



***Impact of COVID – 19 on Metropolitan Transportation Authority:
Analysis of Pre-covid and Post-covid data***



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Analysis of the MTA Data

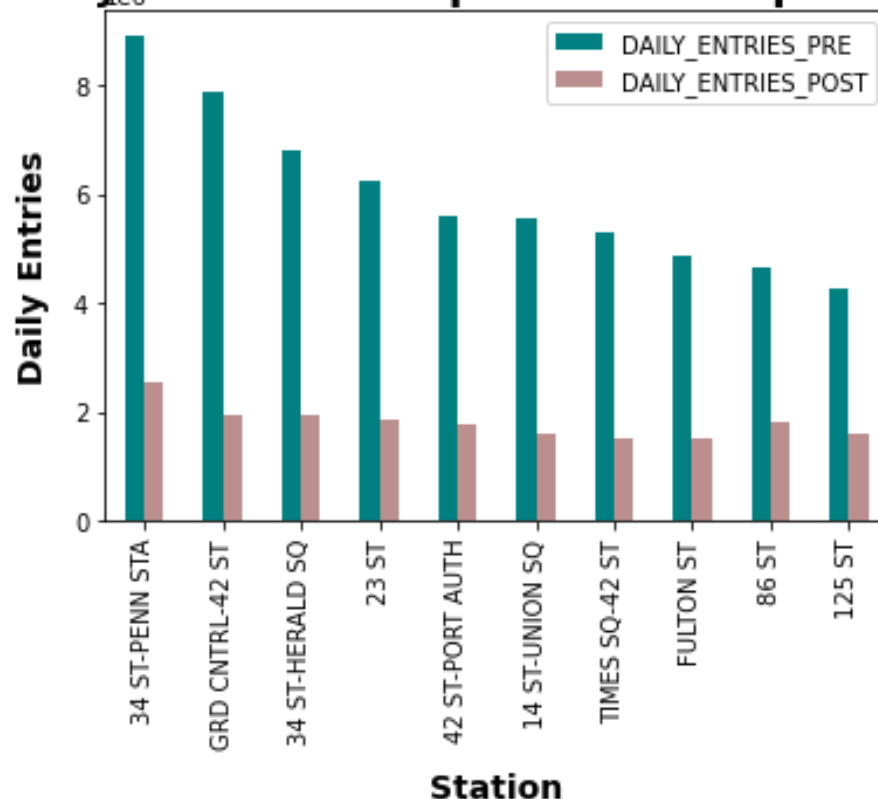
The project goal is to analyze the traffic data from MTA for pre covid and post covid time frames. Initially, the time frames for the project were - *Pre-COVID*: November 2019, December 2019, January 2020 and *Post-COVID*: November 2021, December 2021, January 2022. However, to make analysis more relevant and current, timeframes were changed as follows:

- *Pre-COVID*: February and March 2019
- *Post-COVID*: February and March 2022

The analysis of the current data will identify the changes in the traffic pattern and hence, enable MTA to make informed decisions and optimize the resources. The project assumes that there will be no new variant and the current situation is the new normal.

After the Exploratory Data Analysis on the pre-covid and post-covid MTA data, initial results depict that there is a huge decline in the traffic volume at all the stations. Even the busiest stations are operating at more than 60% decline at the moment.

Daily Entries for top 10 stations pre covid



The bar chart displays the names of the station on the horizontal axis and number of entries on the vertical axis. The chart depicts the precovid and postcovid daily entries for stations, which were the top stations in February-March 2019.