

# **EDA Final Project**

## **NYC Subway Traffic and Walk-up Vaccination sites**

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3/23/2022





# Introduction

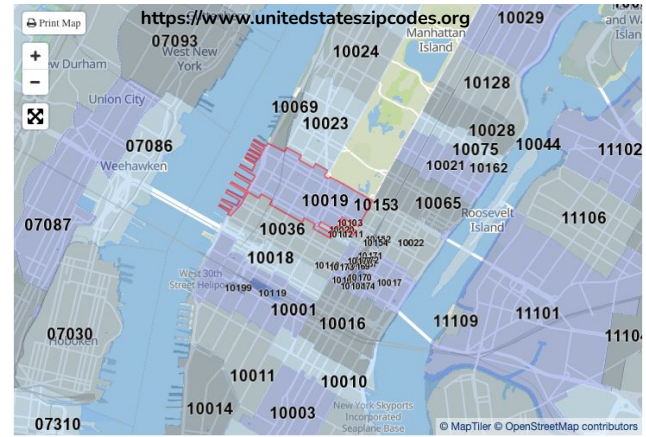
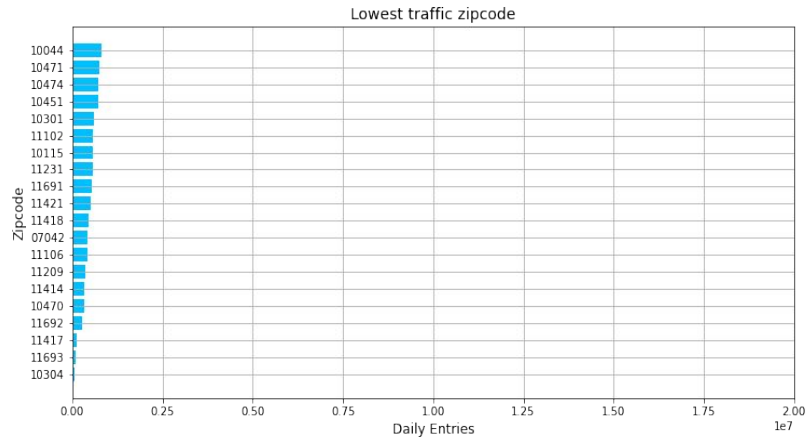
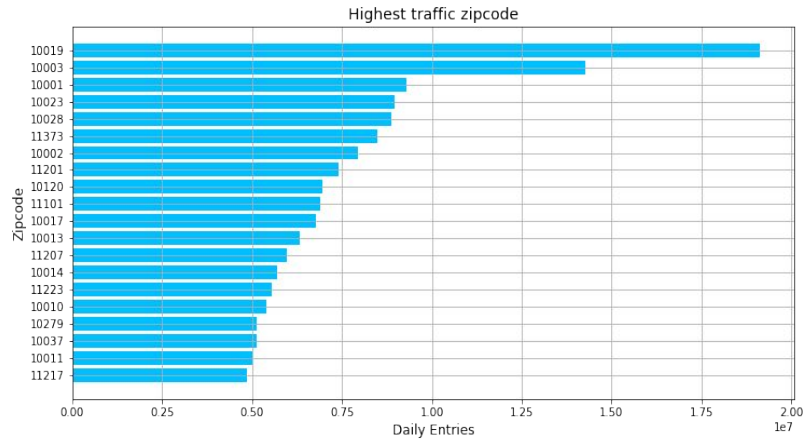
- Goal of the Analysis
- Data
- Tools



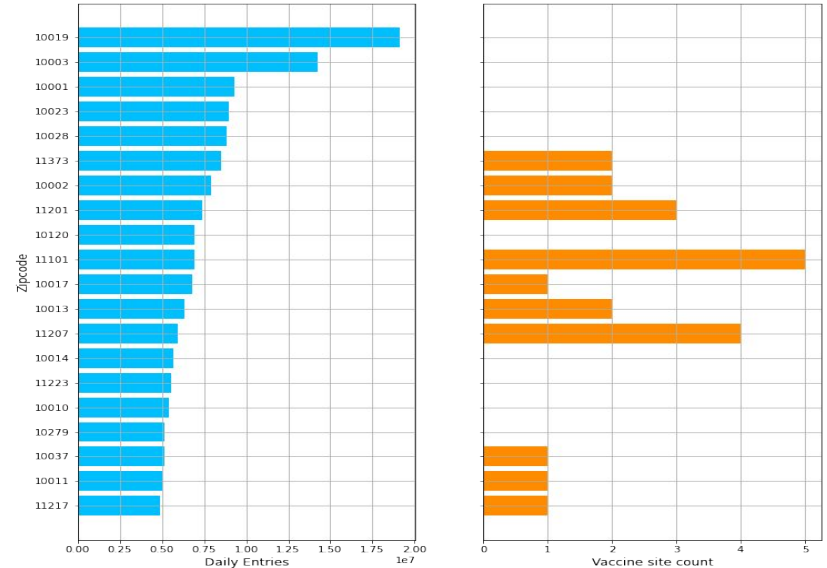
# Methodology

1. The MTA turnstiles data for 12 weeks
2. The entry total count by station
3. Zip code for each station
4. Walk-up vaccination sites available per zip code
5. Visualization

# Traffic by Zip Code

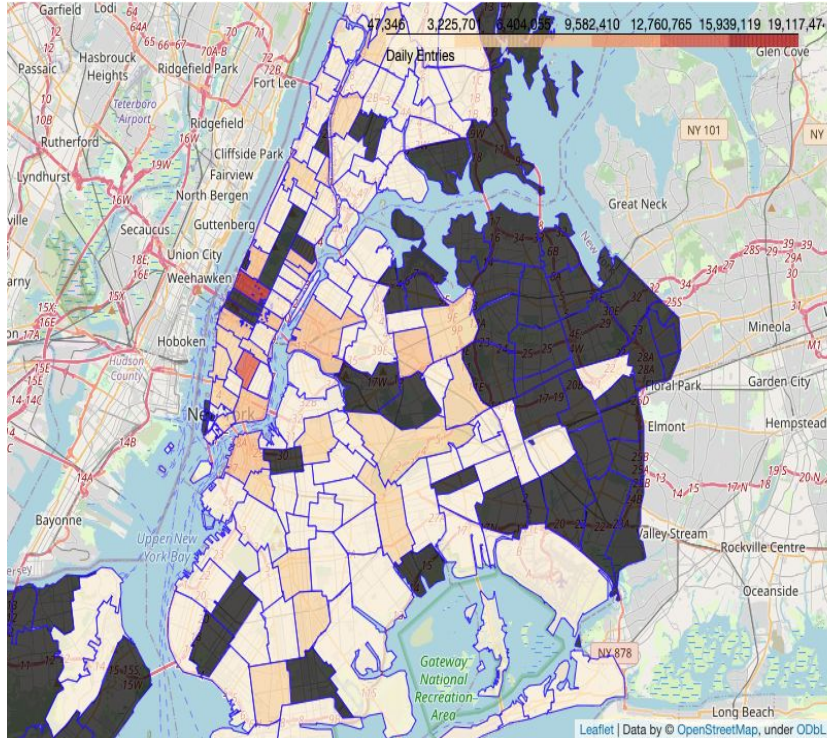


Top 20 Traffic zip codes and Vaccination Sites

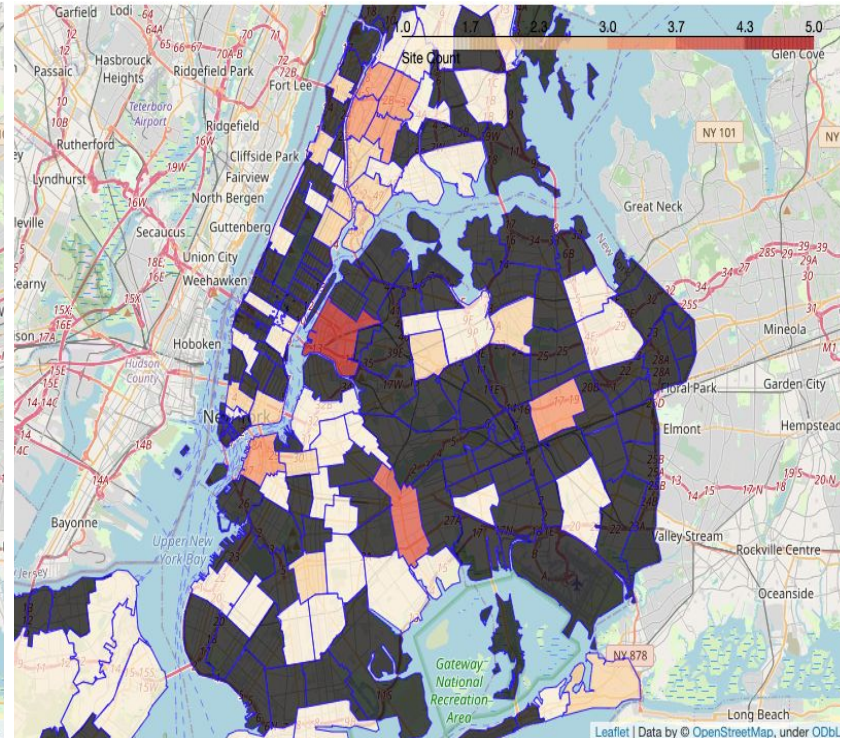


# The Results by Zip Code

## Traffic by Zip Code

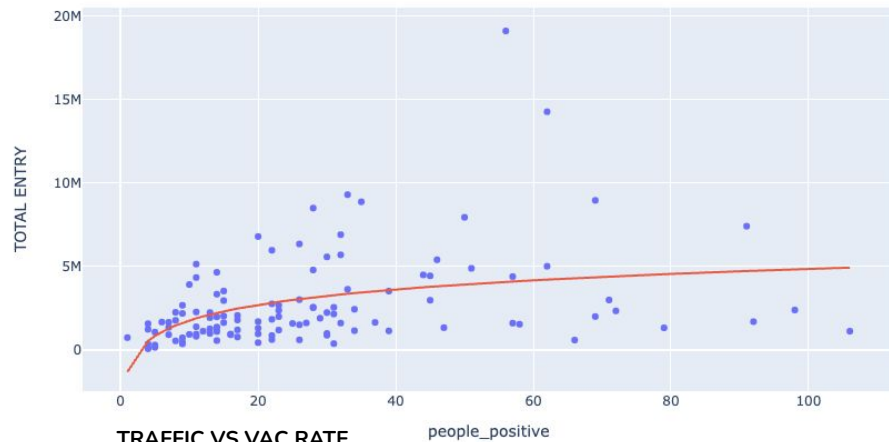


## Vaccine Site Count by Zip Code

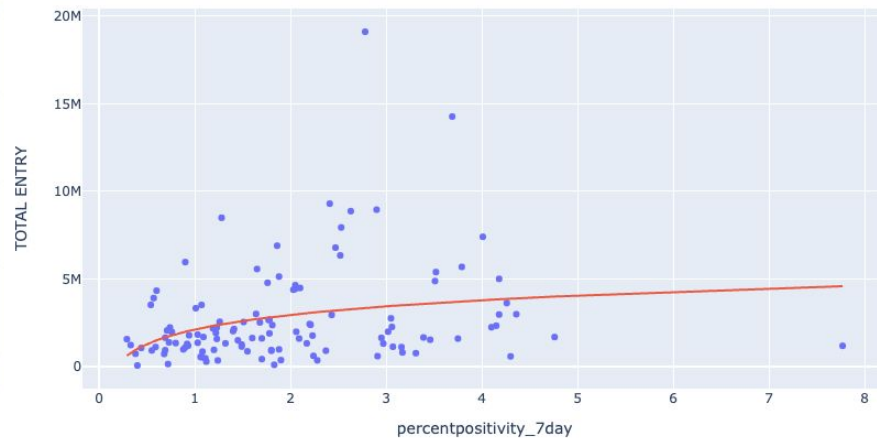


# The Results by Zip Code

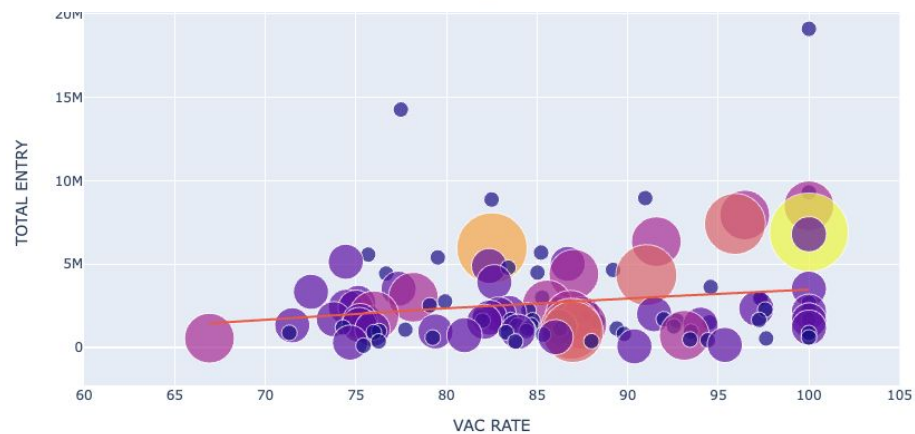
TRAFFIC VS POSITIVE CASES



TRAFFIC VS PERCENT POSITIVE



TRAFFIC VS VAC RATE



size = number of vac sites



# Conclusions

- Manhattan was identified as the highest traffic area.
- All 5 top zip codes are in Manhattan.
- My recommendation is to add more convenient walk-up vaccination sites to the busy Manhattan area.



# Appendix

-MTA Turnstiles Data

<http://web.mta.info/developers/turnstile.html>

-NYC Transit Subway Entrance and exit Data

<https://data.ny.gov/widgets/i9wp-a4ja>

-NYC Vaccine List

<https://nycvaccinelist.com/walk-ups>

-NYC Covid-19 data

<https://www1.nyc.gov/site/doh/covid/covid-19-data-vaccines.page#byzip>