

EXPLORATORY DATA ANALYSIS

Where is the most crowded place?

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Customer request

The "Tech Women Tech Yes!" planned to be held in the summer. For the event, brochures will be distributed on the streets and people's interest in this event will be increased!



Methodology

- FINDING THE MOST POPULAR NEW YORK STREETS
- CLASSIFICATION ACCORDING TO HUMAN TRAFFIC
- CROWD AND TIME ANALYSIS
- FINDING AND DEDUCING RESULTS





New York City Subway

with railroad and airport connections





Approach

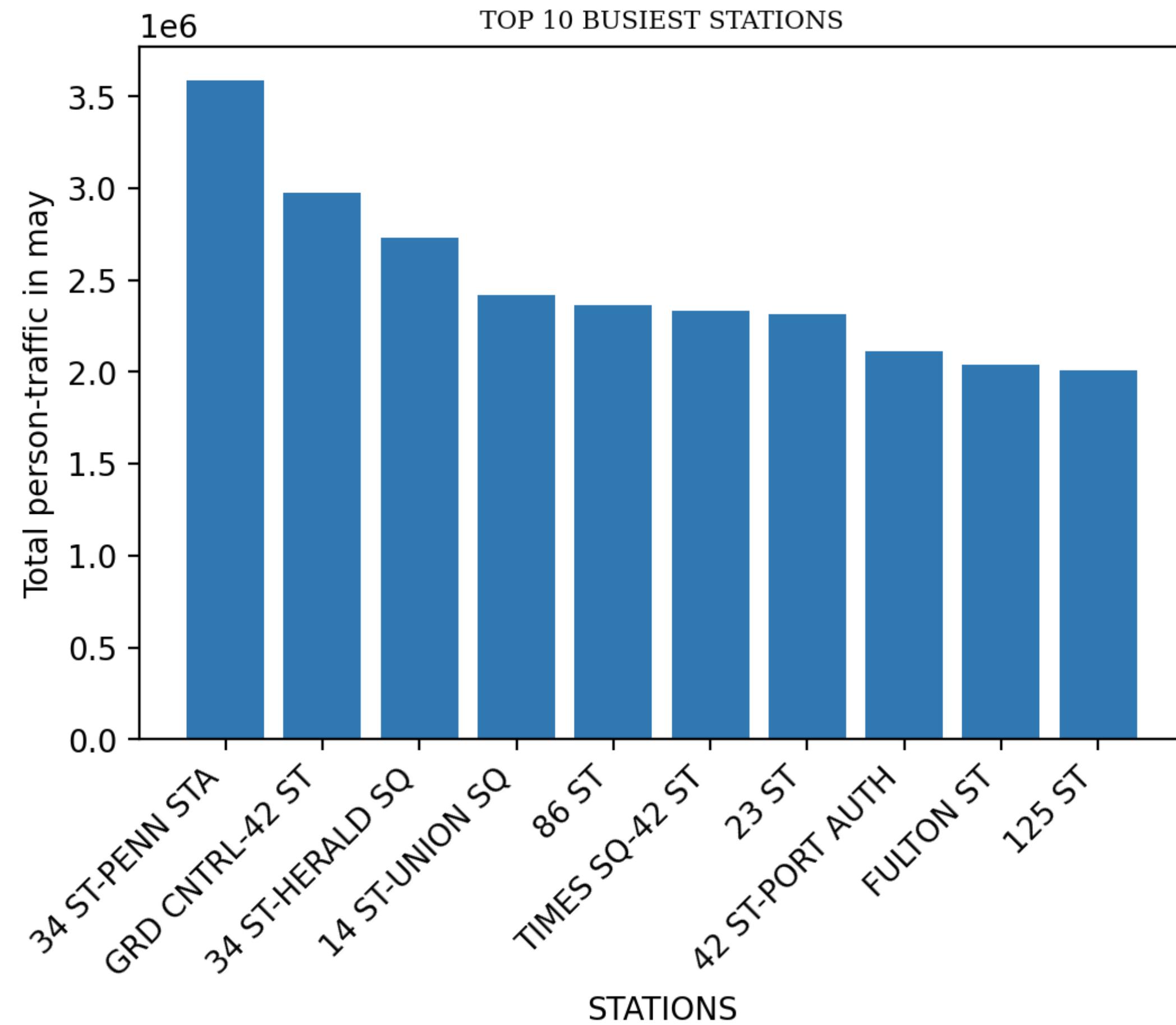


What approach was followed?

- Since it will be held in the summer, it was decided that May 2022 would be the most reasonable,
- Only the year 2022 was looked at, as data from the time of the coronavirus were thought to distort the accuracy,
- It was decided to find the 7 most crowded stations,
- Data collected from each turnstile was processed based on hour, station, and human traffic.

THE MOST CROWDED STATIONS!

- 1-) 34 ST-Penn STA
- 2-) GRD CNTRL - 42 ST
- 3-) 34 ST-Herald SQ
- 4-) 14 ST-UNION SQ
- 5-) 86 ST



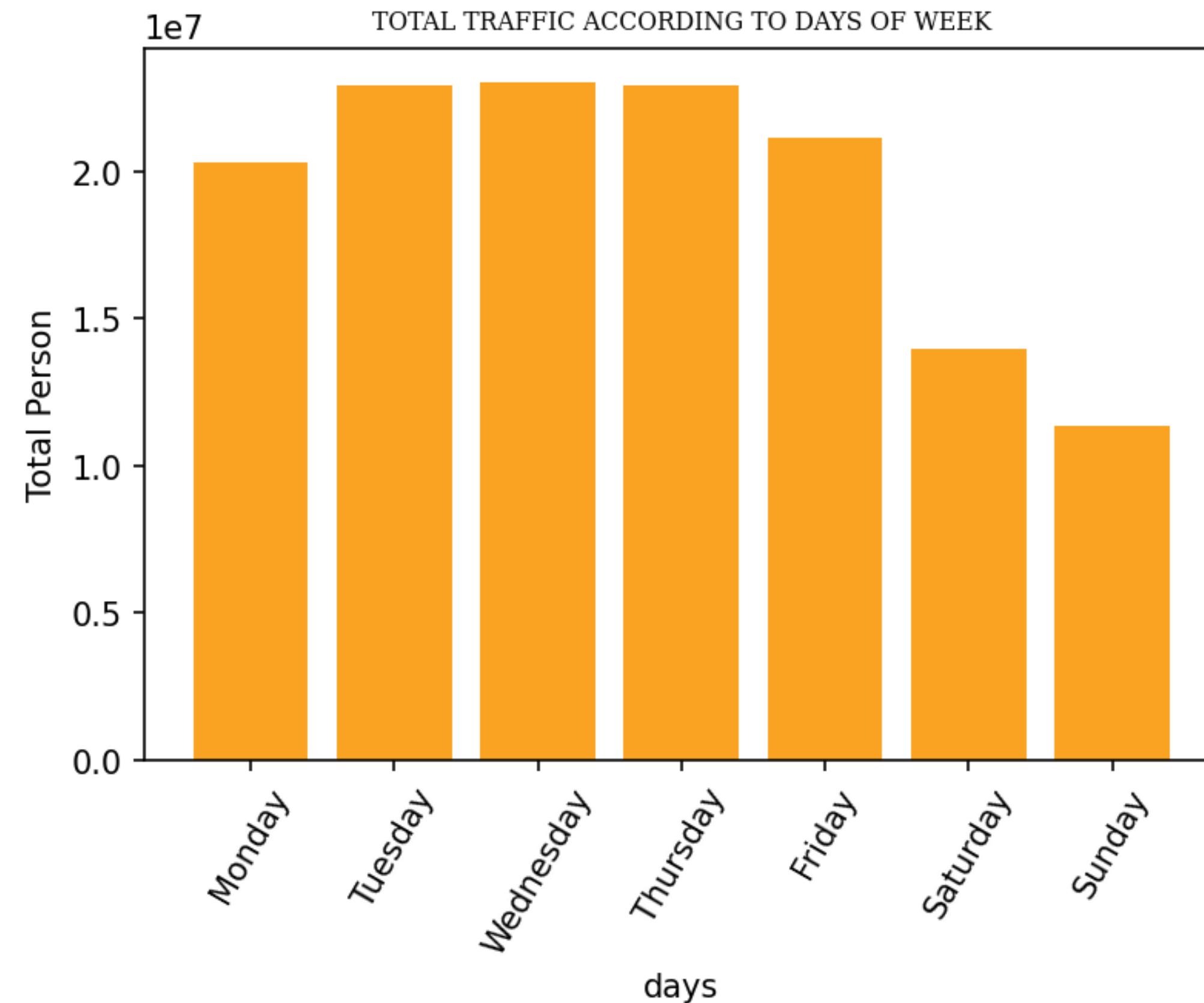
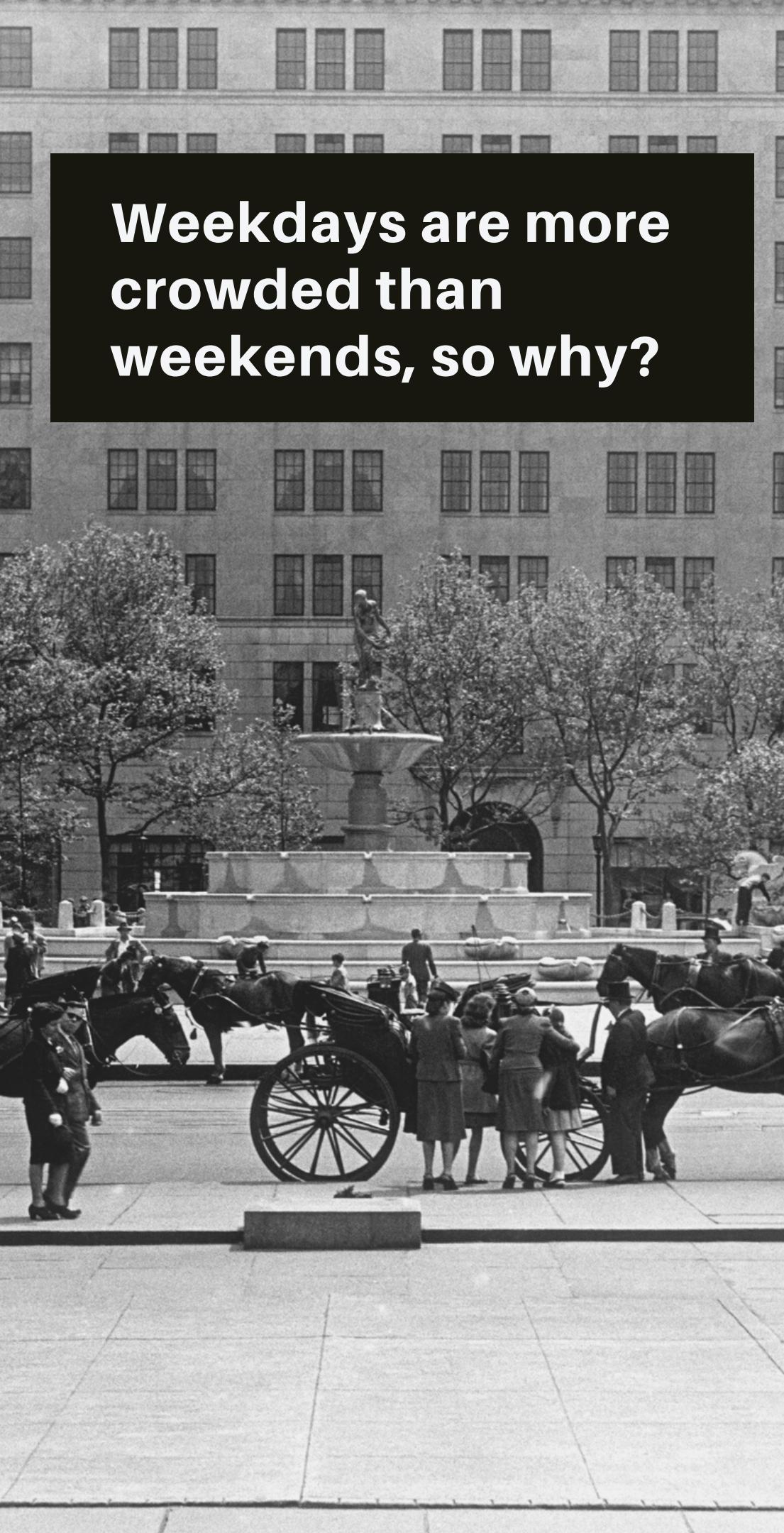
WHAT ABOUT THE BUSIEST DAYS?

Which days were evaluated on a month-to-day basis when analyzing which days were the most crowded!

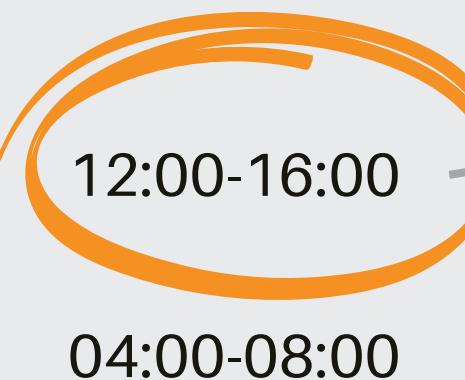


DAY/CROWD ANALYSIS

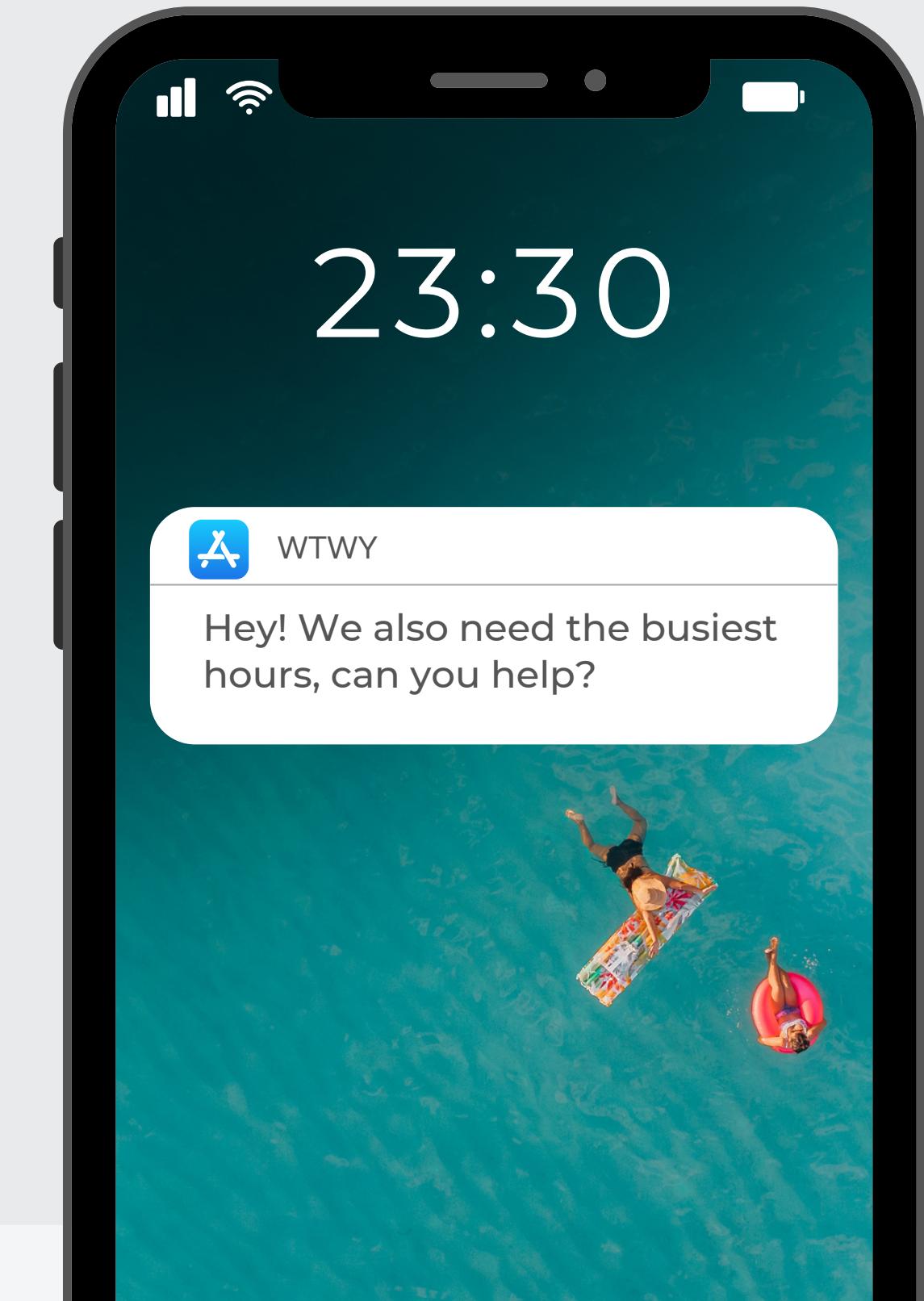
Weekdays are more crowded than weekends, so why?



What about the busiest hours?



The busiest hour is
between 12 noon and 16
pm!



- 1-) 34 ST-Penn STA
- 2-) GRD CNTRL - 42 ST
- 3-) 34 ST-Herald SQ
- 4-) 14 ST-UNION SQ
- 5-) 86 ST

12:00-16:00

04:00-08:00

08:00-12:00

16:00-20:00

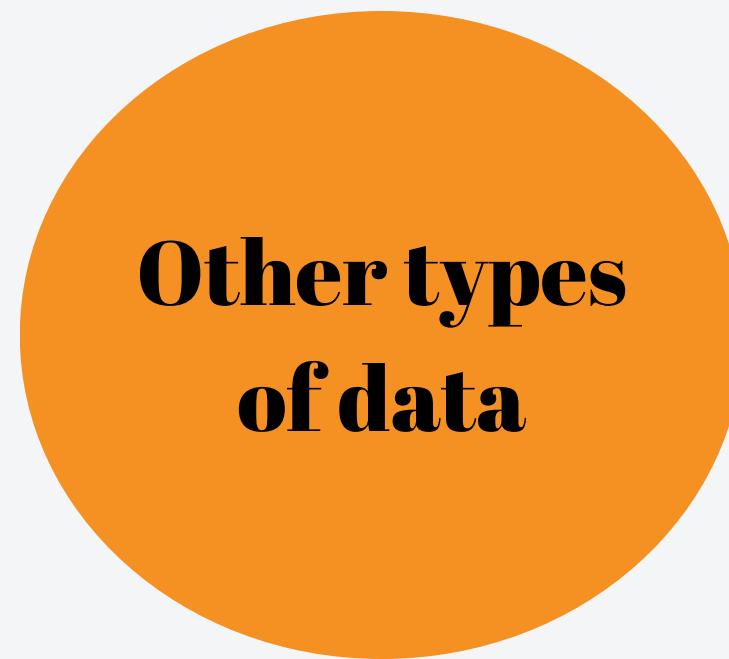
Results

Particularly focus on
weekdays! Watch out for
Wednesday and Thursday!

From 12 noon to 16:00 on Wednesdays
and Thursdays, all teams must be
directed to 34 ST-Penn STA, GRD
CNTRL - 42 ST, 34 ST-Herald SQ!



**More MTA
data!**



**Other types
of data**

Future Studies



**More
visualizations
!**

Thanks!