQL database (10.000 records)
2. Data migration from 10.000 records to actual data set.

Use "Mongo DB" to import the actual data set.

Update the web portal and include predictions based on the historical data. (dropdown)







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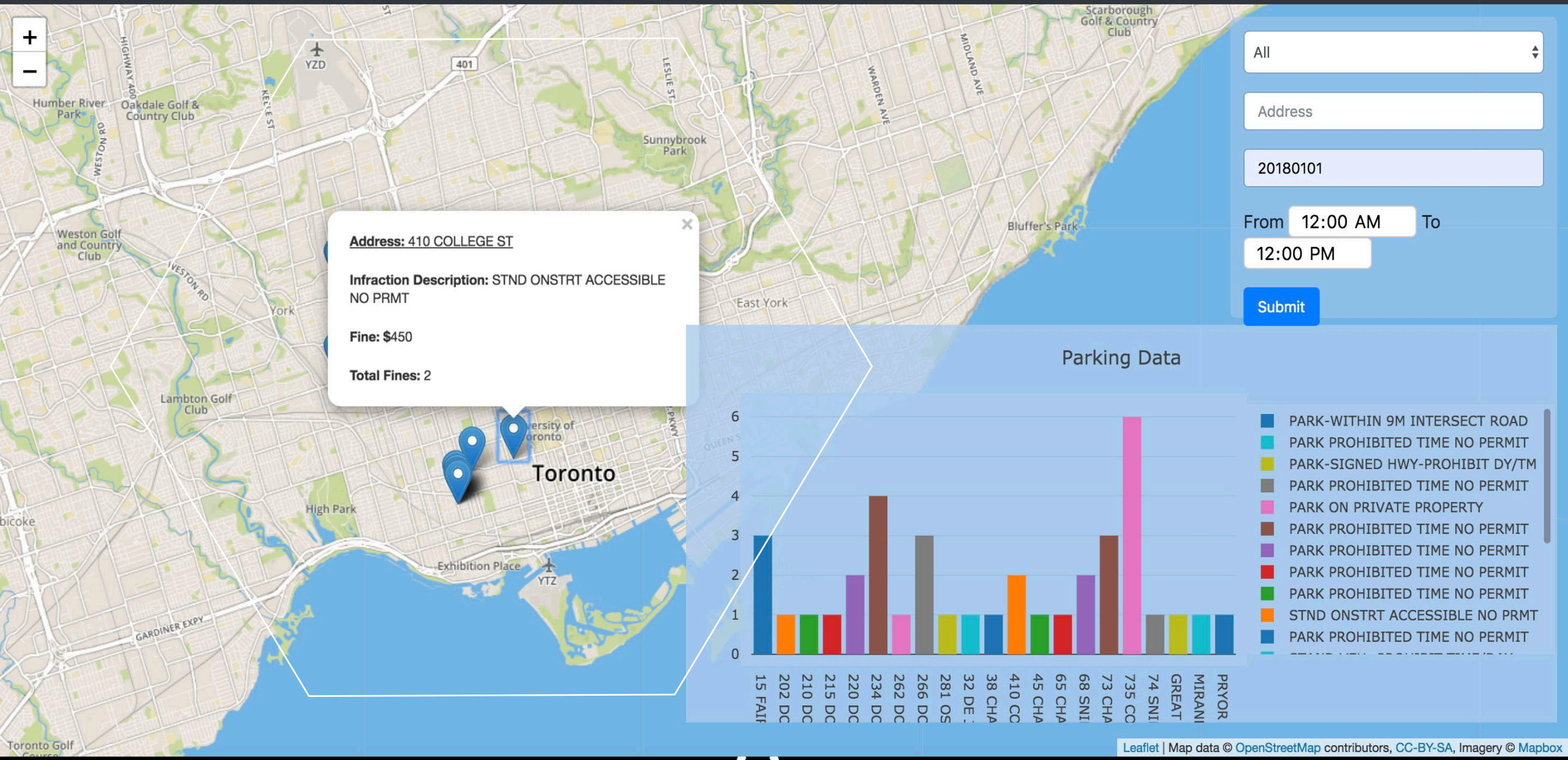

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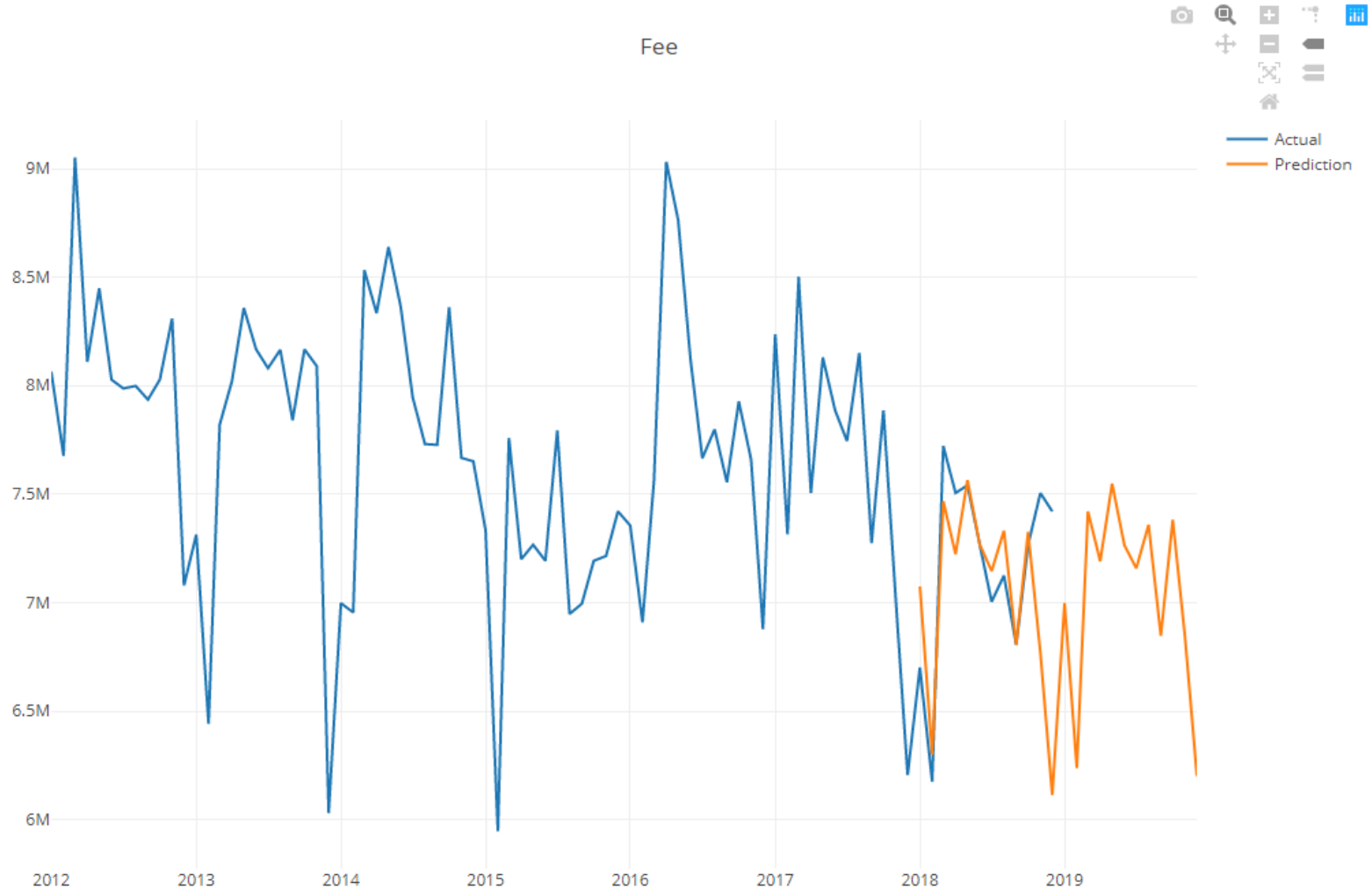

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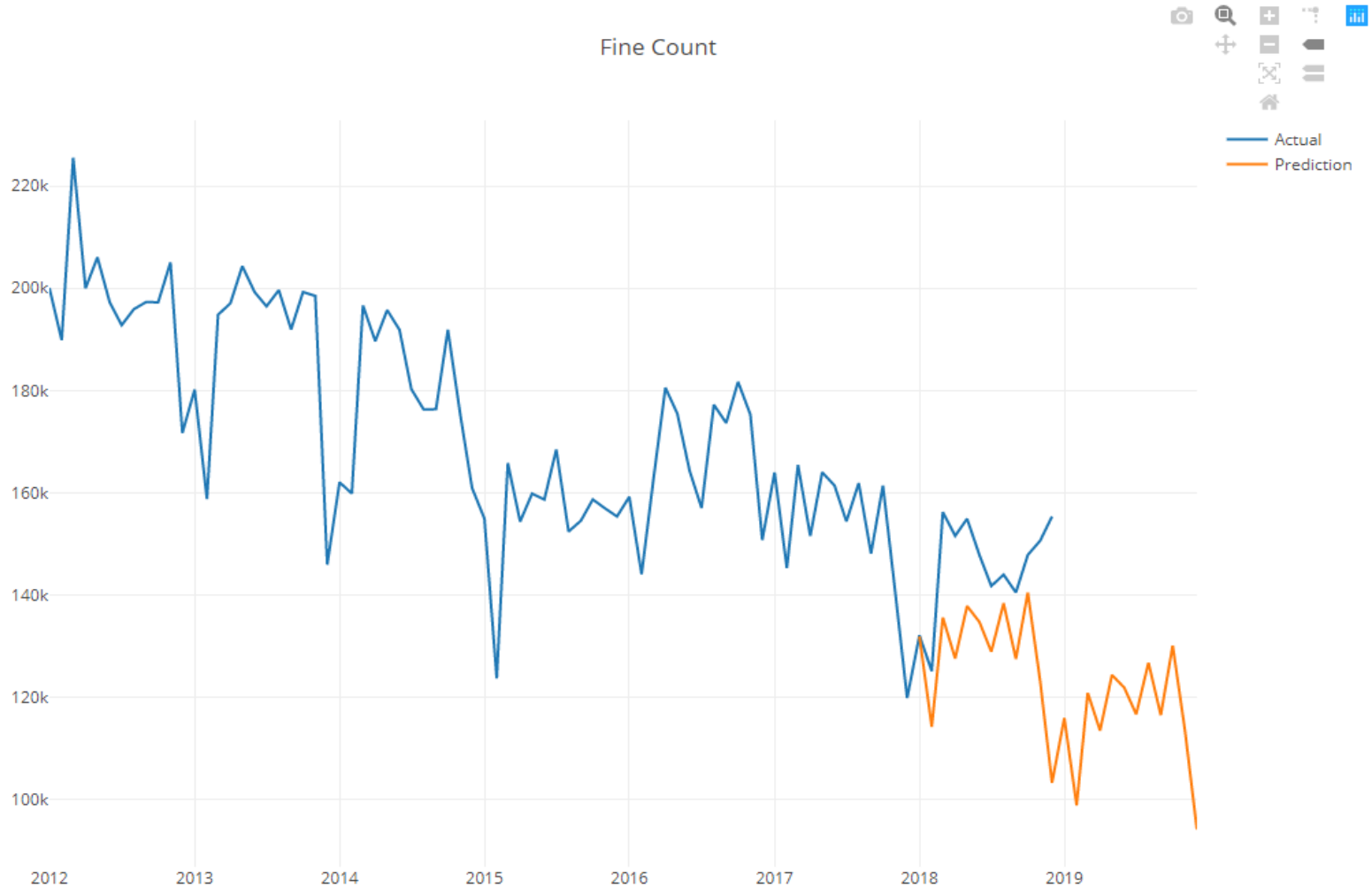

Live Demo