

# MTA DATA Analisisist

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# Business Need or Business objective

# Climate Change

The goal is to move more people from using cars to using trains



# Approach and Methodology

# Reading data

- Turnstiles datasets
- Stations datasets

# Clean data

- Dropping replicated rows/columns
- Splitting the stations to different data frames
- replacing the corrept values with the median
- Finding daily's traffic for each station.

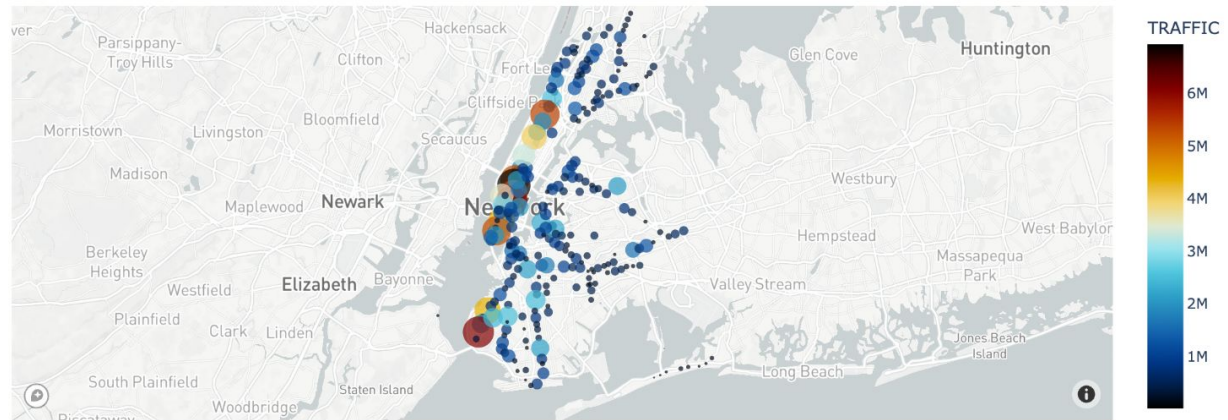
***traffic = number of people entering + number of people exiting***

# Analysis

```
In [56]: 1 fig.show()
```

executed in 27ms, finished 08:19:18 2021-10-10

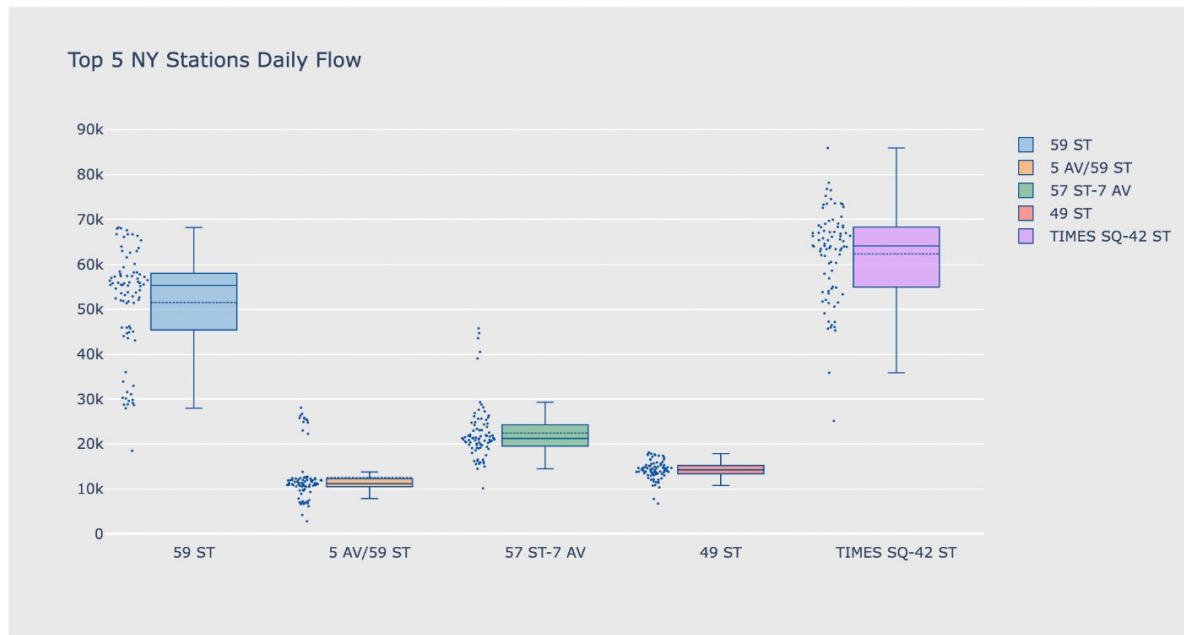
### MTA Traffic





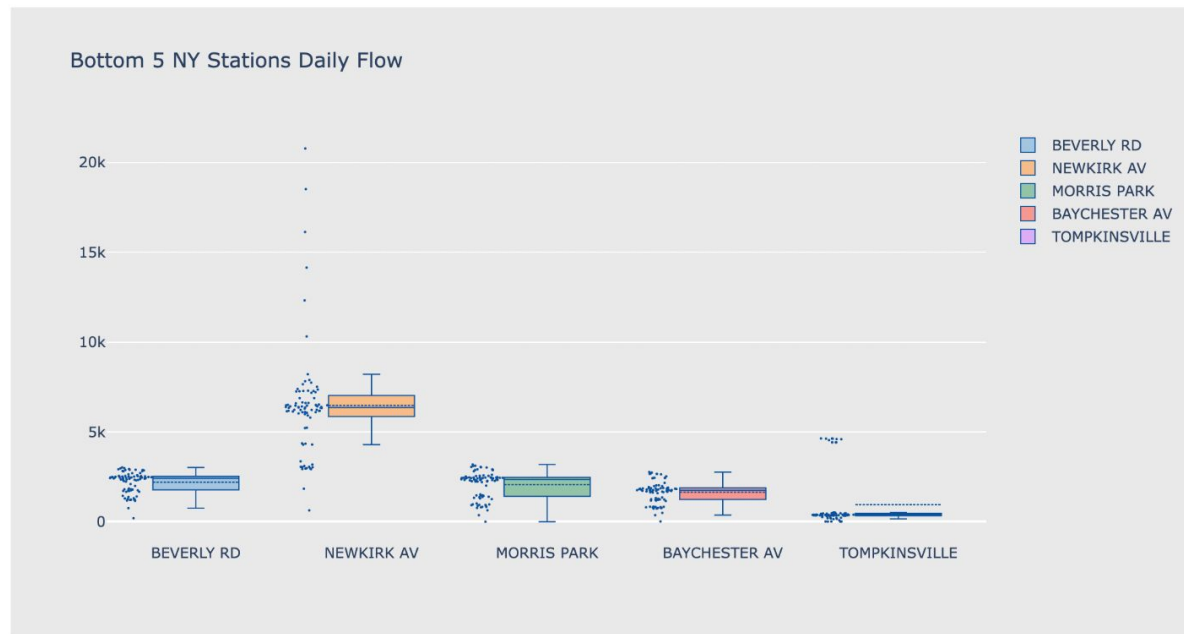
```
In [25]: 1 fig.show()
```

executed in 11ms, finished 08:11:58 2021-10-10



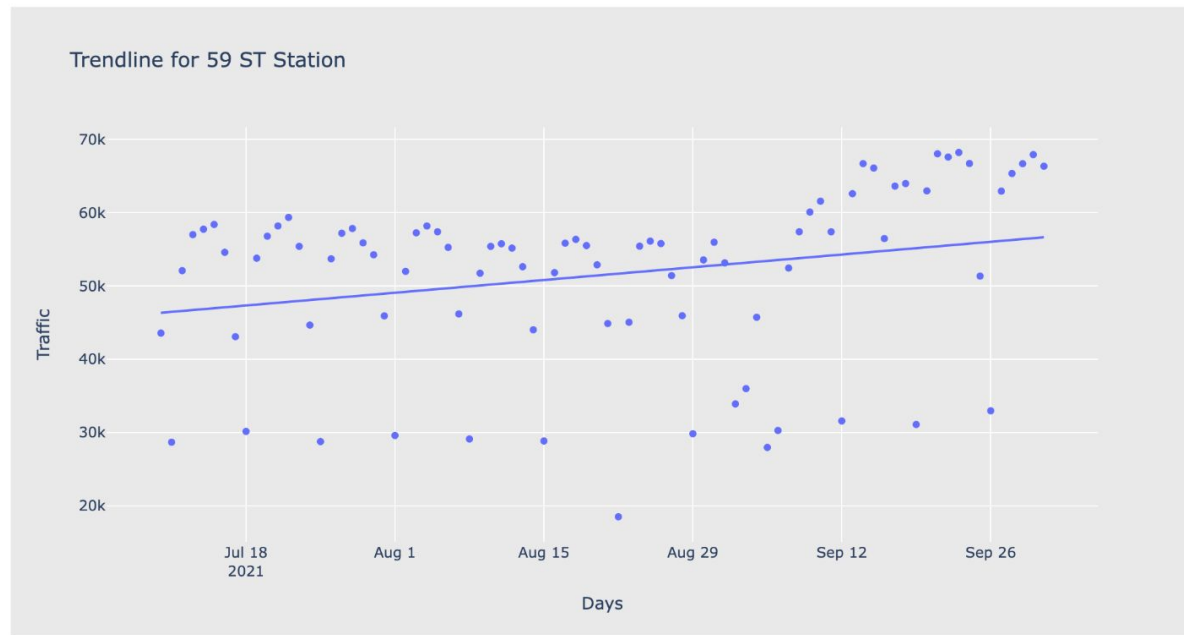
```
In [29]: 1 fig.show()
```

executed in 19ms, finished 08:11:59 2021-10-10



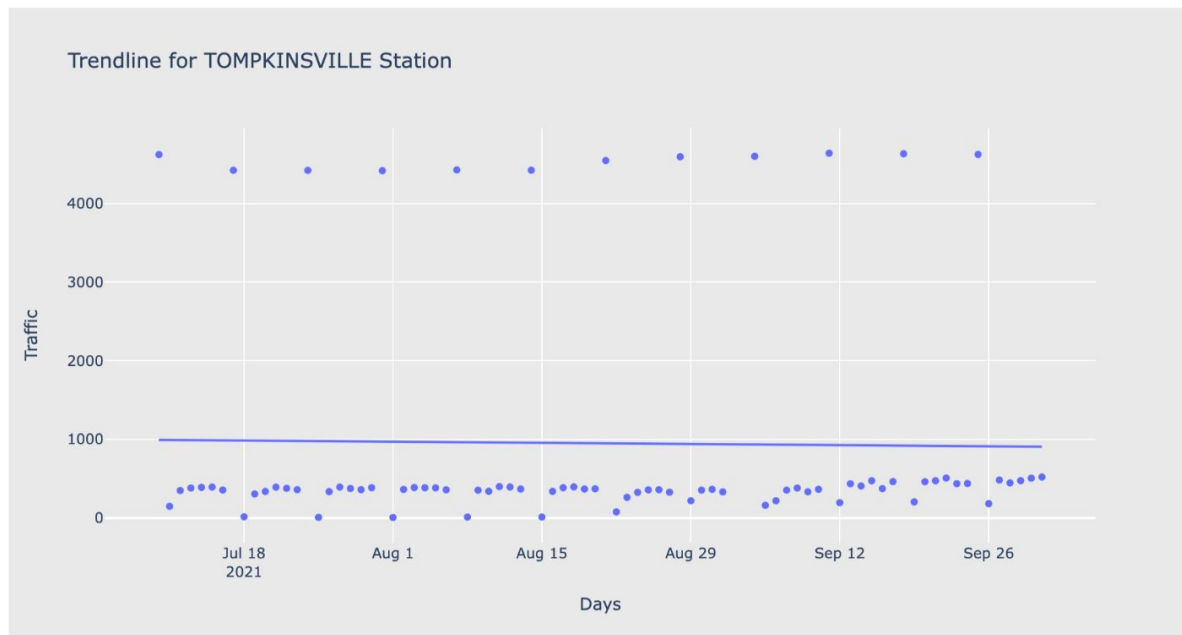
```
In [46]: 1 fig.show()
```

executed in 25ms, finished 08:16:34 2021-10-10



```
In [51]: 1 fig.show()
```

executed in 24ms, finished 08:17:02 2021-10-10

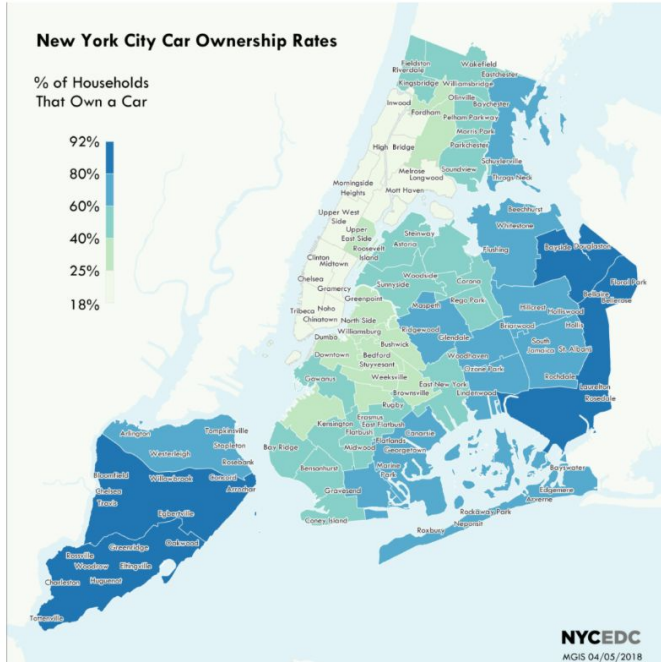


# Results

# New York

- populations 8.4M (2018)
- Turisms is about 1.6M

"almost 1.4 million households in New York City own a car"



# Recommendations



## Modrating old stations

- New ferniture
- Facilitate the entry and exit process

## Discounts



commercials

## Reopen Closed Stations and Modrating Them.

- Ninth Avenue
- 96th Street
- Bowery



Questions??

