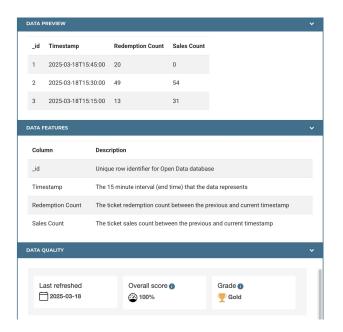
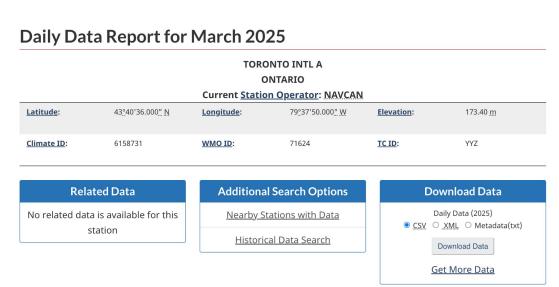
## Transit Demand Forecasting

Firoz Kabir

## **Datasets**





## Sources:

- https://open.toronto.ca/dataset/toronto-island-ferry-ticket-counts/
- https://climate.weather.gc.ca/climate\_data/daily\_data\_e.html

## **Additional Details**

- Forecast transit usage demand from time series data
- Join historical transit usage data, weather data, holiday indicator
- Facebook Prophet is easy to use, but does not allow multiple features
- XGBoost is more complex and tunable
- Apply lag features and perform cross validations