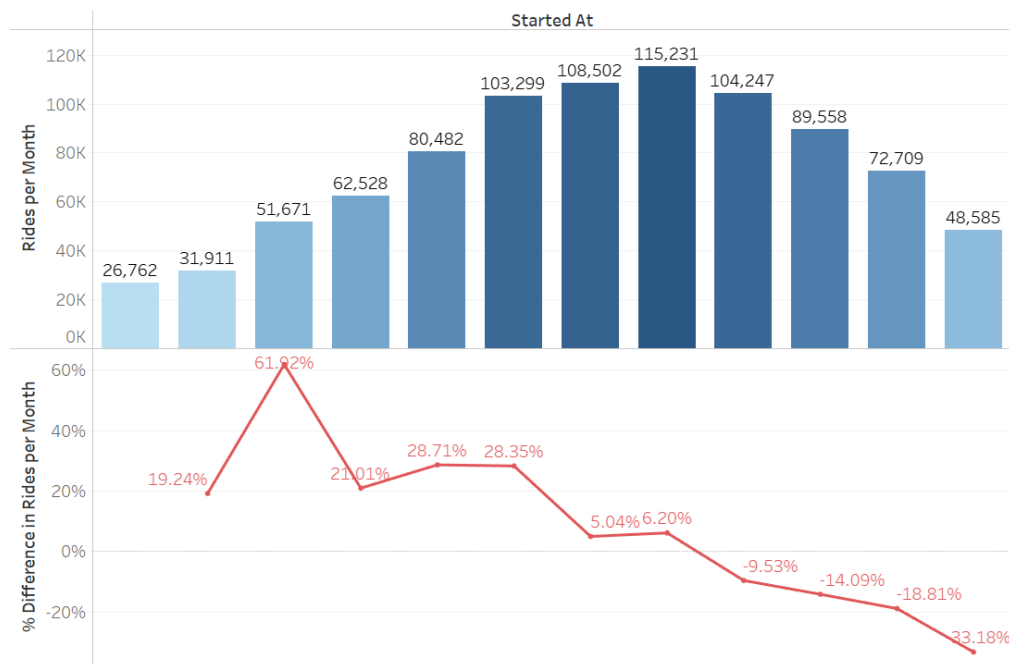


The main purpose of this project is to provide insights into the statistics of New York City Bike in 2022 using a dataset from City Bike Data.

## Ridership in General

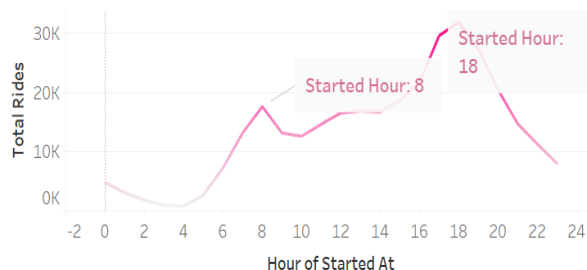
The monthly ridership increased drastically from January to July (, which gradually but steadily dropped down month-by-month towards the groove in December (with a negative growth percentage). Such trends indicate that people living in New York city preferably ride a bike during spring - summertime when the weather is warmer and nicer.

Number of Rides From Jan to Dec 2022

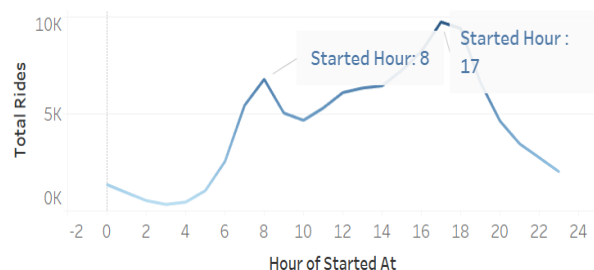


The city witnessed the busiest time of bike riding in both summer and winter was at 8am. However, people tended to come home early during winter as they finished their trip around 5pm while they spent more time riding outside in summer.

Peak Hours During Summer ( June - August)

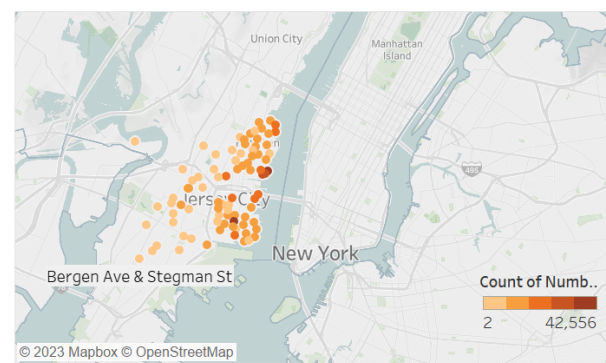


Peak Hours in Winter (Dec to Feb)

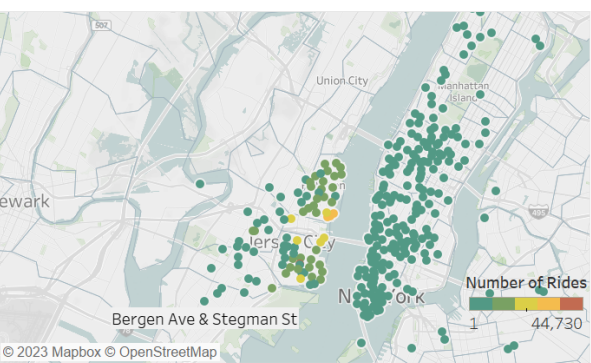


It can be seen from the map that both top popular start and top end stations are all located in New Jersey and most of the end stations are distributed in Manhattan. Therefore, I figured out that people chose to live in New Jersey and travelled to Manhattan to work.

Top Popular Start Stations

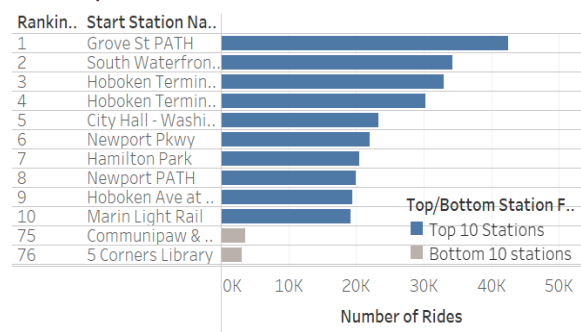


Top Popular End Stations



As we can see from the chart, the top 10 start stations and top 10 end stations are almost the same. With extremely high usage volume compared to the entire list, these stations require more maintenance and expansion.

The Top 10 and Bottom 10 Start Station



The Top 10 and Bottom 10 End Stations

