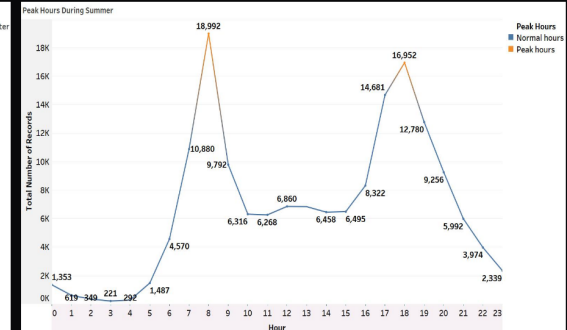
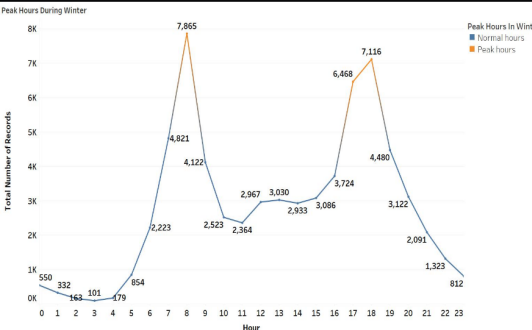
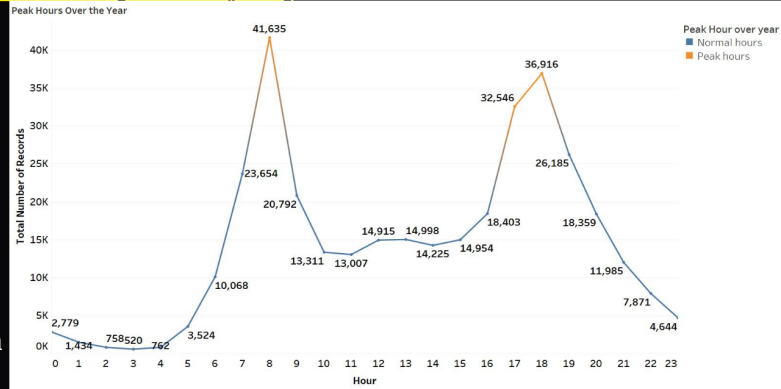


# JERSEY CITY CITI BIKE VISUALIZATION NOVEMBER 2017 THROUGH OCTOBER 2018

Like all other sharing systems, Airbnb the housing sharing system, Uber the car sharing system, Citi Bike is the network of bicycle rental stations intended for point-to-point transportation. Citi Bike is one of the largest bike sharing system. It's a convenient solution for trips that are too far to walk but too short for a taxi or the subway. The bike sharing system is combined with all other transportation methods available in the area for commuters.

## Line Chart 1 - Time wise imbalance (Peak/Off peak)

\*Blue part of the line represents normal hours of a day and orange shade represents the peak hours.  
 \*Maximum number of users which are nearly **41,635** are around morning 7am to 8pm because of rush hour.  
 \*As well as around 5pm to 6pm nearly **36,916** users when people usually return home from work.

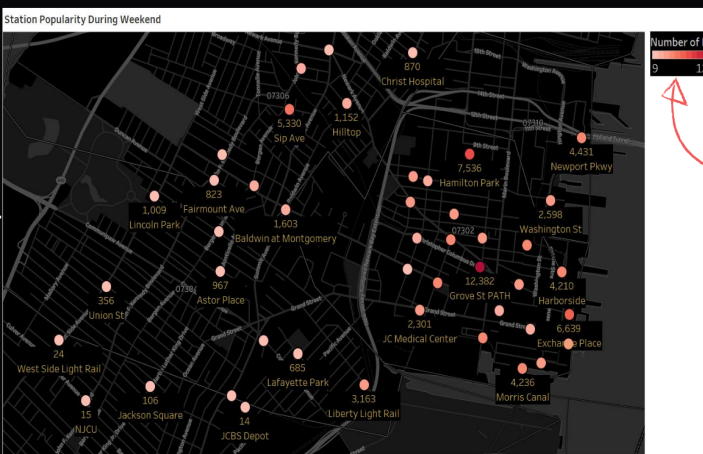


During winter, the numbers of overall users decreases with respect to summer

During summer, the numbers of overall users increases with respect to winter

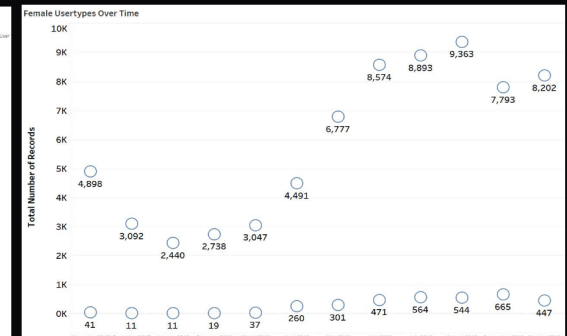
## Map Chart 2 Location wise imbalance (Top popular Station)

\*The most popular station is **Grove st path** and following that **Hamilton park** as there are many commercial buildings nearby hence citi bikes is used to reach offices. It also has a subway station which again makes it one of the busiest spots.  
 \*Exchange place is also in heat zone because of the river view walk and bike ride path way.

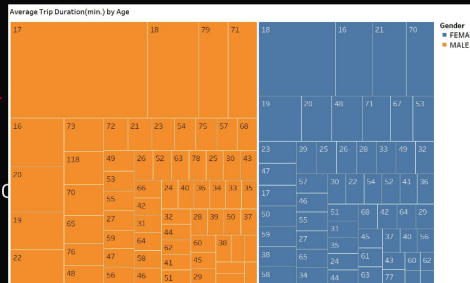


The range of the red color from left to right represents the least popular to most popular station.

## Chart 3 -User types over time with respect to sex



The visualization provides insights of rider's use by differentiating it into **24 hours/3-day pass user** and **annual user**. A correlation is observed between sex, age and no of users.



There are more male users than female users and within that most of the users are **teens** and **young adults** as well as **senior citizens** which tells us that citi bikes are used mostly to ride to **school** by teens and for **exercise** by the elderly.