MTA Traffic Analysis

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Introduction

- The Children's Scholarship Fund (CSF) is a non profit organization based in New York City.
- Aims to maximize educational opportunity for all children by offering tuition assistance.
- The organization wants to find the top five subway stations located in Manhattan with the highest foot traffic to promote their services.



Data

MTA turnstiles
dataset containing
cumulative entries
and exits of each
turnstile in each
station in NYC.



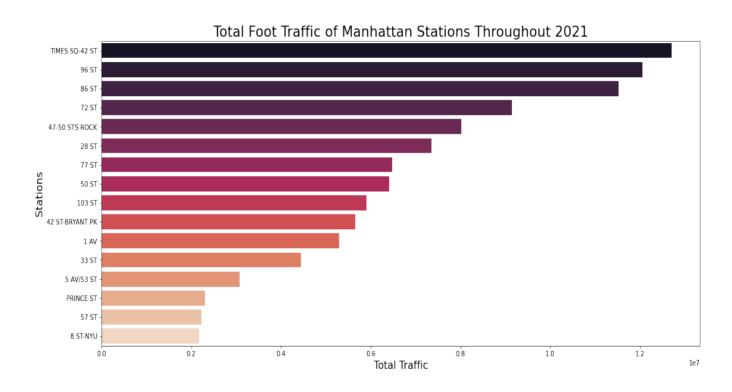
Data

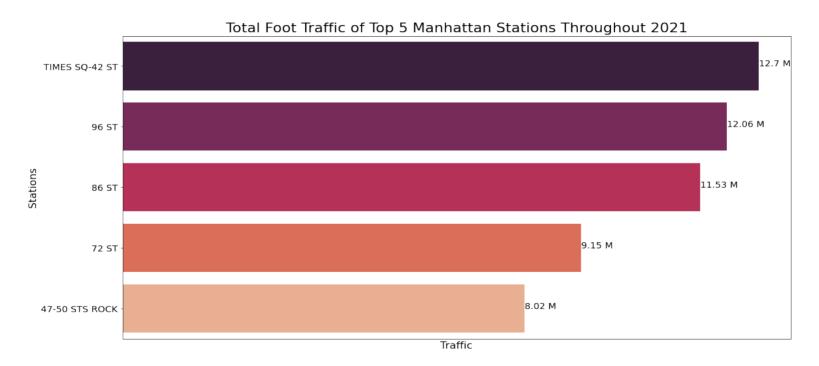
- Dataset starts from the beginning of 2021 up to October 9th.
- Only Manhattan stations were selected.

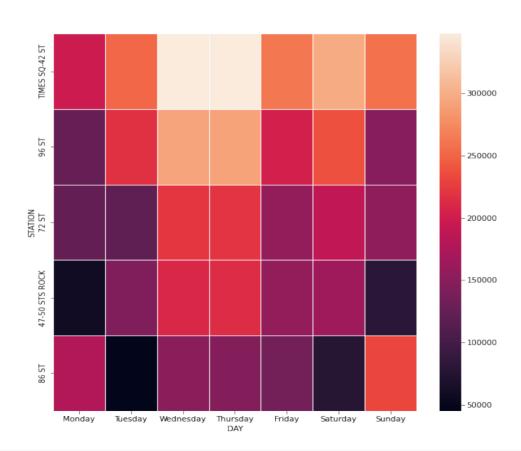


Data Cleaning & Preparation

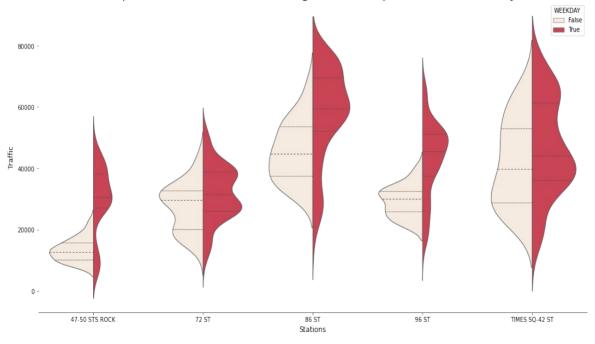








Foot Traffic of Top 5 Manhattan Stations Throughout 2021 Split Between Weekdays & Weekends



Conclusion

- Top 5 stations in-order:
 - 1. Times Square 42nd Street
 - 2. 96th Street
 - 3. 86th Street
 - 4. 72nd Street
 - 5. 47th 50th Streets Rockefeller

Conclusion

- Days with highest foot traffic:
 - 1. Wednesday
 - 2. Thursday

Thanks for Listening