

# WomenTechWomenYes, Inc. Street Team Placement

Exploratory Data Analysis  
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Sep 17, 2021



## Background

- WTWY annual gala planned for summer 2022.
- Data analysis performed on NYC MTA turnstile data to inform WTWY decisions on where to place street teams.

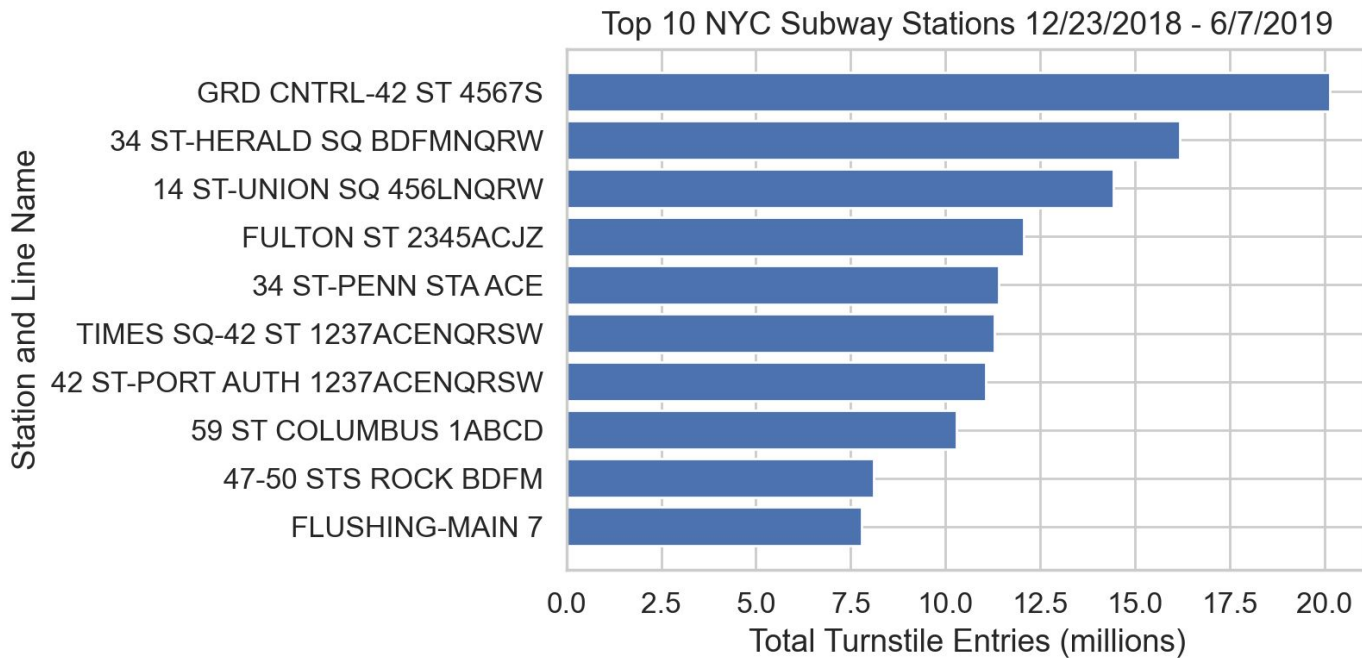


## Data Set

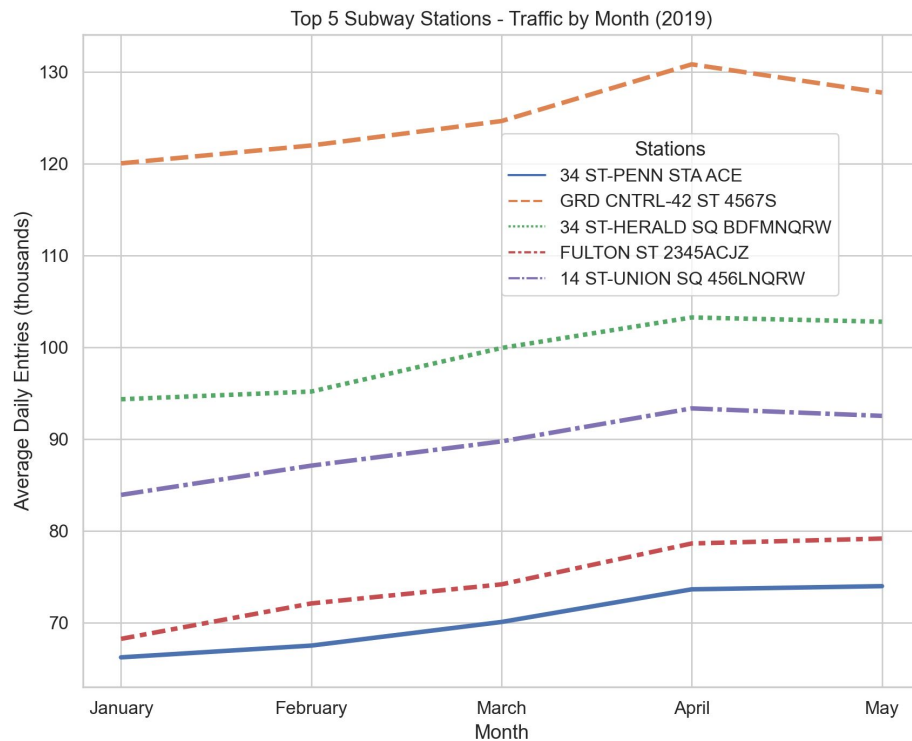
- Data primarily from 2019 Q1 and Q2 selected for analysis.
- Spring 2020 and 2021 data also evaluated, but traffic drastically reduced from 2019 due to COVID-19 pandemic.
- 2020 and 2021 data is not anticipated to be representative of MTA traffic during the promotional period for the gala in 2022.
- Q1 and Q2 evaluated since this is the anticipated time of year for promotion of the gala.



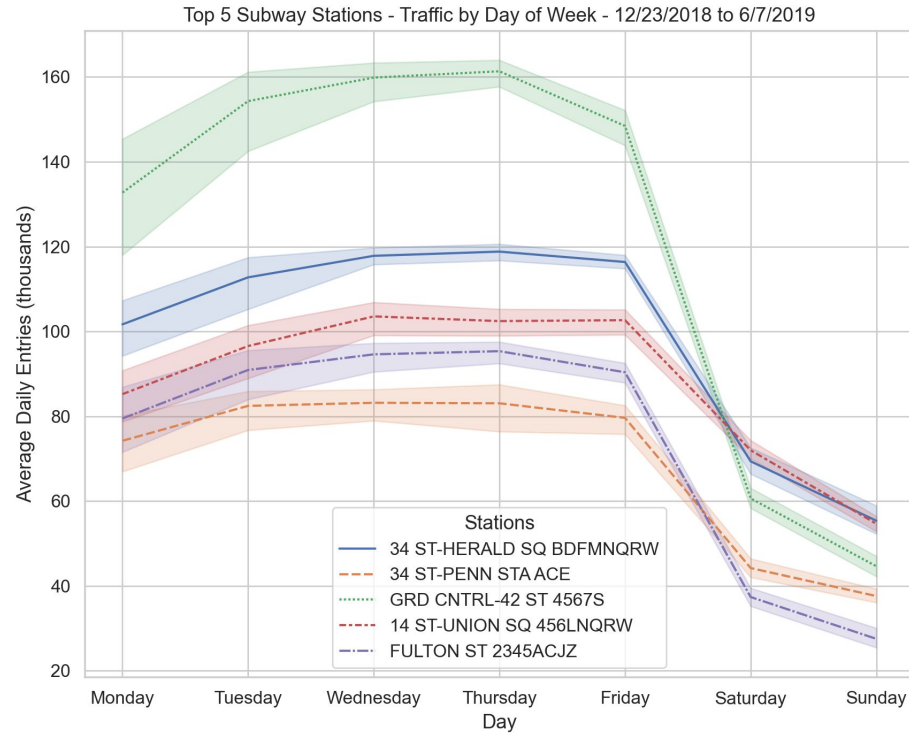
# Total Traffic



# Monthly Traffic

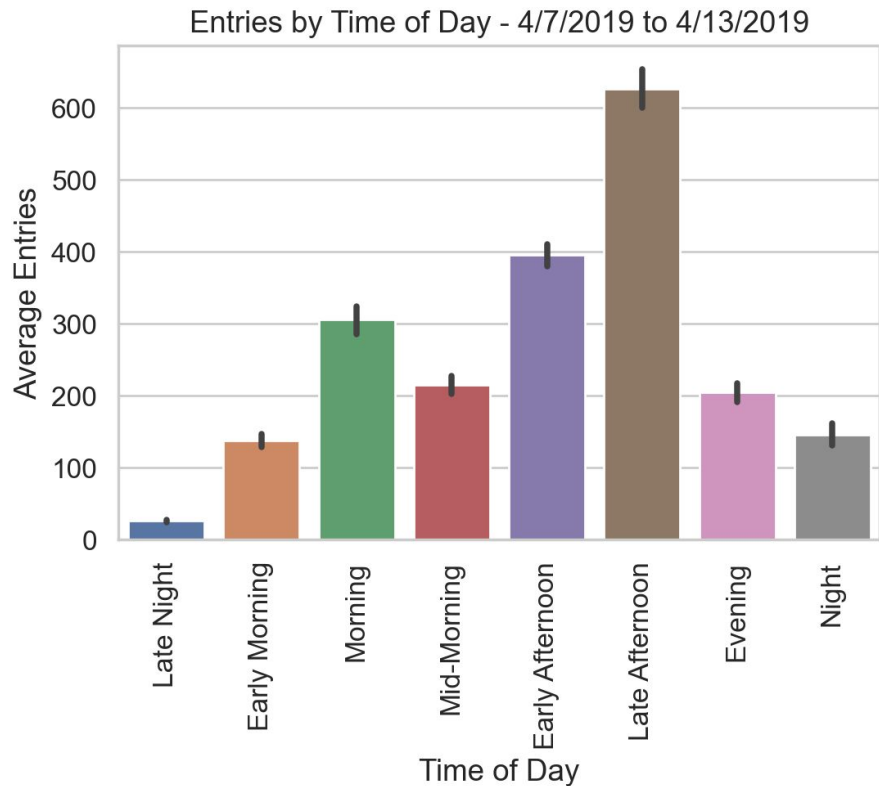


# Weekly Traffic





# Intraday Traffic





## Takeaways

1. Stations with the highest traffic are Grand Central, Times Square, Union Square, Herald Square, Penn Station, and Fulton Street. Consistent even in post-pandemic times.
2. Weekday traffic is higher than weekends. Wednesday to Friday traffic is consistently higher than the rest of the week.
3. Peak traffic is in the afternoons.





## Recommendations

1. Plan to place street teams at turnstile entrances for the highest traffic stations.
2. Focus on weekday afternoons with priority given to Wednesday through Friday.
3. Rotate teams through different stations to reach a wider base.

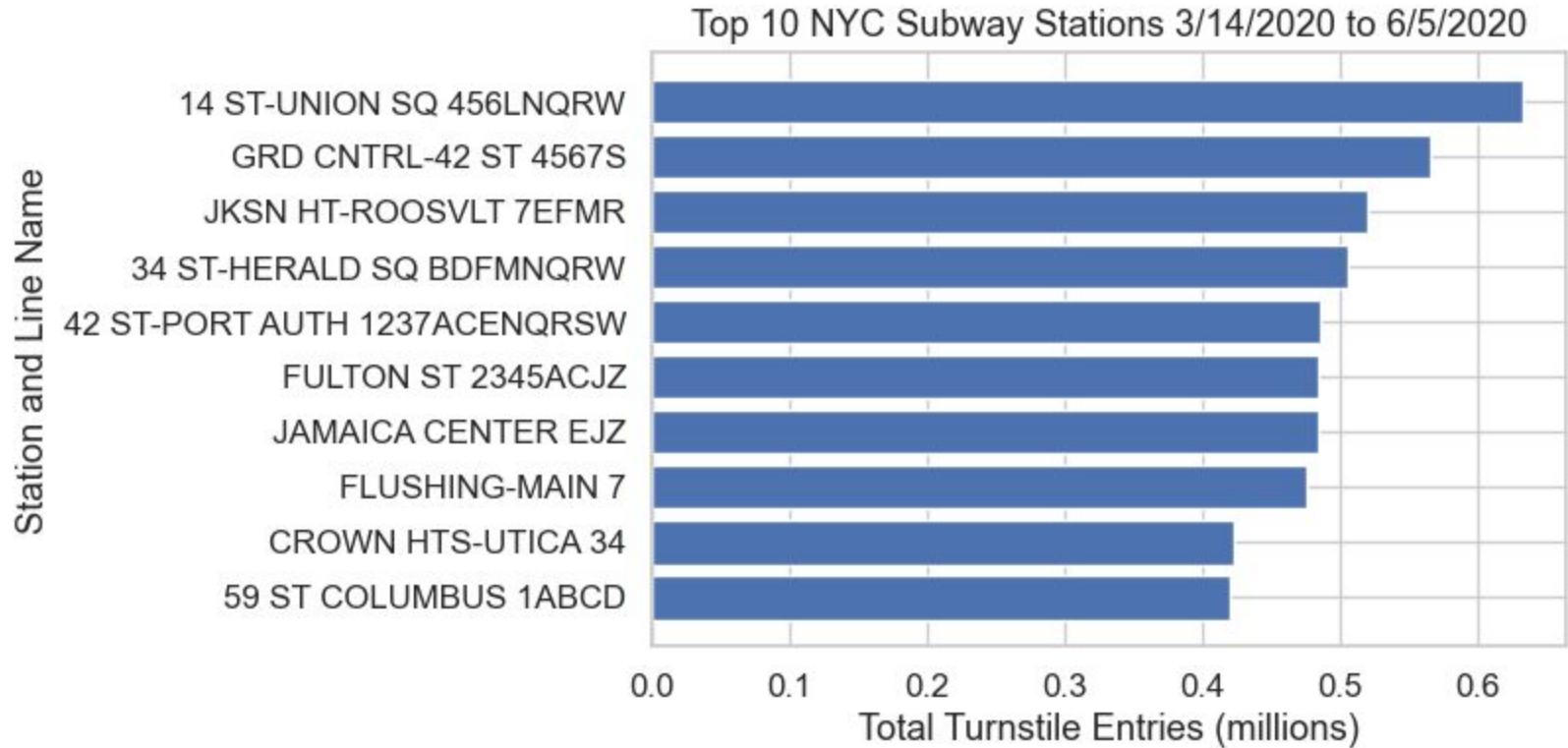


## Proposal for Further Analysis

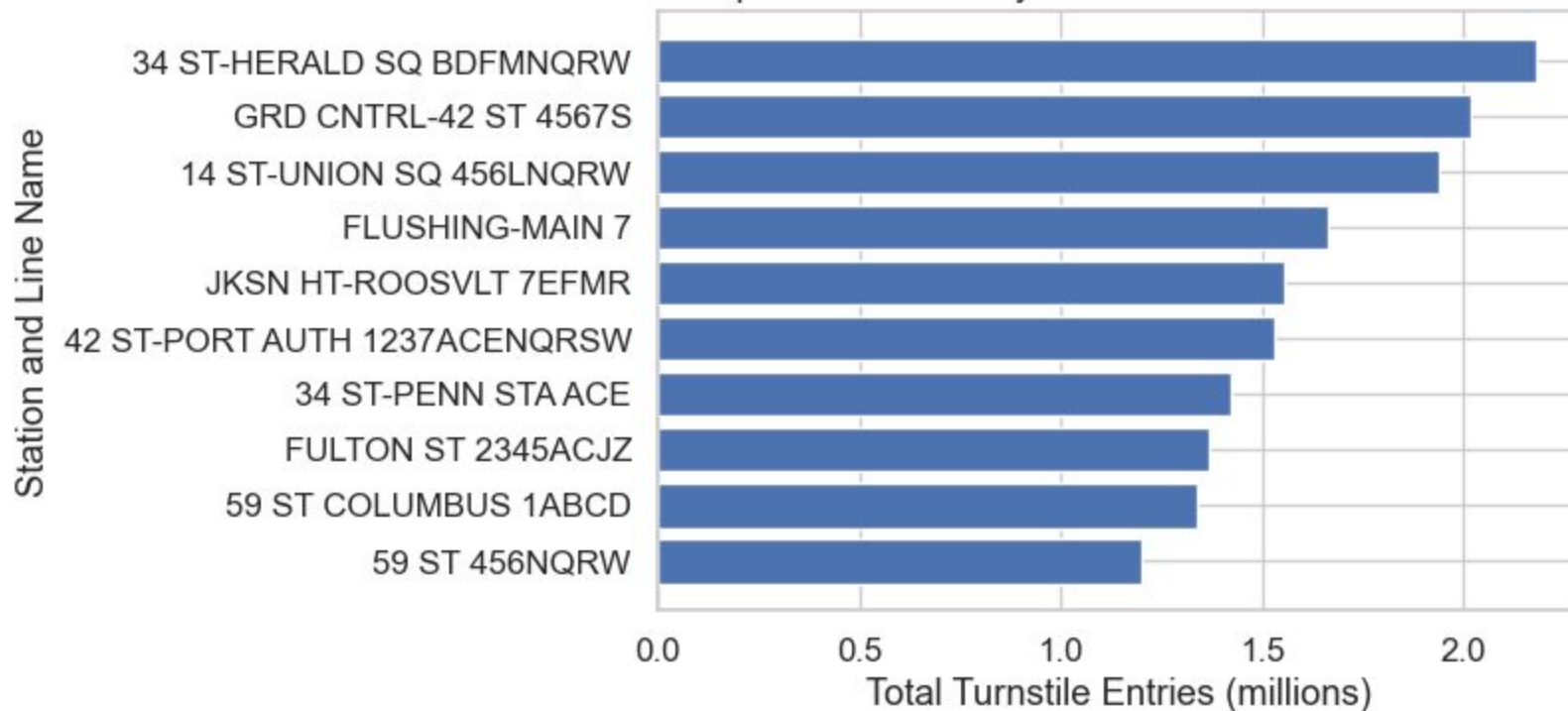
- WTWY to provide target audience demographics.
- Recommendations on locations to place street teams can be refined after taking demographic information into account.
- Traffic data can be combined with location data into an interactive tool which will allow for evaluation of candidate subway stations in specific neighborhoods.



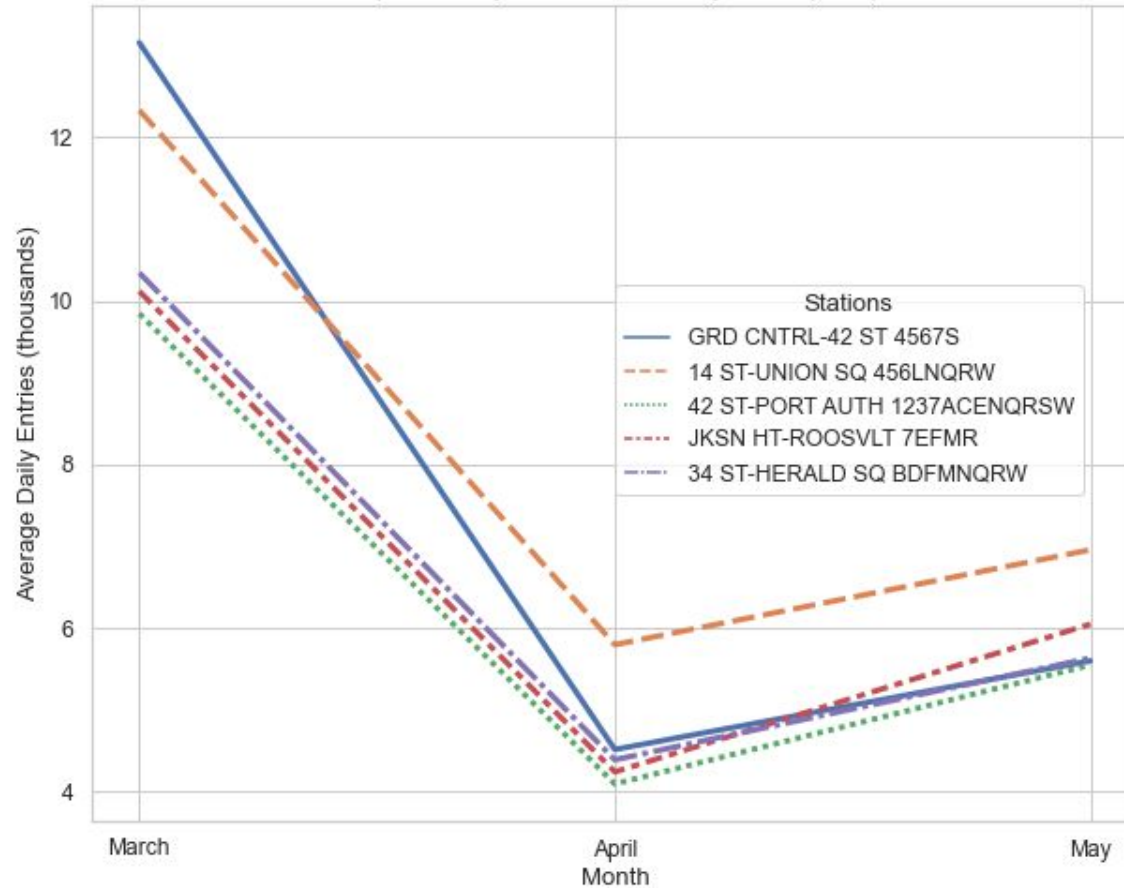
# Appendix



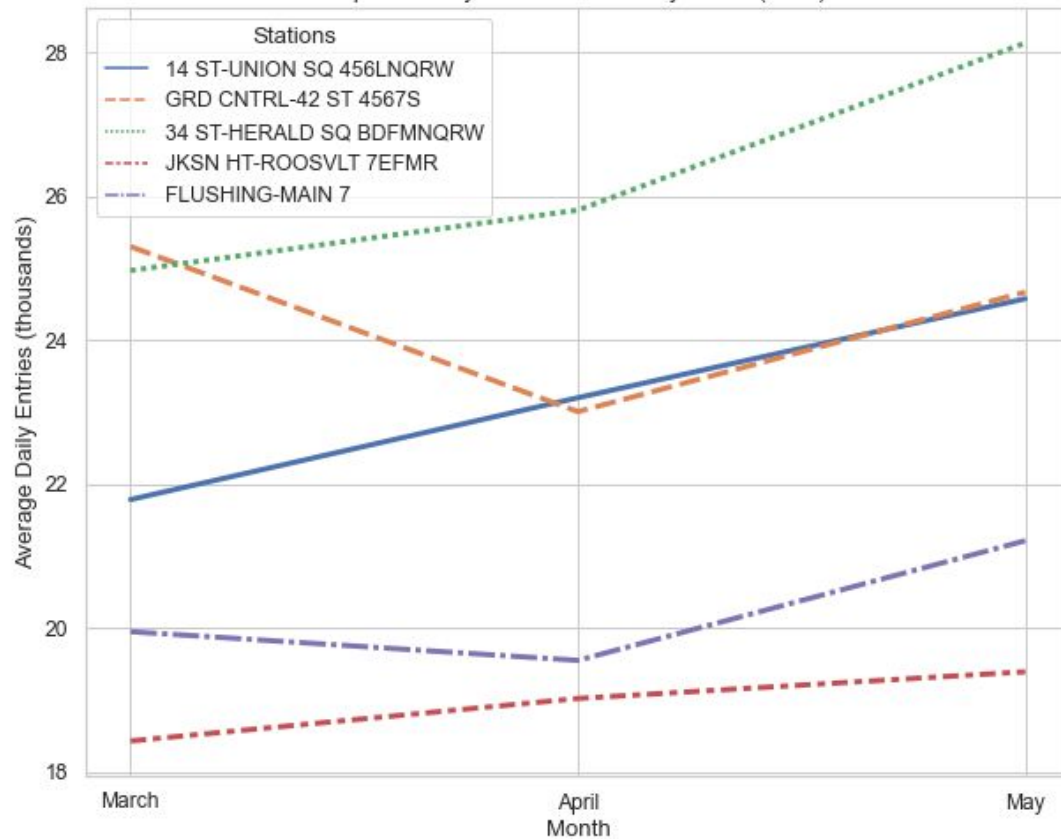
Top 10 NYC Subway Stations 3/13/2021 to 6/4/2021



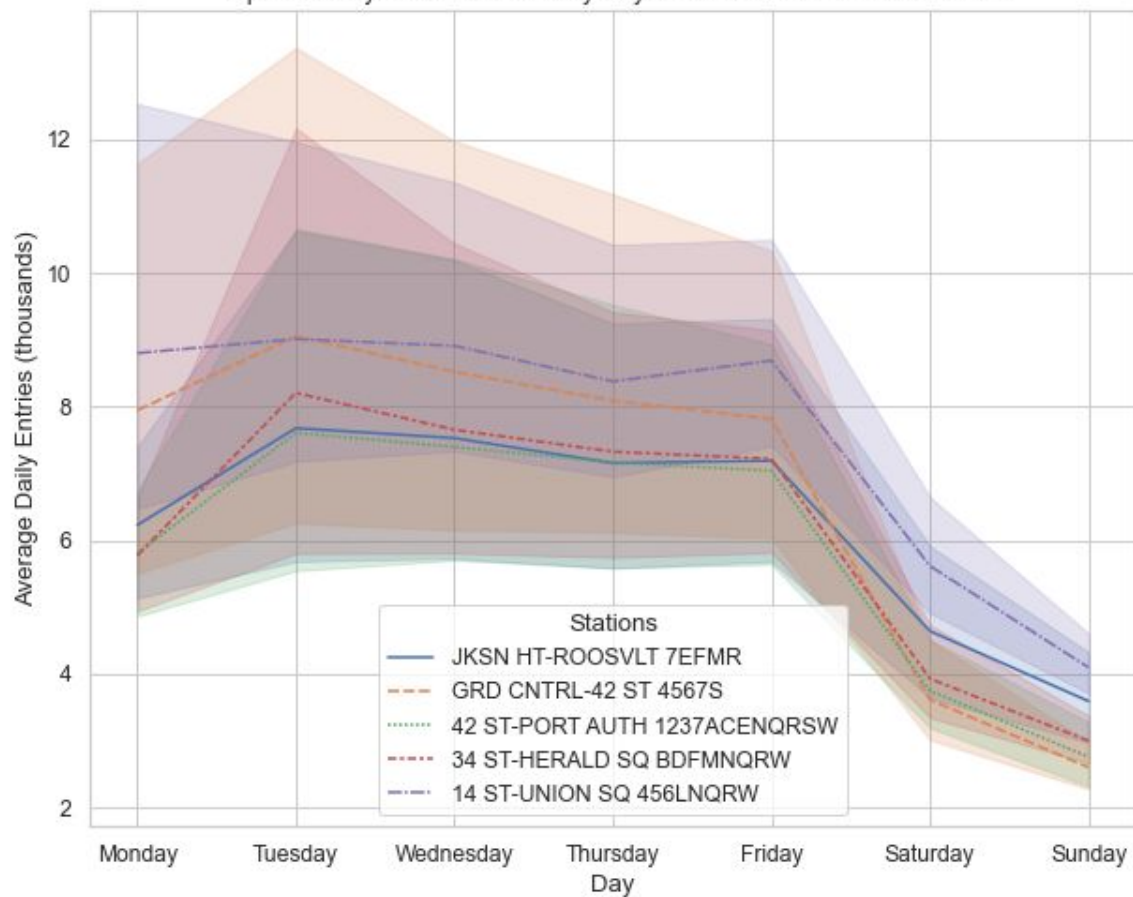
Top 5 Subway Stations - Traffic by Month (2020)



Top 5 Subway Stations - Traffic by Month (2021)



Top 5 Subway Stations - Traffic by Day of Week - 3/14/2020 to 6/5/2020





Top 5 Subway Stations - Traffic by Day of Week - 3/13/2021 to 6/4/2021

