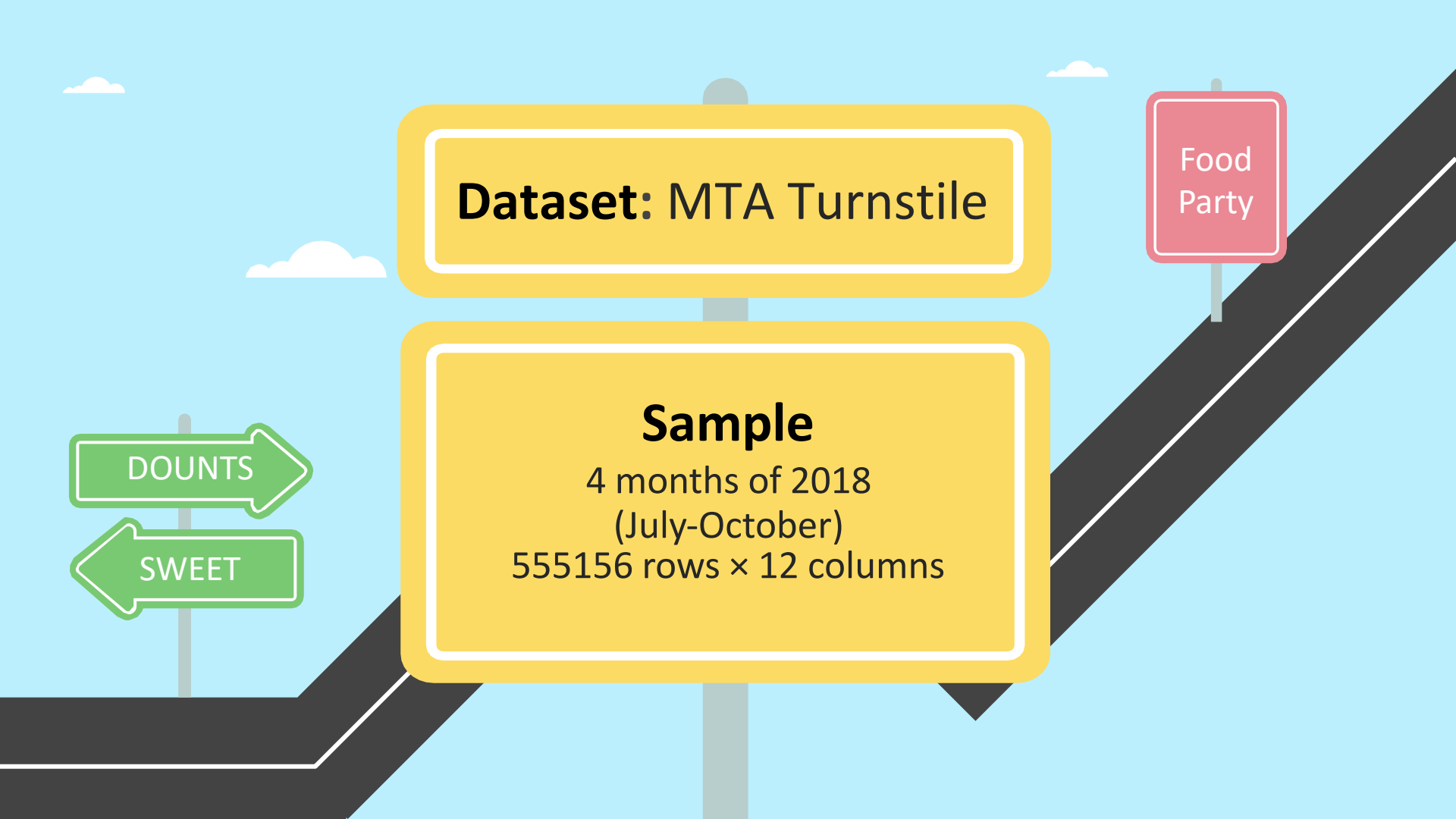
DONUTS Trucks

By: Eman Mohammed

Backstory

Donuts trucks is a new business company, and they need to explore the areas with highest traffic in New York City.
So, by analyzing MTA Turnstile Data we can help them to explore where should these Dounts' trucks take location.

- Distributing 10 trucks as the first step , three days weekly


Dataset: MTA Turnstile
Sample
4 months of 2018
(July-October)
555156 rows × 12 columns
Food
Party
DOUNTS
SWEET

Tools

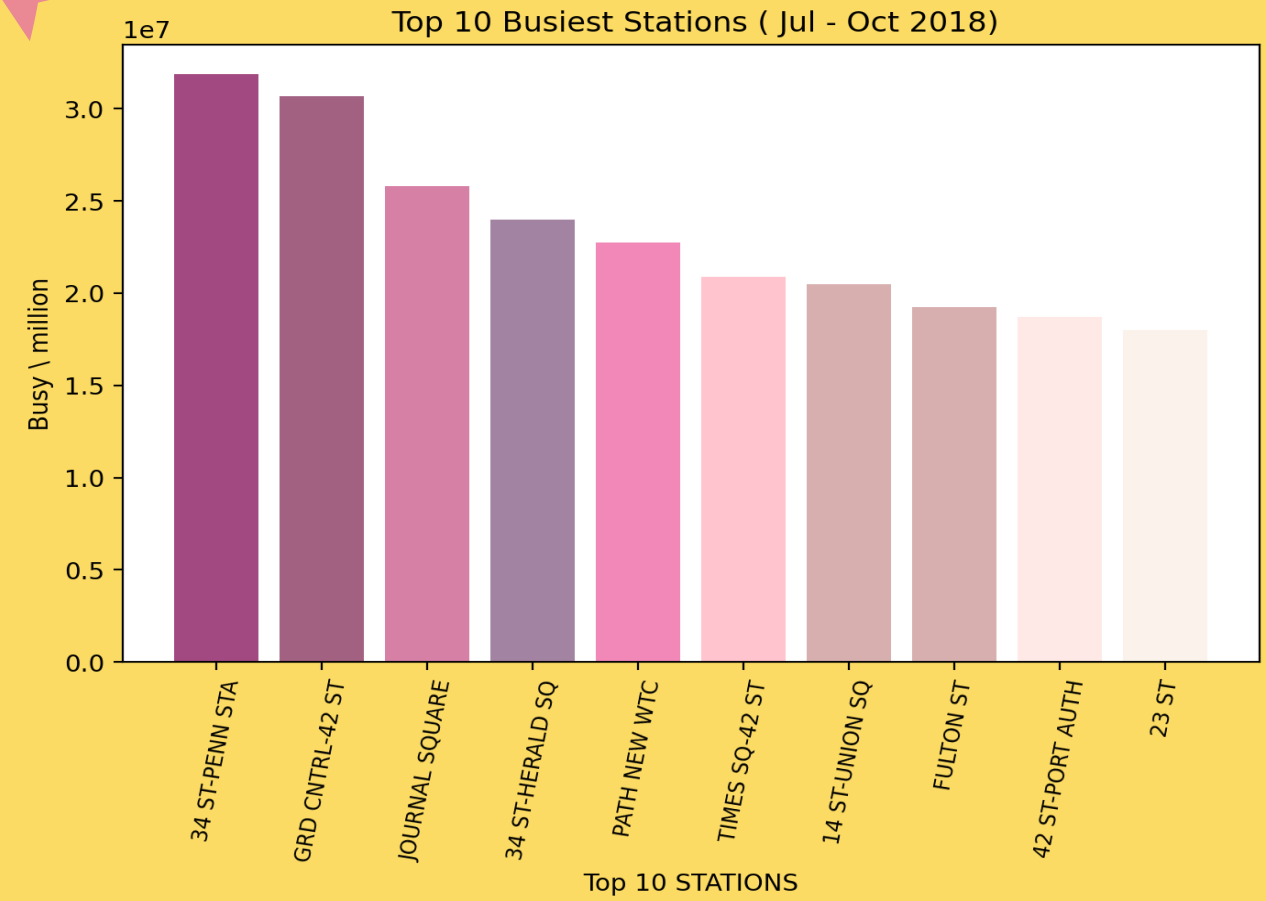
SQLite
Python
Jupyter
LIBRARY
SQlALchemy
Matplotlib
Seaborn
NumPy
Pandas

Data Cleaning

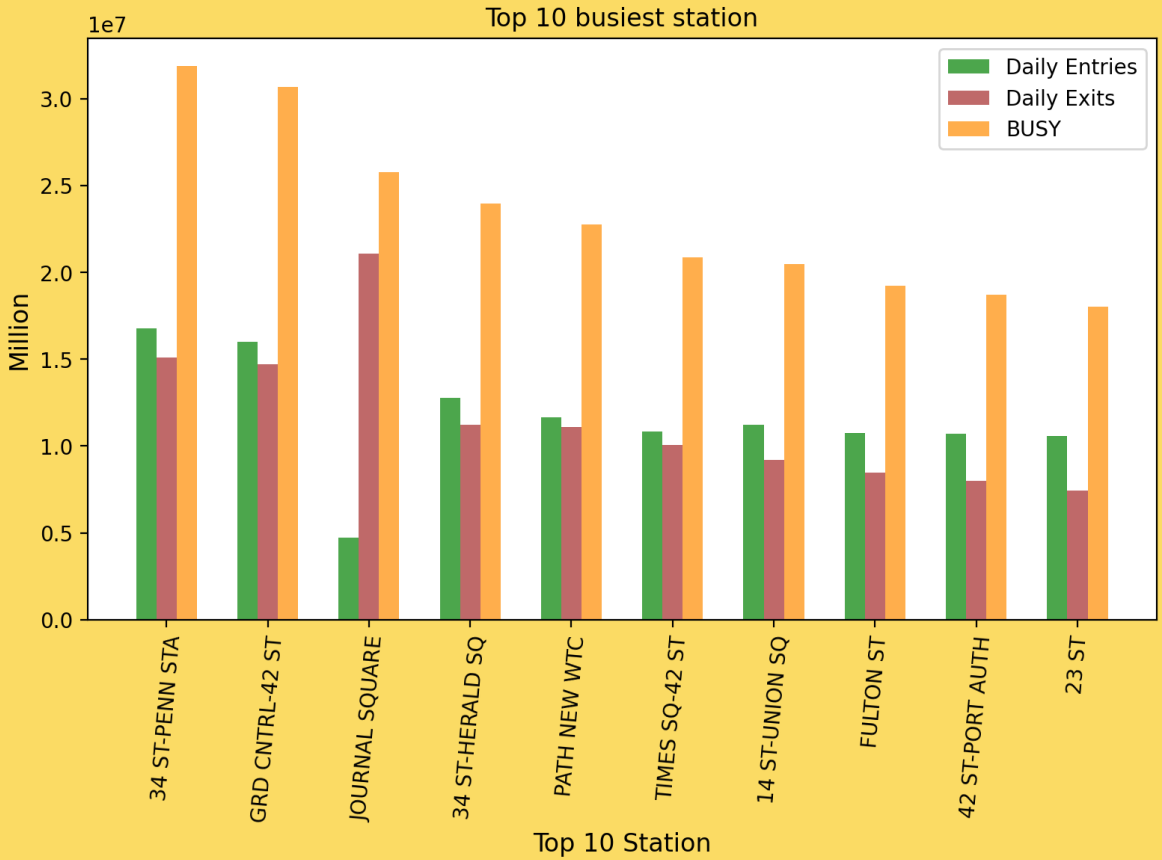
- Check nulls values.
- Check Duplicates rows.
- Add new columns.
- Delete unnecessary columns.
- Strip columns names.

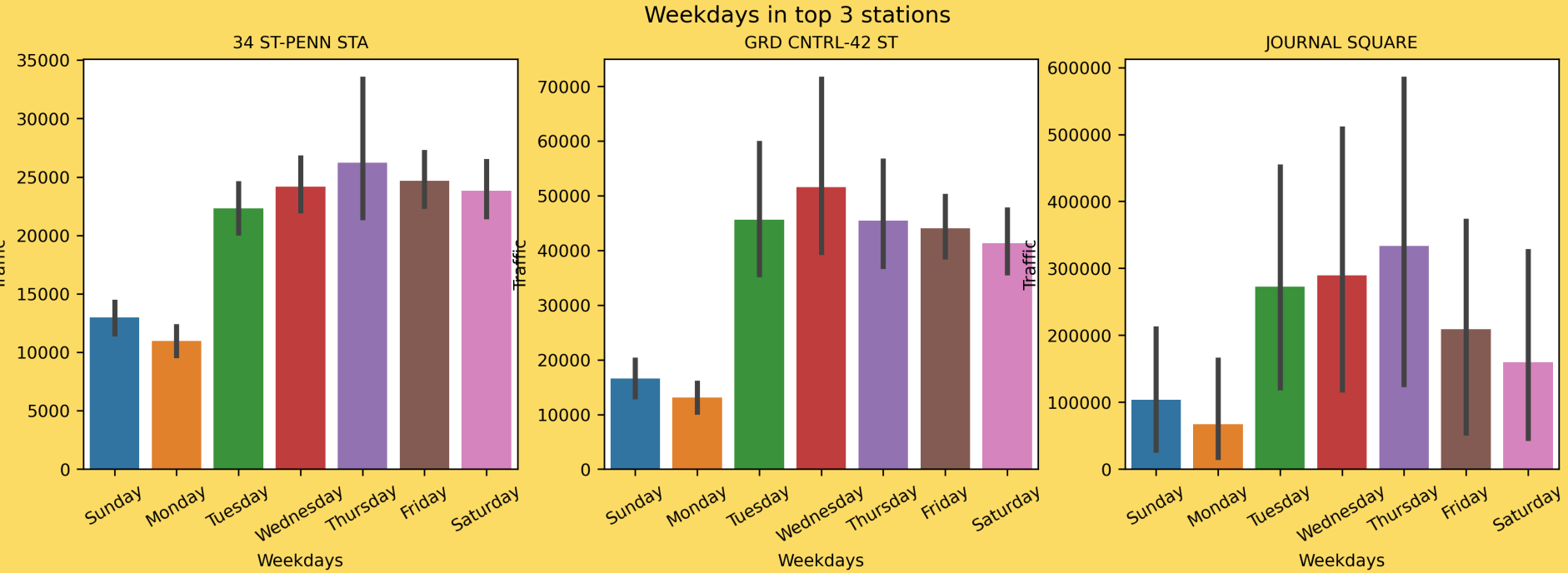
Results

Top 10 Busiest stations in NY City



The Entries, Exits and Traffic for each top 10 stations





Weekdays of 3 top stations

Weekdays of 3 top stations as a sample

34 ST-PENN STA

- Thursday, Friday, and Saturday.

GRD CNTRL-42 ST

Tuesday, Wednesday, and Thursday

JOURNAL SQUARE

- Tuesday, Wednesday, and Thursday

Future Work

Generating other insights by focusing on time to determine when the trucks opening and closing

Thank You