



DOUNTS Trucks

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Backstory

- Donuts trucks is a new business company.
- 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 3 trucks as the first step , three days weekly.



Dataset: MTA Turnstile

Sample Selected

4 months of 2018
(July-October)

555,156 rows × 12 columns

Food
Party

Tools

SQLite



Python



L
I
B
R
A
R
Y

- SQLAlchemy
- Matplotlib
- Seaborn
- NumPy
- Pandas



Data Cleaning

- Check nulls values (No Null value).
- Check Duplicates rows (drop duplicate).
- Add new columns (date-time, day-name).
- Delete unnecessary columns (desc, division)
- Strip columns names.

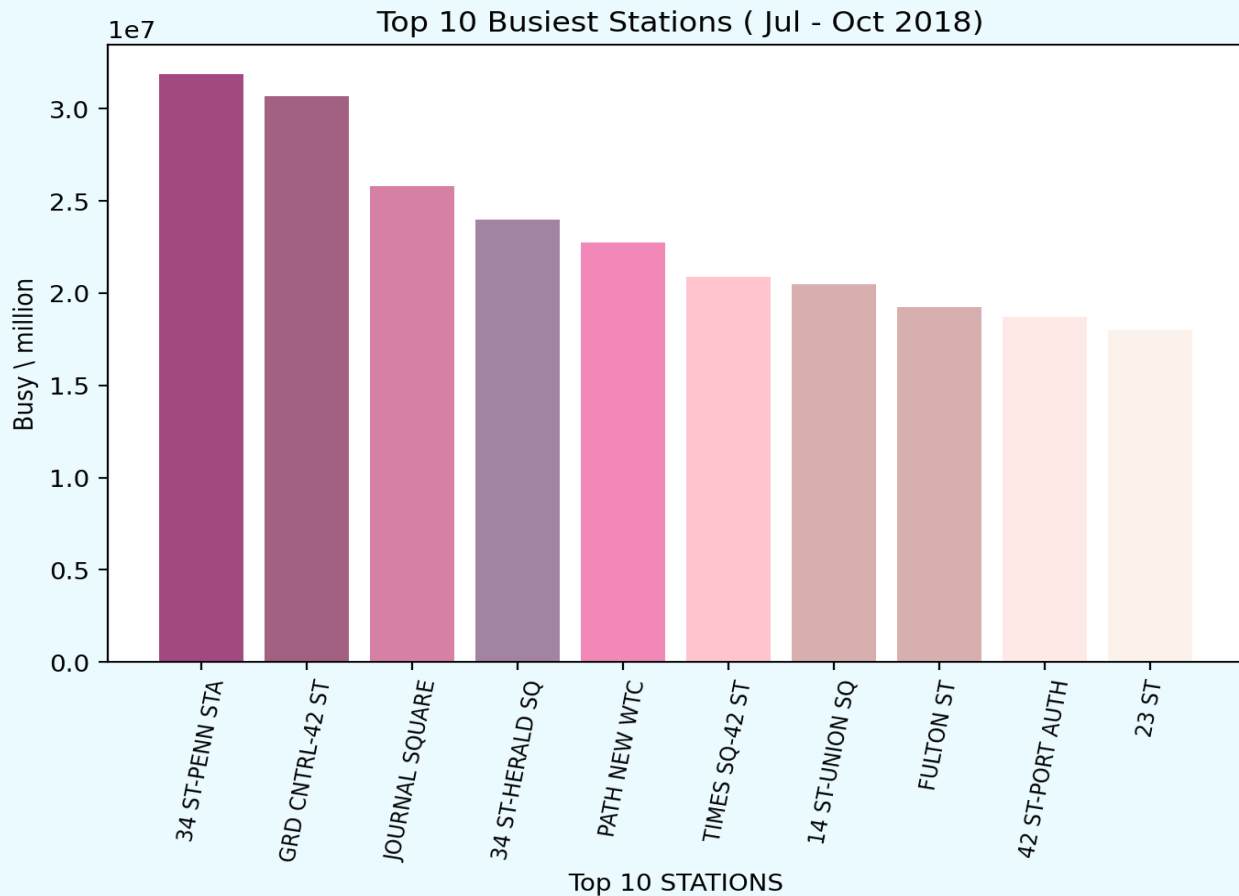


DOUNTS Truck

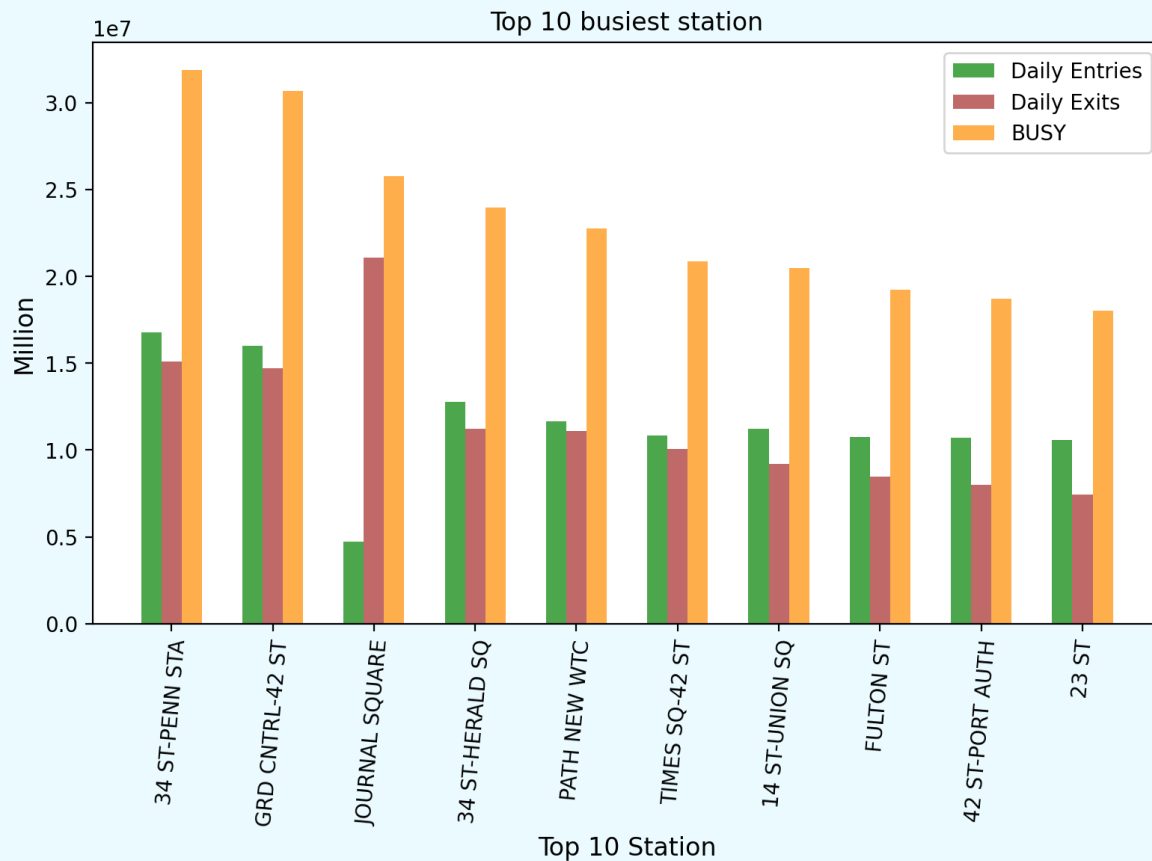
Data Analysis

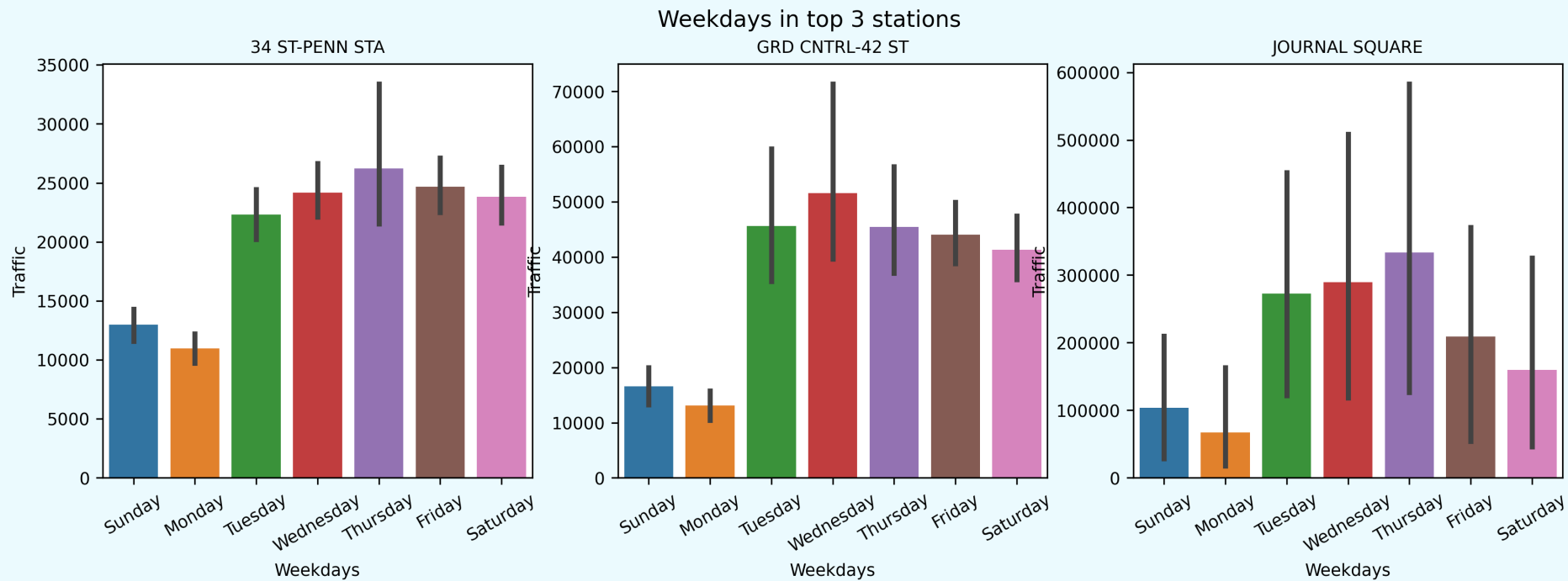


Top 10 Busiest stations in NY City



The Entries, Exits and Traffic for each top 10 stations





Weekdays of 3 top stations

Recommendation to sit the first 3 trucks on these stations with these weekdays

- 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
- Looking to expand our dataset

Thank You