



# DOUNTS Trucks

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# 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 3 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

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A  
R  
Y

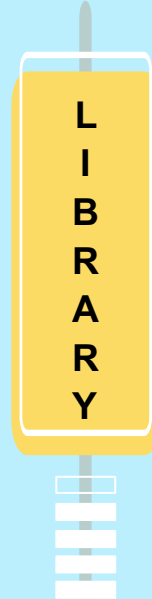
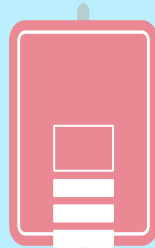
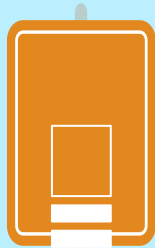
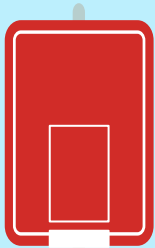
SQLAlchemy

Matplotlib

Seaborn

NumPy

Pandas





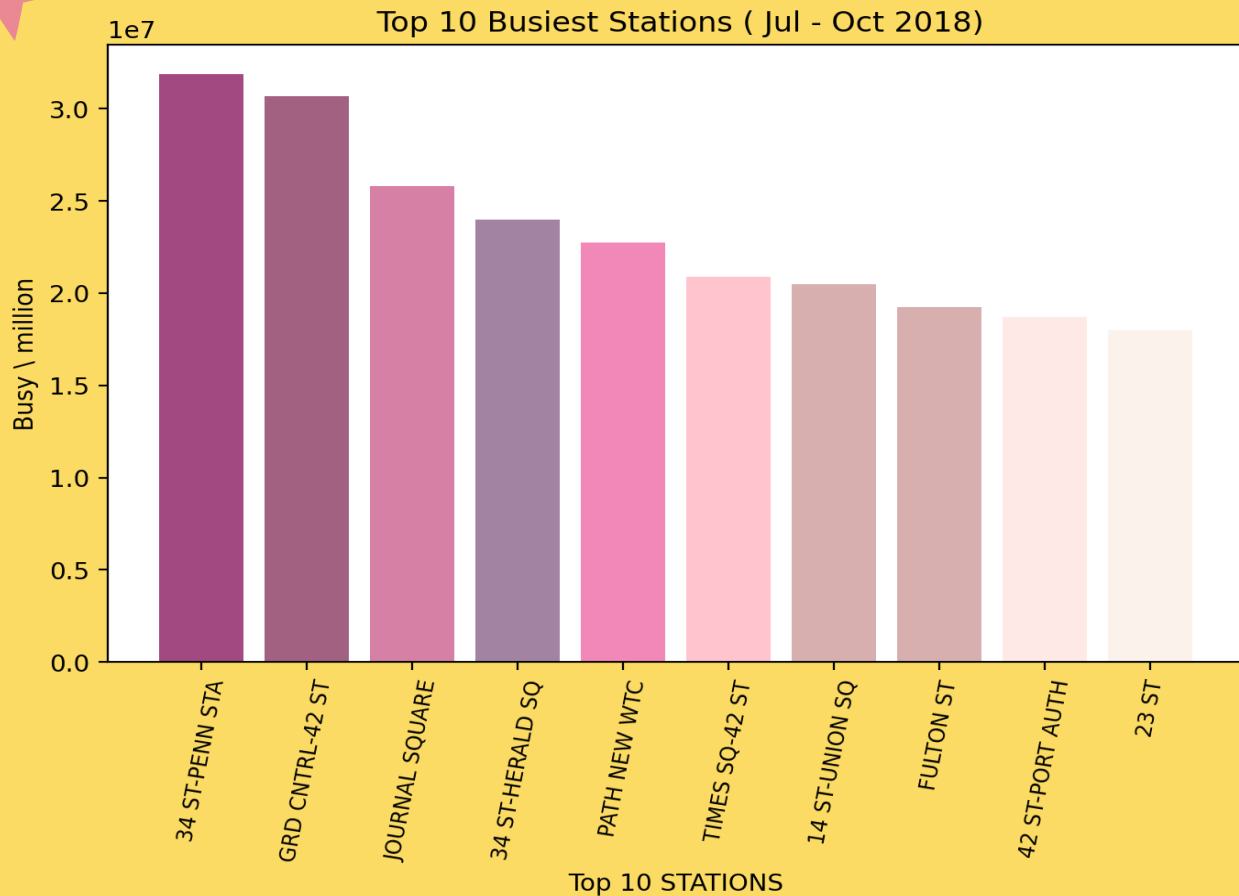
# Data Cleaning

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

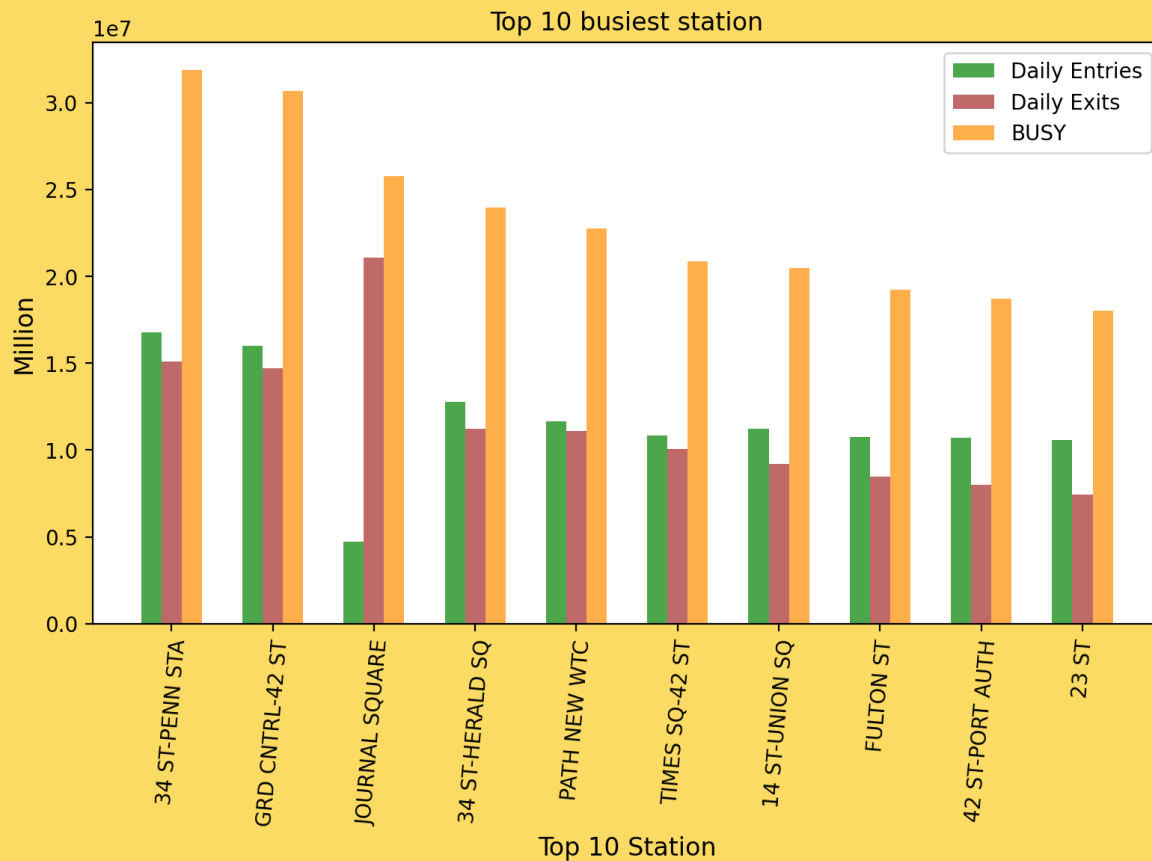
# Results



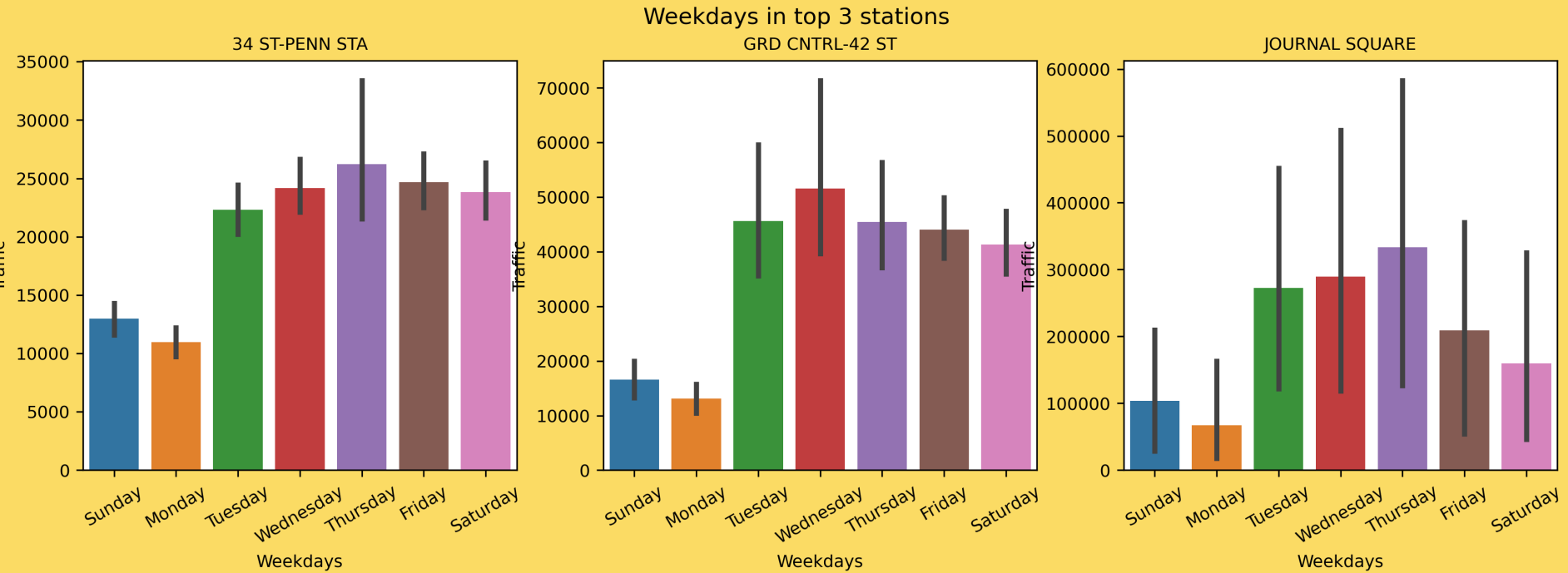
# Top 10 Busiest stations in NY City



# The Entries, Exits and Traffic for each top 10 stations







# Weekdays of 3 top stations

## Conclusion

### 34 ST-PENN STA

- Thursday, Saturday, and Friday.

### 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

