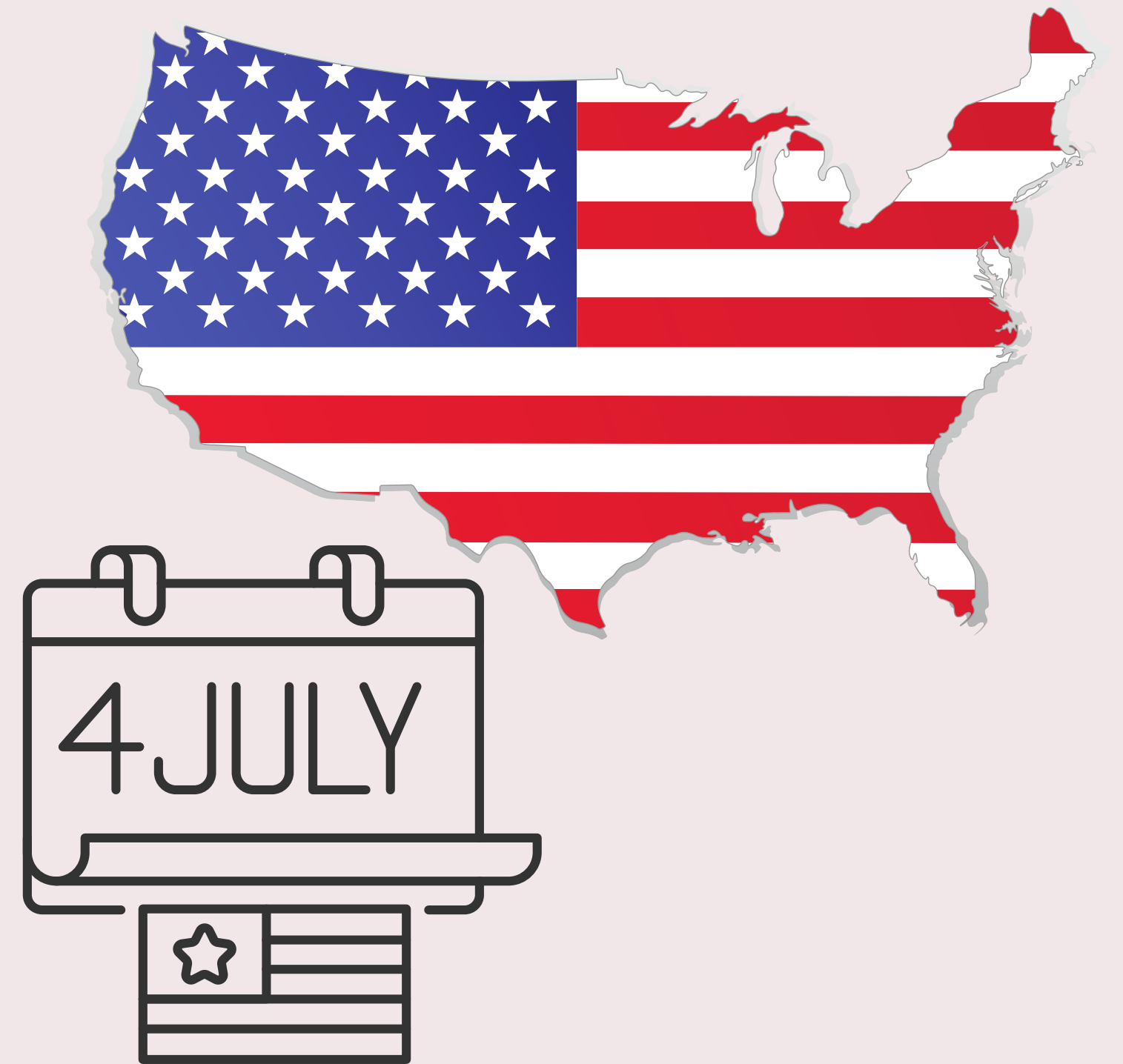# INDEPENDENCE DAY BOOTH

BY: AMJAD ALTHINAYYAN

BACKSTORY

Sitting booth to sale in the MTA before Independence Day

DATASET

- **MTA turnstile data**
- (June - July) from 2016-2019
- 2,383,351 row , 11 columns
- focus on Entries, Exits

- **Stations data to mapping of subway stations to boroughs**
- 748 row, 5 columns
- focus on Borough

TOOLS

SQLite
Python
Jupyter notebook

Pandas
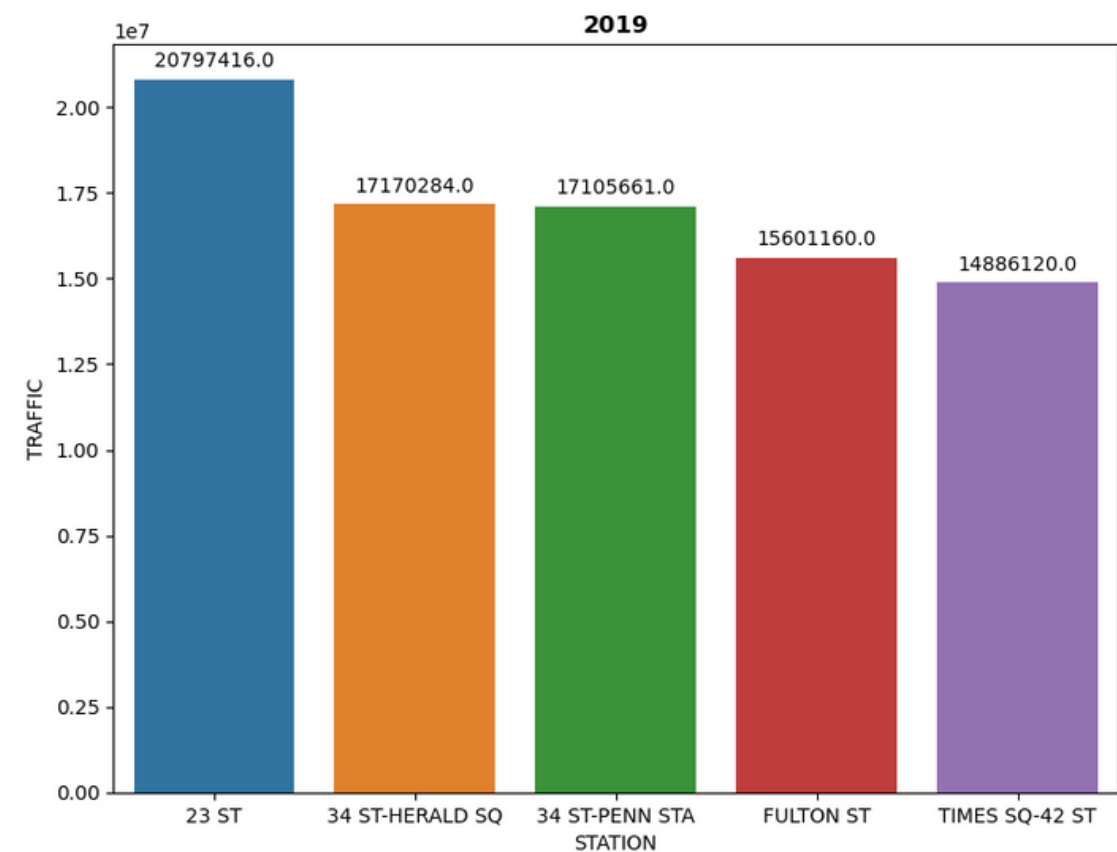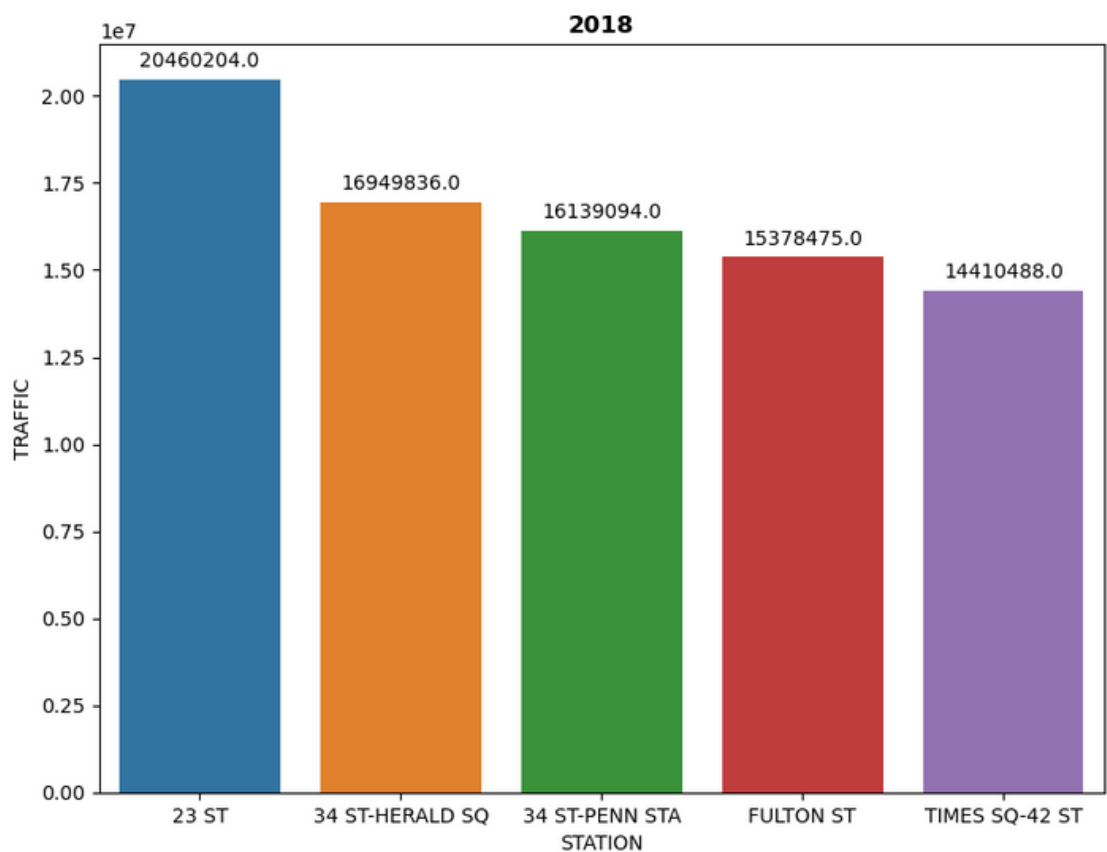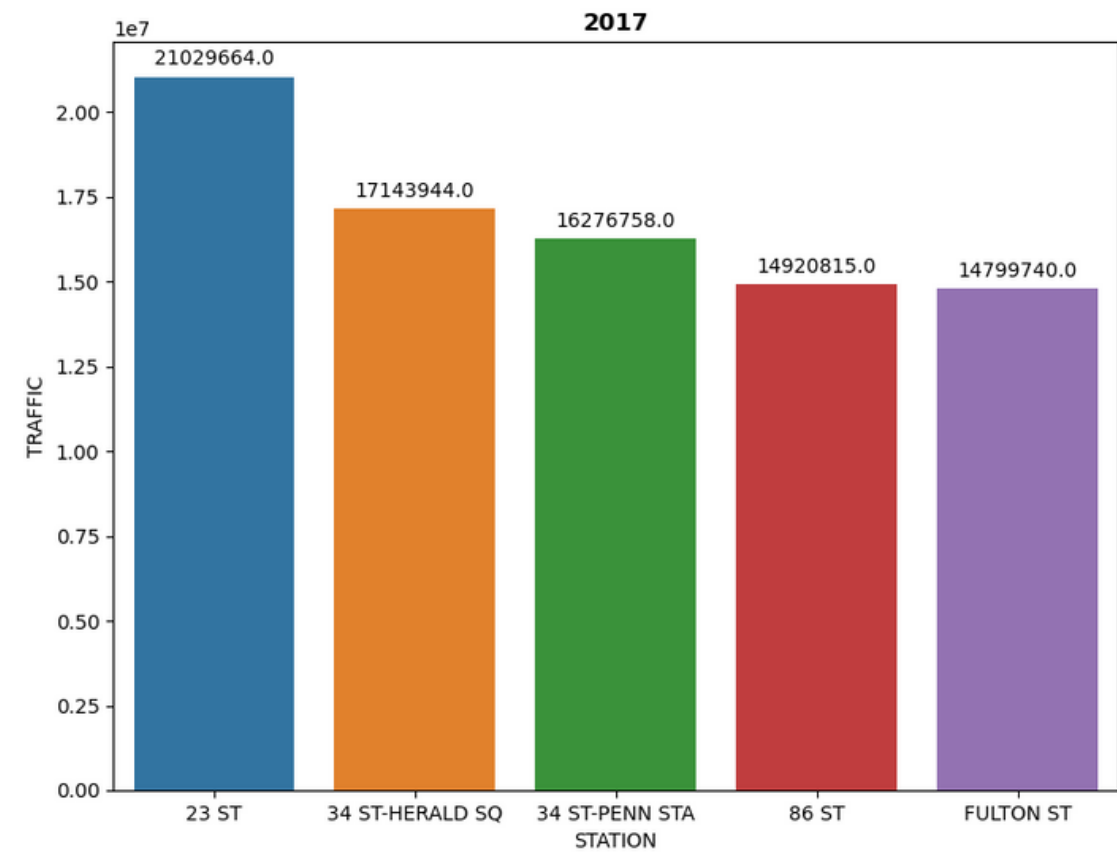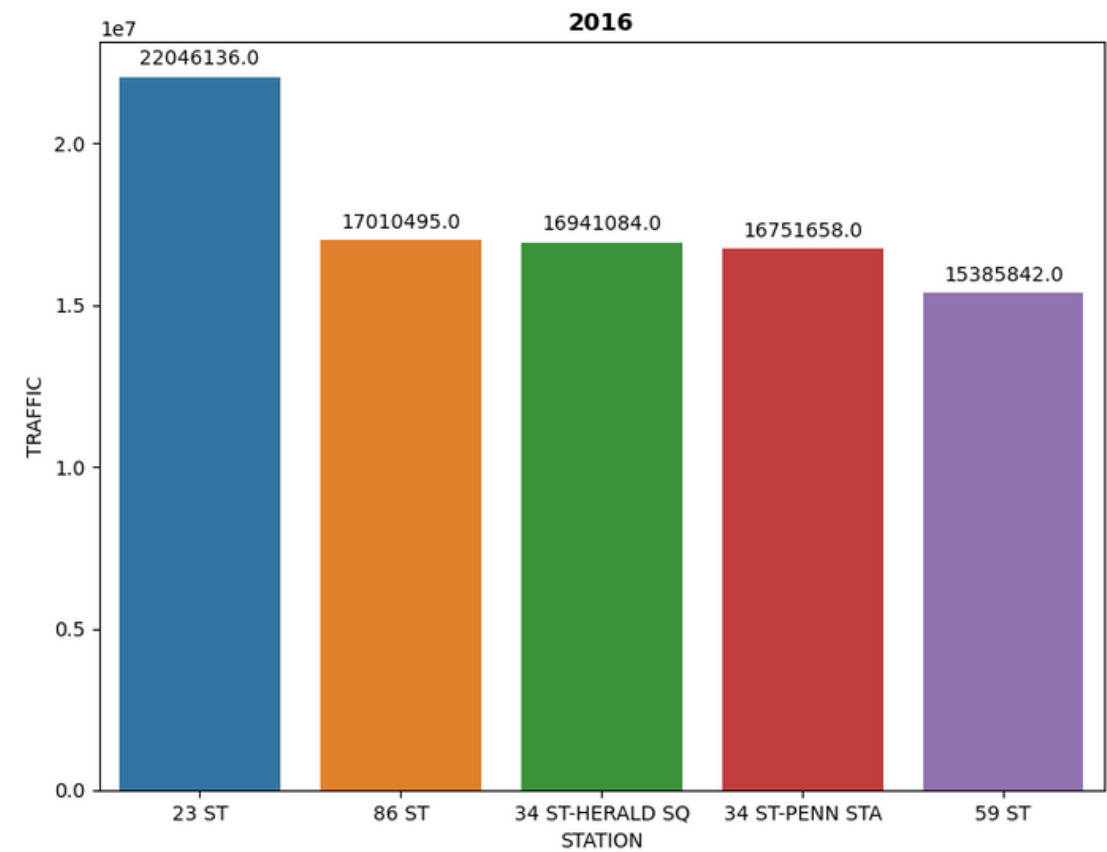Numpy
Matplotlib
Seaborn
SQLAlchemy

DATA CLEANING

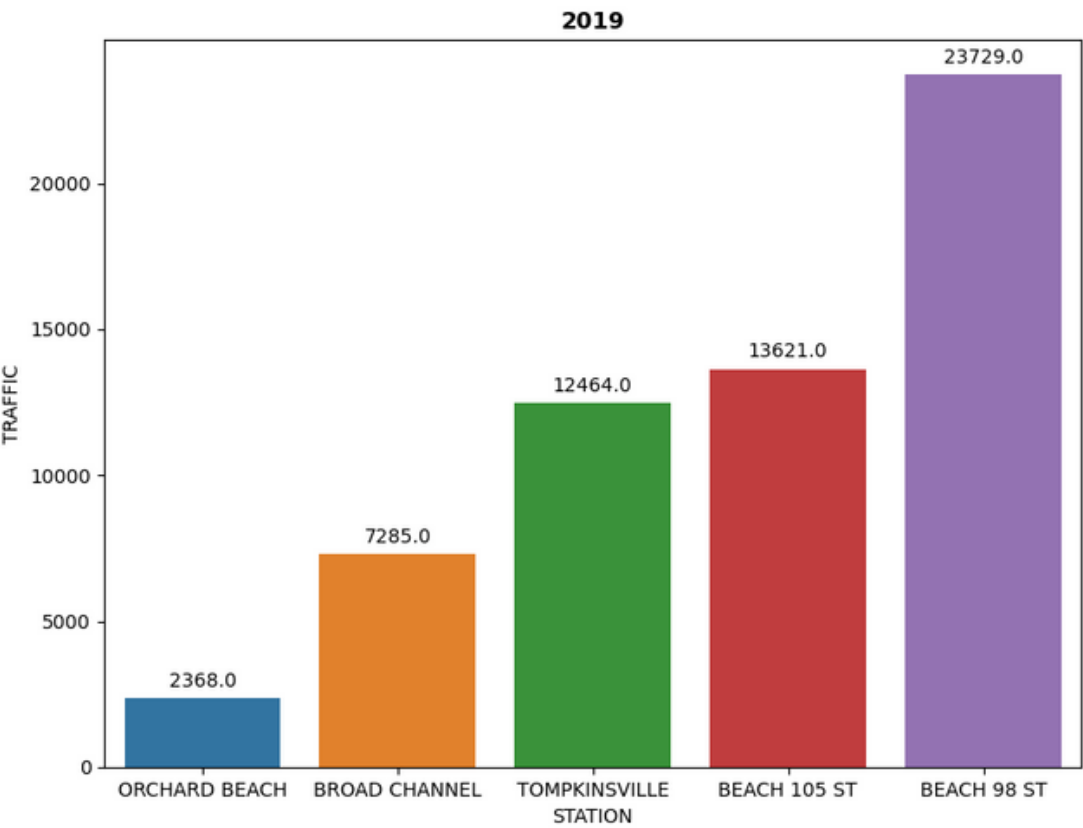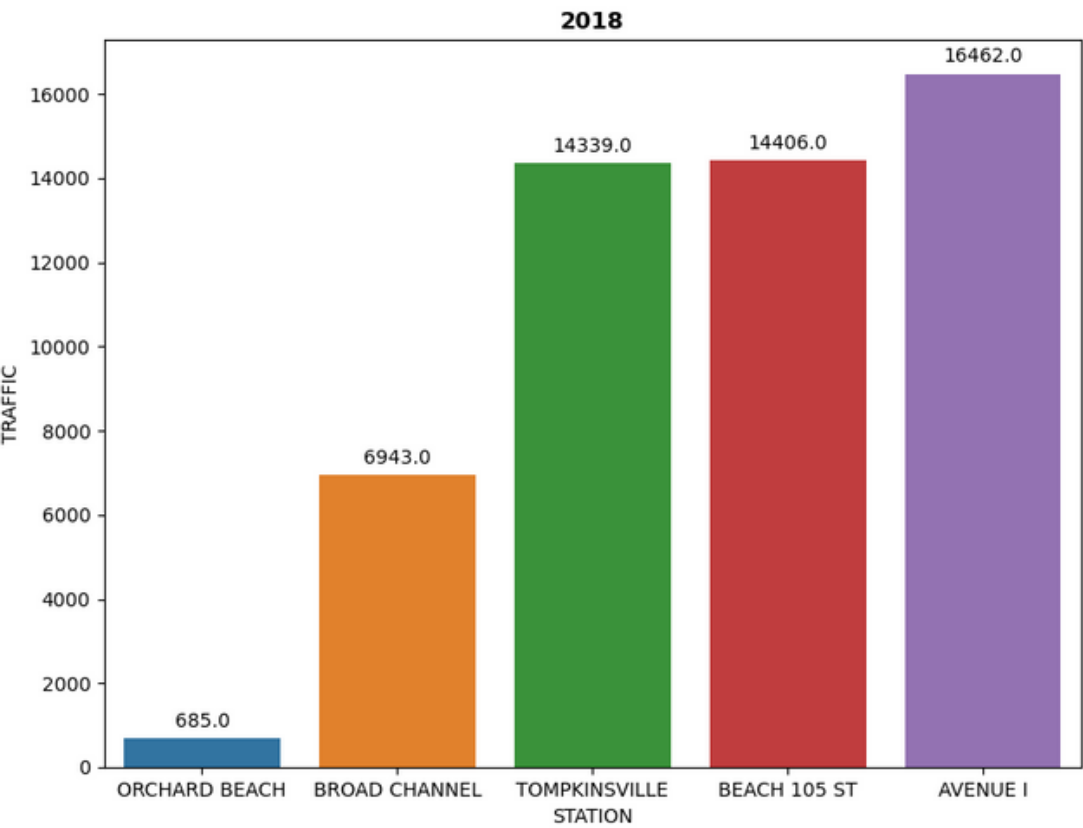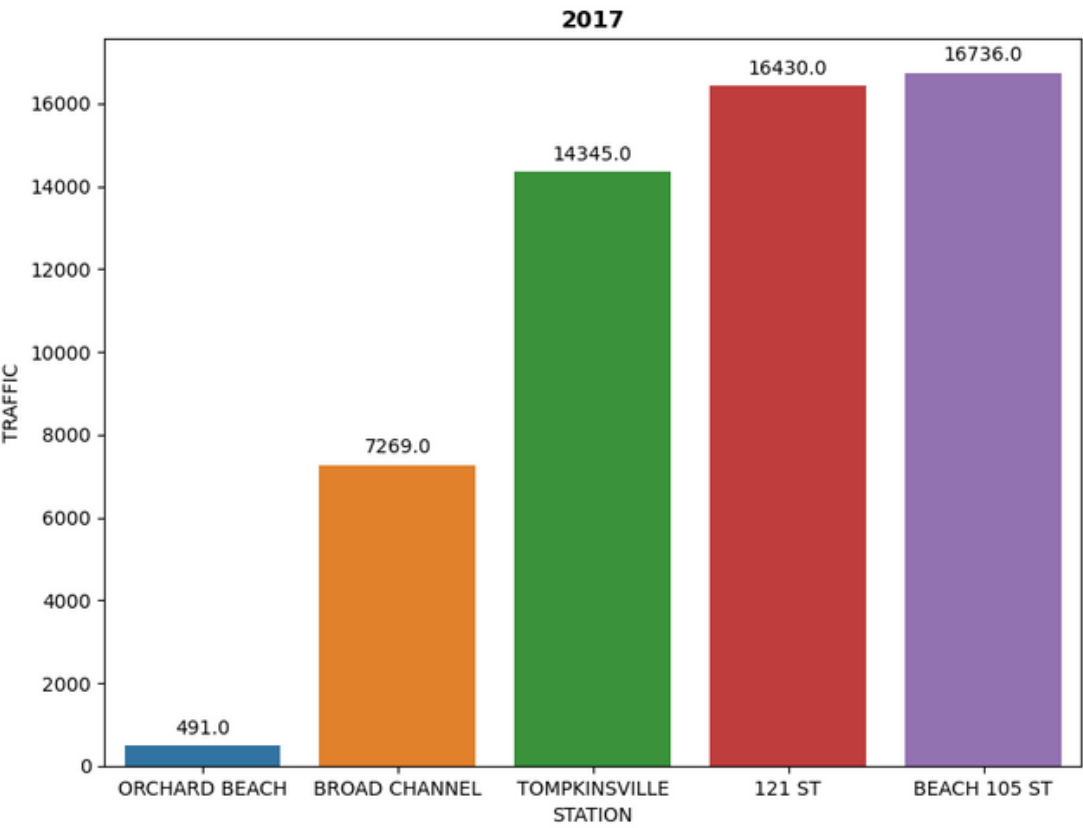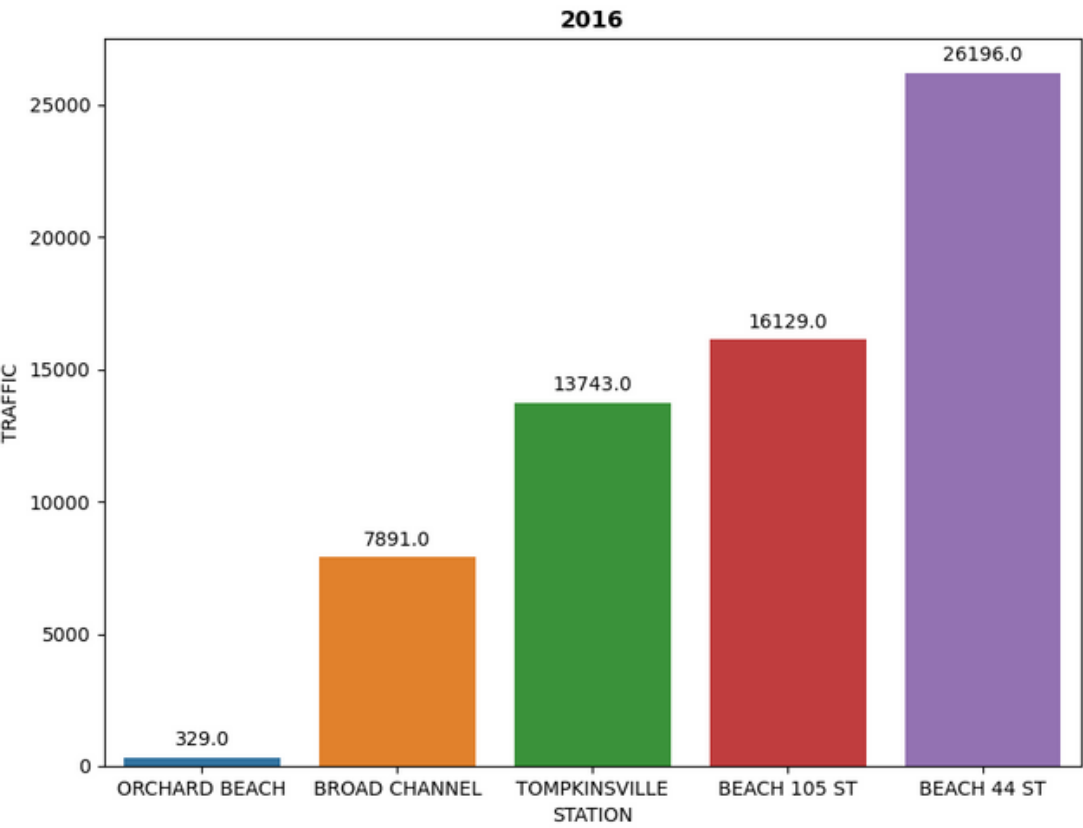- Check nulls

- Modify & add needed columns

- Remove duplicates

DATA ANALYSIS & VISUALIZATION

TOP 5 BUSISET STATIONS IN (JUNE-JULY)

2016

STATION	TRAFFIC
23 ST	22046136.0
86 ST	17010495.0
34 ST-HERALD SQ	16941084.0
34 ST-PENN STA	16751658.0
59 ST	15385842.0

2017

STATION	TRAFFIC
23 ST	21029664.0
34 ST-HERALD SQ	17143944.0
34 ST-PENN STA	16276758.0
86 ST	14920815.0
FULTON ST	14799740.0

2018

STATION	TRAFFIC
23 ST	20460204.0
34 ST-HERALD SQ	16949836.0
34 ST-PENN STA	16139094.0
FULTON ST	15378475.0
TIMES SQ-42 ST	14410488.0

2019

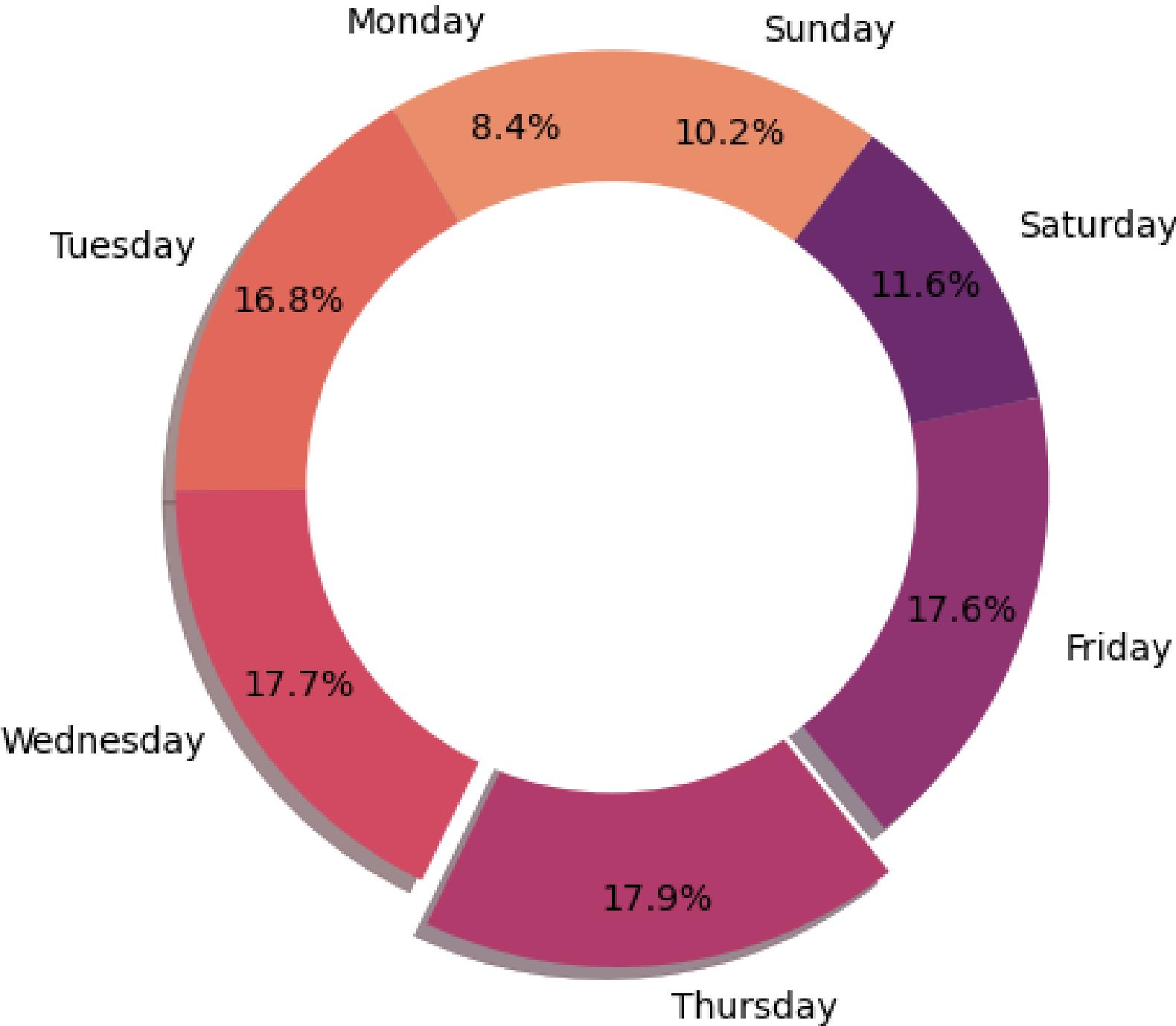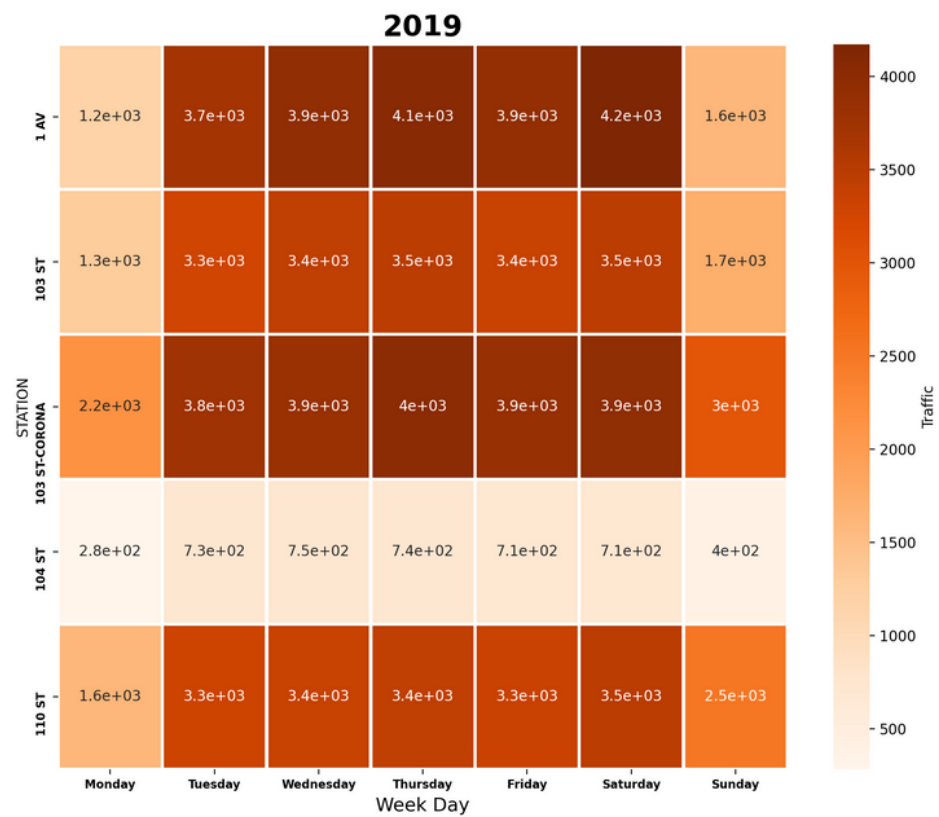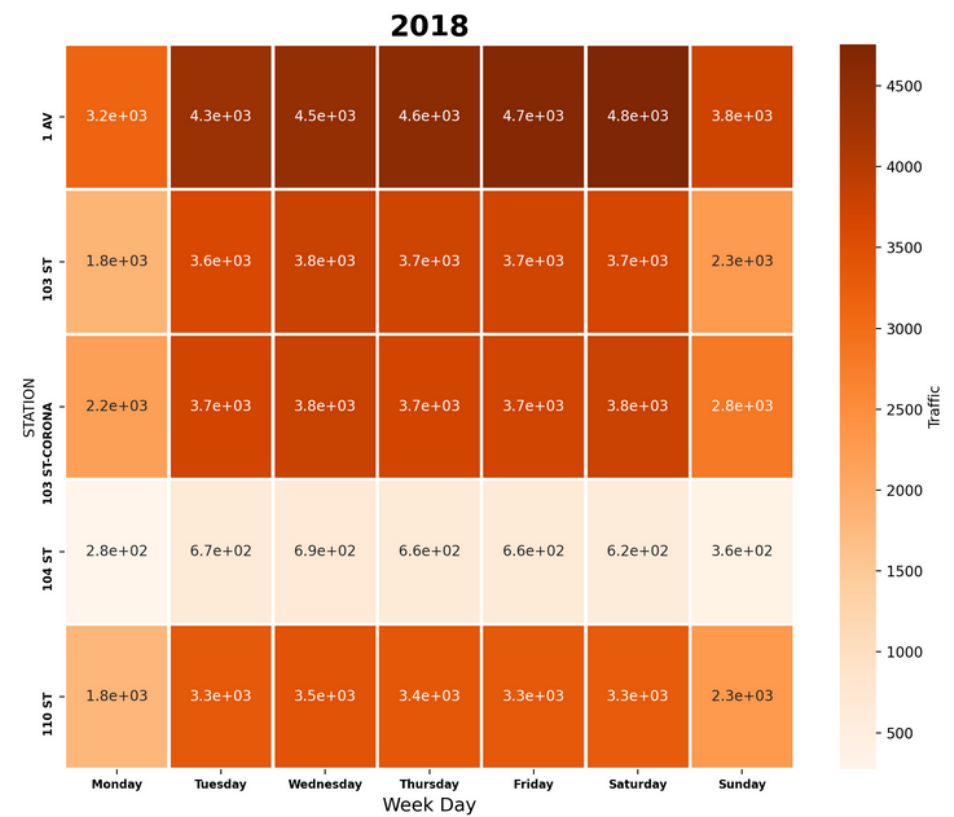| STATION	TRAFFIC
23 ST	20797416.0
34 ST-HERALD SQ	17170284.0
34 ST-PENN STA	17105661.0
FULTON ST	15601160.0
TIMES SQ-42 ST	14886120.0

LEAST 5 BUSISET STATIONS IN (JUNE-JULY)
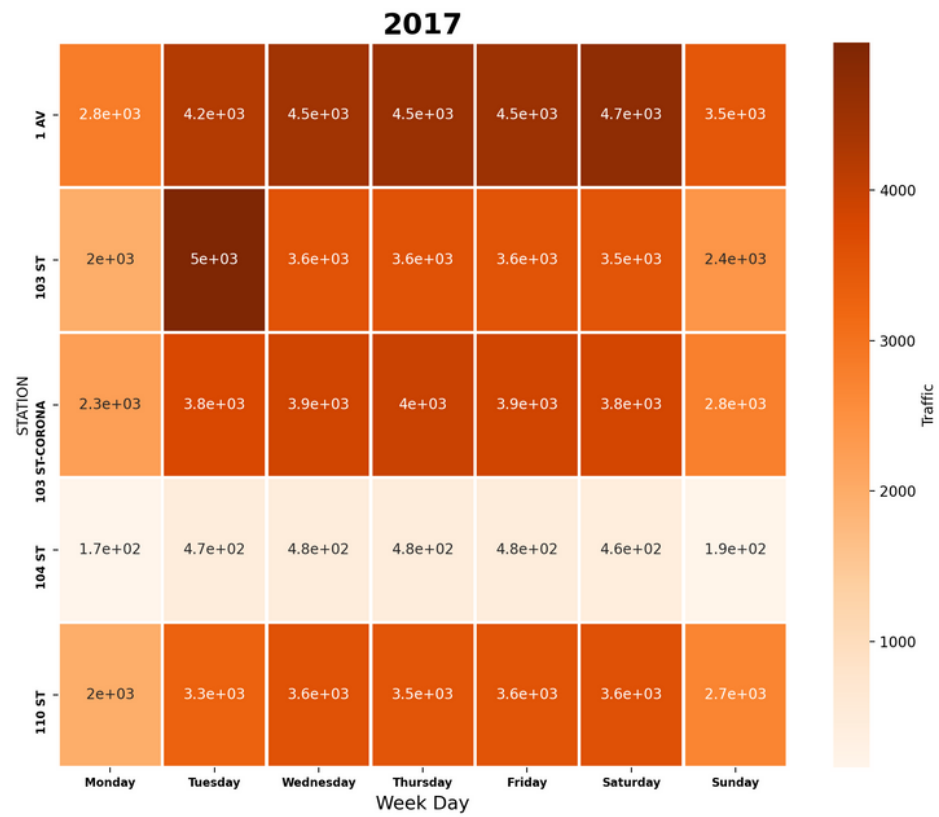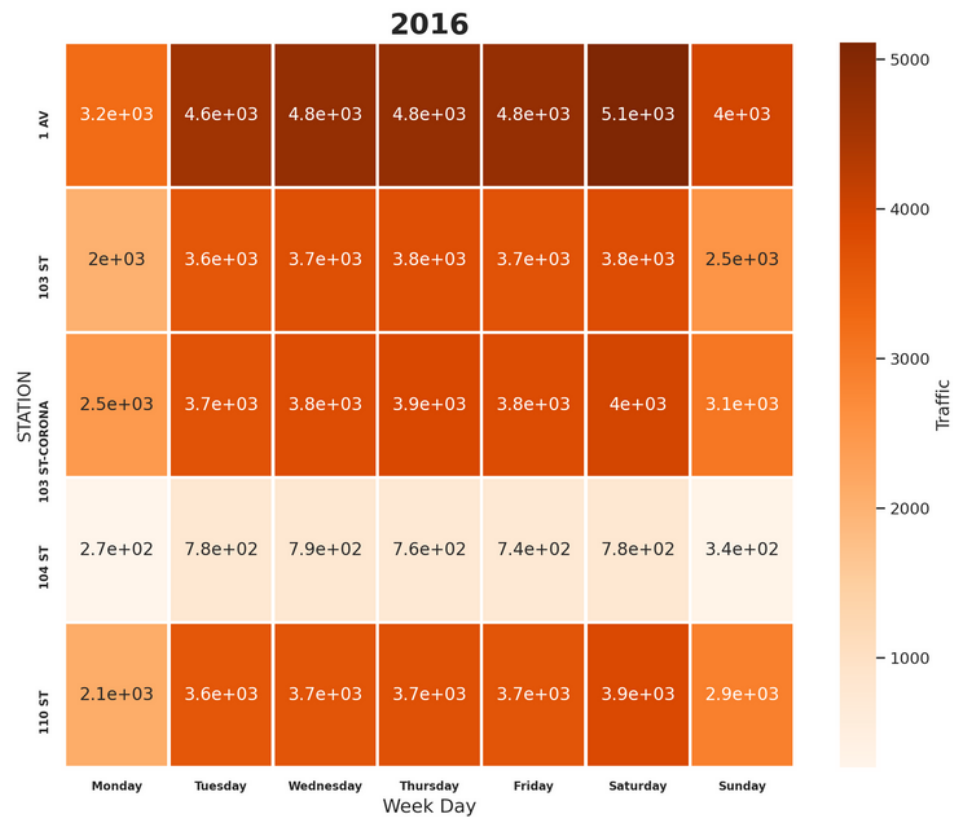
TOTAL TRAFFIC
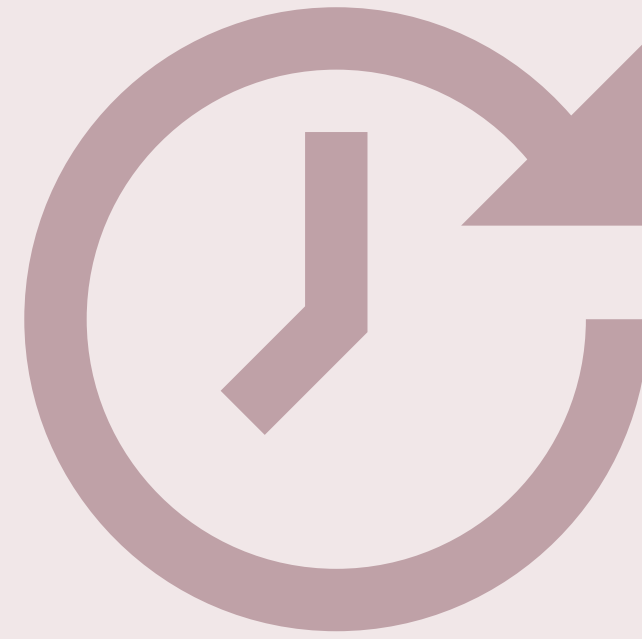

Total Traffic based on day

TOP 5 BUSIEST STATIONS / DAY

Top 5 Busiest Stations / Day

FUTURE WORK & RECOMMENDATION

- Recommend to sit the booth near 23 ST

- Recommend to sit the booth form (Tuesday-Saturday)

- Avoid Orchard beach station

THANK YOU!