# Citi-Bike-Analytics

By
Aakash Rahman



Click here to see the visualities in Tableau

https://public.tableau.com/profile/aakash.rahman#!/vizhome/TableauHW-City-Bike-Analytics-Aakash/CitiBikeAnalyst
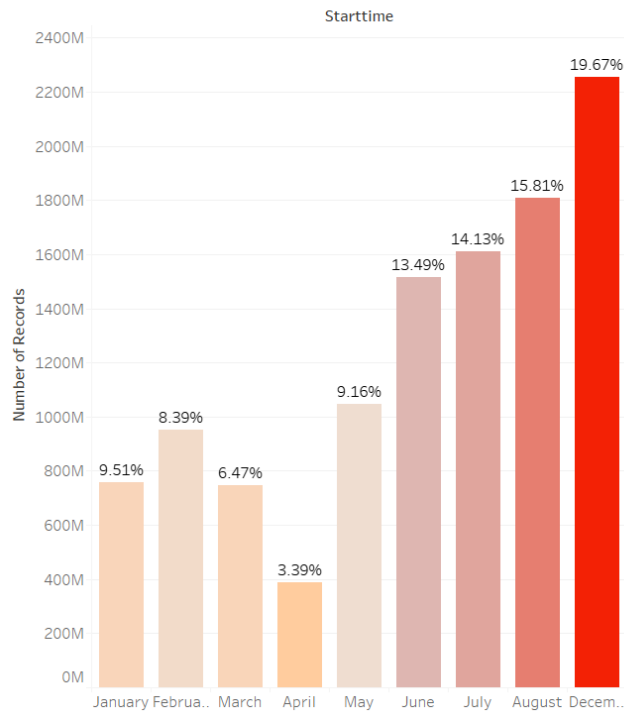
## Data Source: https://www.citibikenyc.com/system-data

The Analysis for Citi Bike program in which responsible for overseeing the largest bike sharing program for 100,000+ data points in the United States in order to generate business insights in terms of visualize the peak time in both summer and winter period and the top start location in Jersey City, New Jersey.
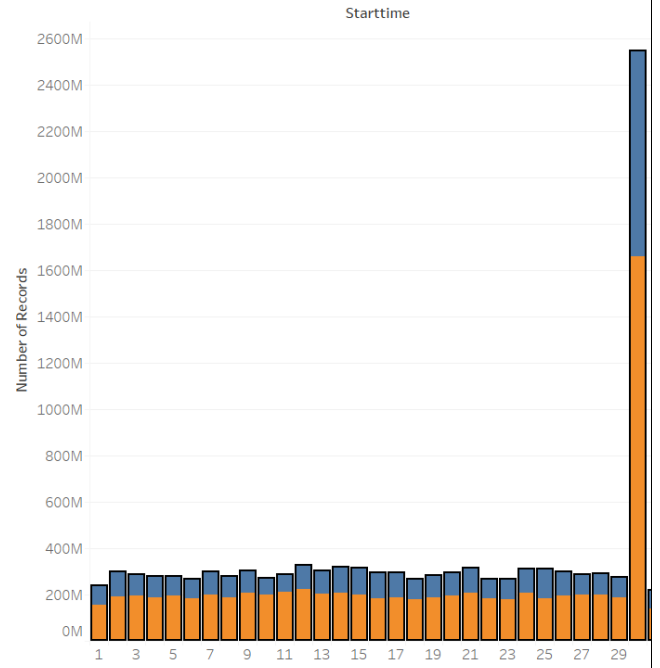I used Jersey City, NJ locations
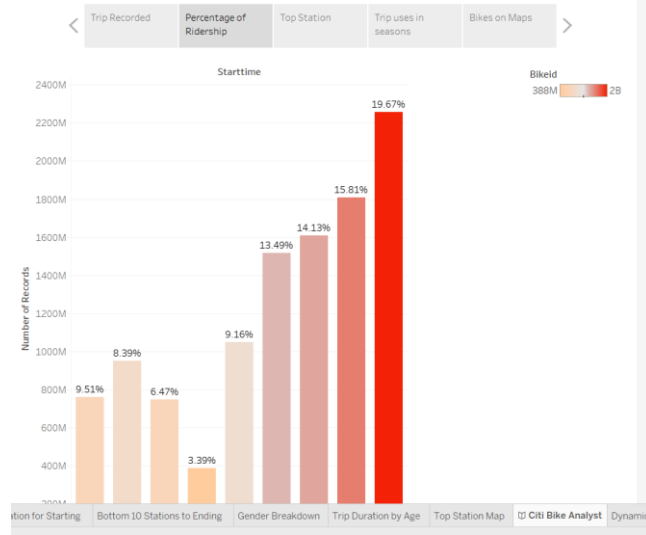
Below are few visualizations:
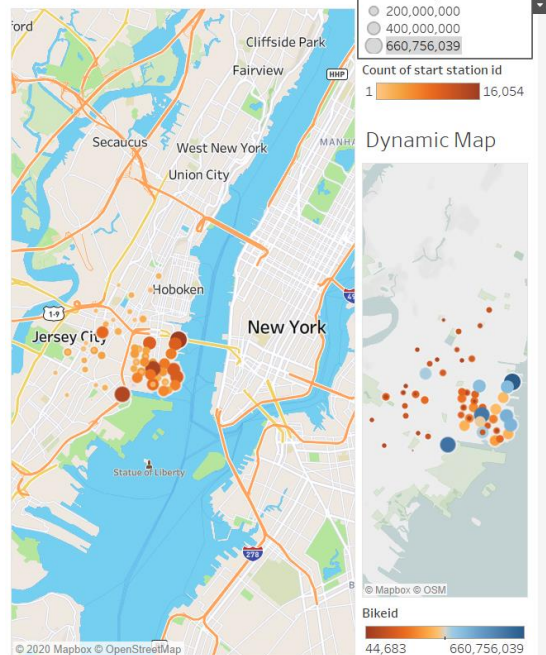
## Percentage of Ridersip grown

**Starttime**



## Proportion of Short Term & Annual Subscribs

**Starttime**



## Citi Bike Analyst

Trip Recorded | Percentage of Ridership | Top Station | Trip uses in seasons | Bikes on Maps

**Starttime**

Bikeid
388M — 2B

9.51% · 8.39% · 6.47% · 3.39% · 9.16% · 13.49% · 14.13% · 15.81% · 19.67%

...tion for Starting | Bottom 10 Stations to Ending | Gender Breakdown | Trip Duration by Age | Top Station Map | Citi Bike Analyst | Dynamic

## Top Station Map

Bikeid
· 44,683
◦ 200,000,000
◦ 400,000,000
◯ 660,756,039

Count of start station id
1 — 16,054

### Dynamic Map

Bikeid
44,683 — 660,756,039

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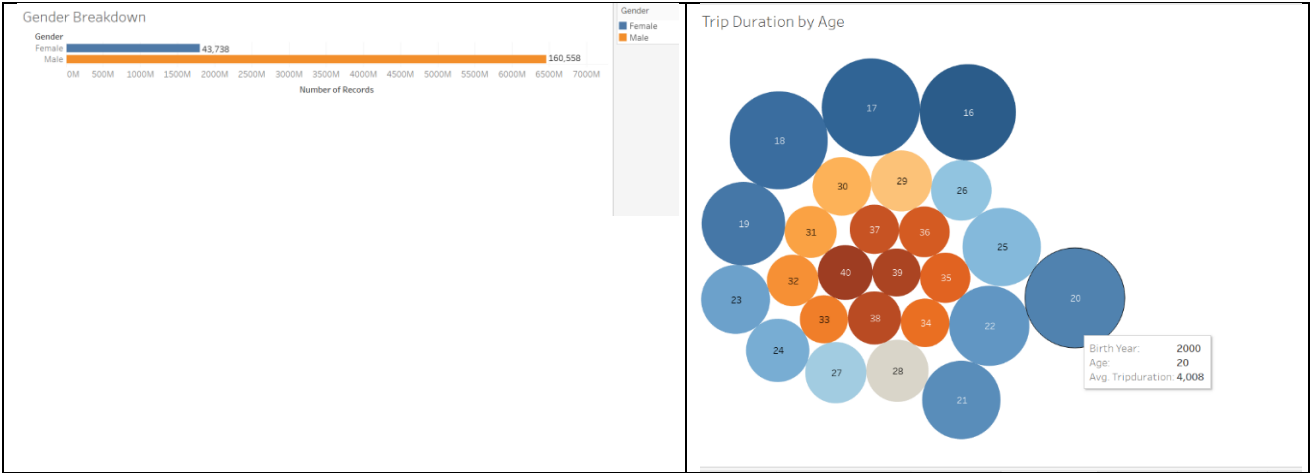© Mapbox © OSM
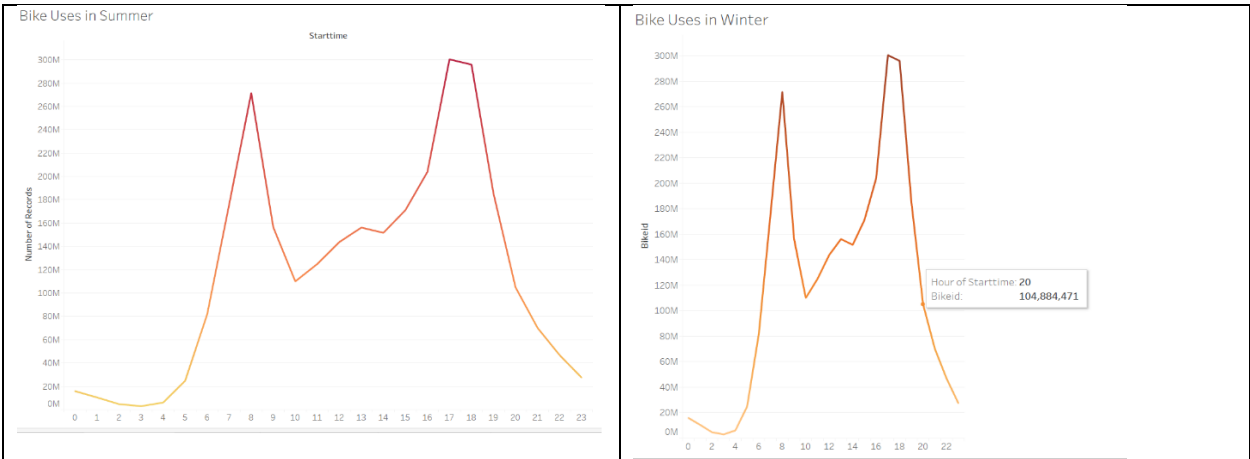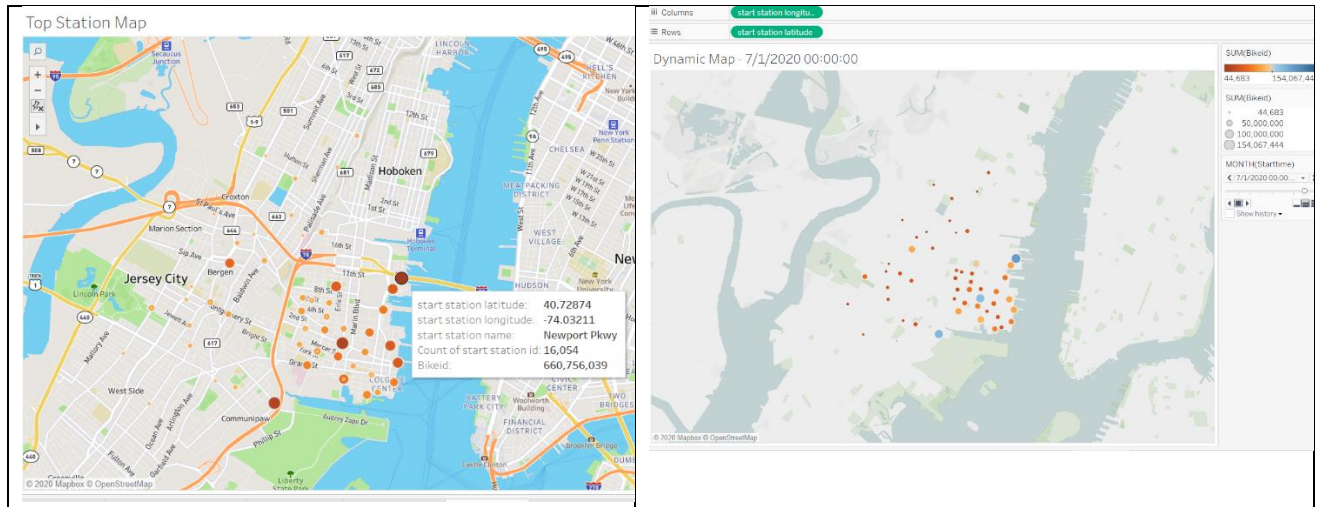
During the analysis, I found the current major Citi-Bike riders fall into young male group between 18 -20 but number of female raiders increases over time as they are showing interest to start riding during the weekend.



As the temperature gets cold as winter begins, people tend not to ride as well because of the lack of comfort individuals face when riding in low temperatures. Therefore, at some point the ridership does not grow. However, the total amount of annual member have been kept increased over time in 2020



Map Visualization in Jersey City, New Jersey:

## Top Station Map



start station latitude: 40.72874
start station longitude: -74.03211
start station name: Newport Pkwy
Count of start station id: 16,054
Bikeid: 660,756,039

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Columns  start station longitu...
Rows  start station latitude

### Dynamic Map · 7/1/2020 00:00:00



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SUM(Bikeid)
44,683    154,067,44

SUM(Bikeid)
· 44,683
○ 50,000,000
○ 100,000,000
○ 154,067,444

MONTH(Starttime)
◄ 7/1/2020 00:00... ▼
◄ ■ ▶
Show history ▼

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I used
Microsoft Excels
Tableau