
MTA Wi-Fi Solution for New York Subway Stations

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Project Motivation

The average person spends a considerable time commuting to and from the workplace, the Metropolitan Transportation Authority (MTA) believes that it's important to cope up with the need of this era and provide the convenience of being connected inside the stations and trains to its daily commuters.

Project Objective

To devise the MTA with the top visited stations in order to prioritize them in the initial working plan for installing and operating the Wi-Fi Network.

Methodologies

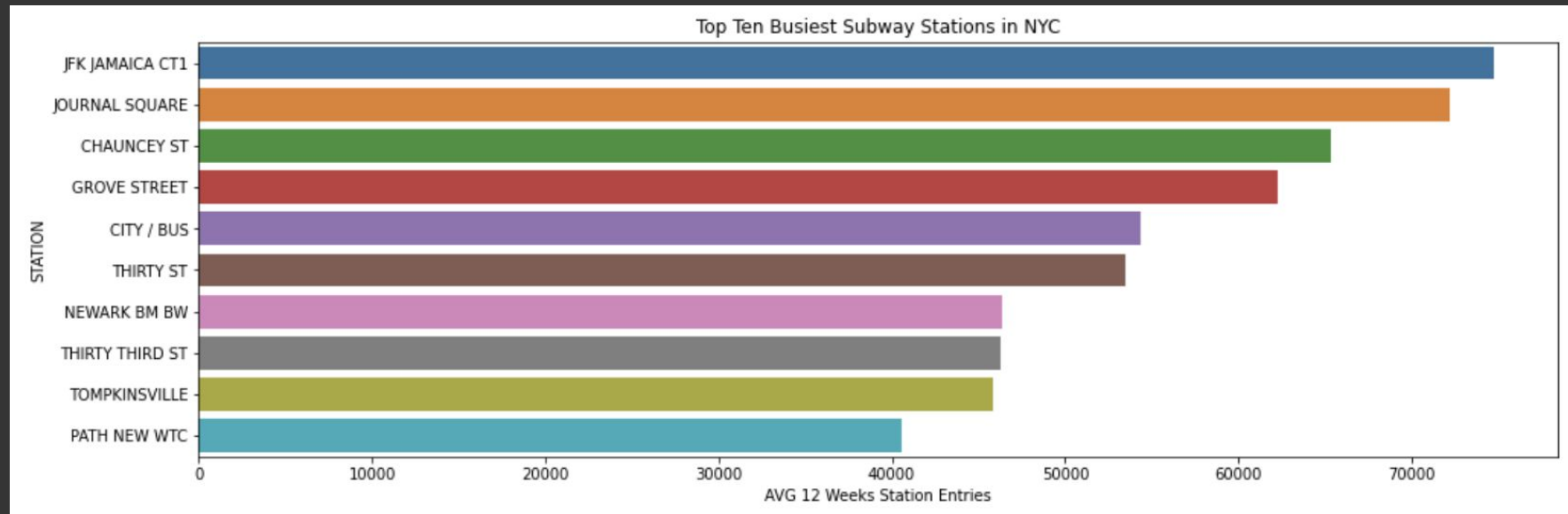
Data:

The data includes the daily and hourly exits and entries for each station for the three months spanning from July to September of 2021.

Tools:

- Numpy and Pandas
- SQL
- Matplotlib and Seaborn

Finding



Conclusion

The top stations are the stations that falls within Transportation hub premises, in close proximity to tourist attractions, or the ones that connects other states to New York.

Future Work

The analysis can be conducted more thoroughly by looking at the peak hours per day per stations that could help infer when the labor work can begin without interrupting the flow of operation.

A companion source of data could also help to have an understanding about the locations of the stations compared to the ISP Towers for the Network connection