

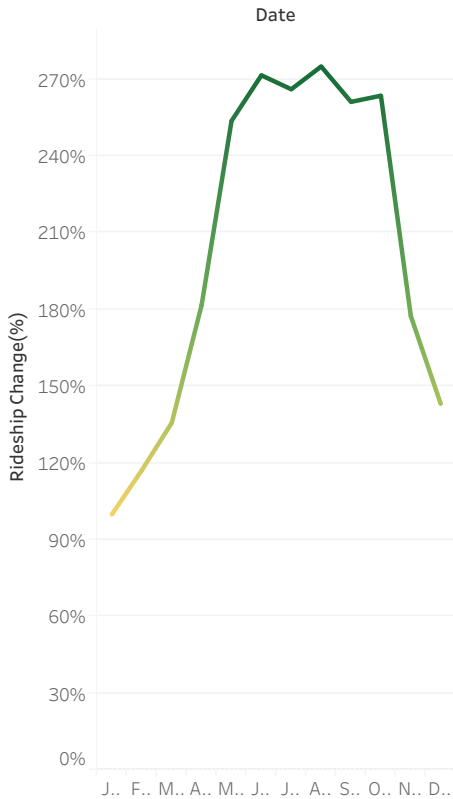
Story 1

Rideship Change over Month(2018)	Peak Hours during Winter Months or Summer Months	Peak hours during Winter Months and Summer Months for c..	The top 10 start and end stations. The bottom 10 start and e..	The Gender of the Rider distributon and the amount of Female..	The bike with the highest Tripduring are most likely due for re..	The utilization variability b..
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Total Recorded Citi Bike Trips in New York City in 2018: 17,593,918

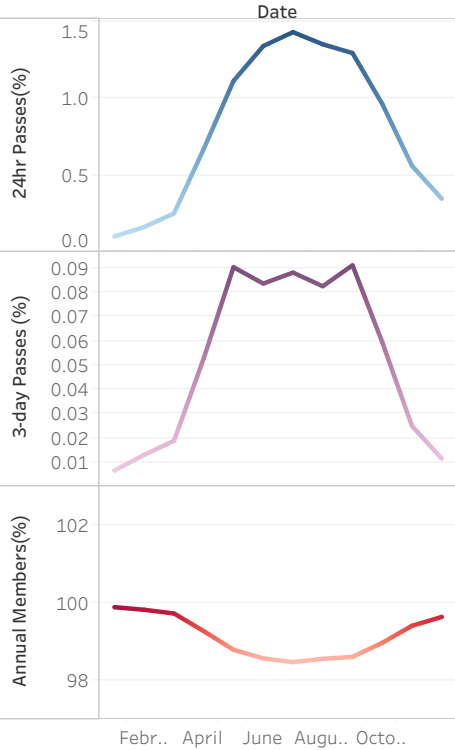
Rideship Growth over 12 Months(%)

Summer months(Jun-Aug) are the most busiest monthes for City Bike trips.Winter months(Dec-Feb) are the monthes the fewest people choose bike trips.



Short-term Customers Proportion vs. Annual Subscribers Proportion

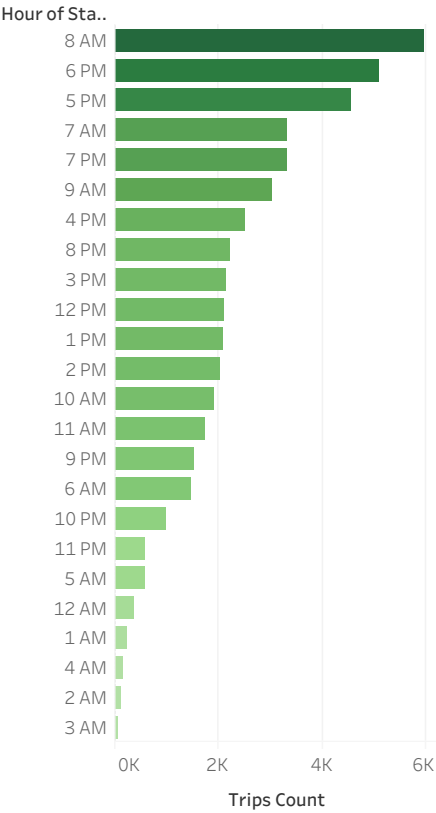
Among all the bike rider customers, the proportion of annual subscribers is from 98.5%-99.89%, 24 hours passes purchased customers are lower than 1.5%, 3-day passes customers are lower than 0.1%



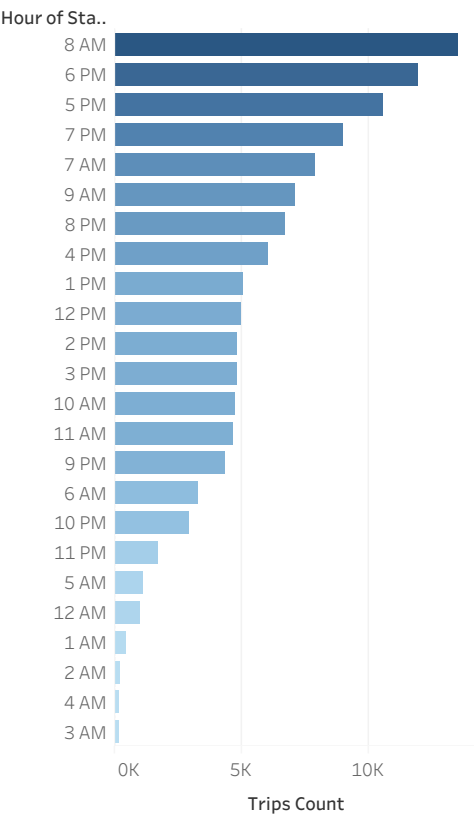
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Peak Hours during Winter Months(Dec-Feb)



Peak Hours during Summer Months(Jun-Aug)

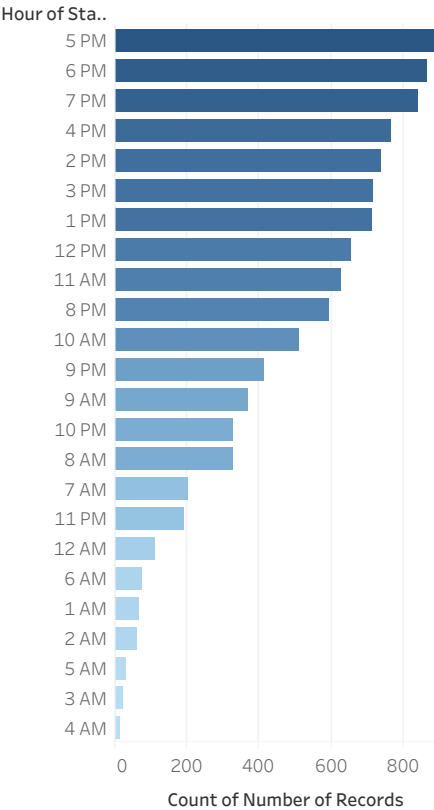


8AM are the busiest hour for both winter months and summer months, followed by 6pm and 5 pm.

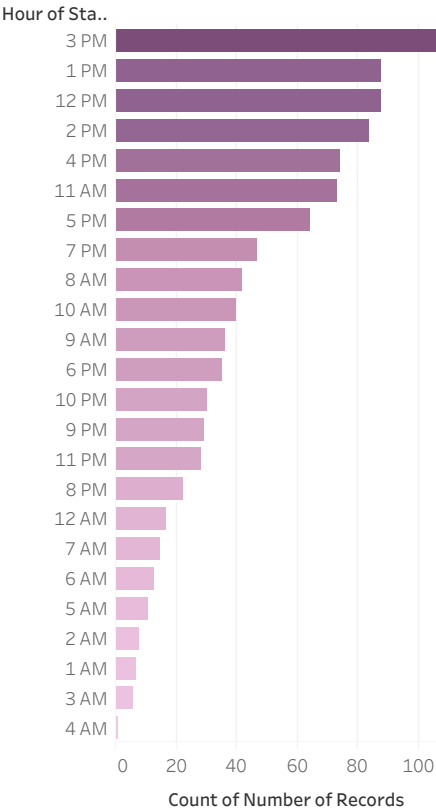
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Peak Hours of Summer Months for Customers



Peak Hours of Winter Months for Customers

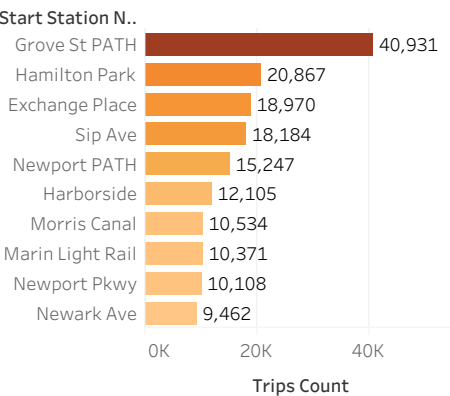


For the customer riders , peak hours is 5pm(summer months) or 3pm(winter months) not 8am. It might be because that the custmers use bikes for traveling not for working.

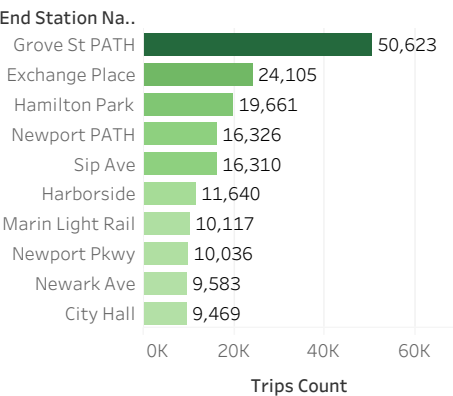
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Rideship Change over Month(2018)	Peak Hours during Winter Months or Summer Months	Peak hours during Winter Months and Summer Months for c..	The top 10 start and end stations. The bottom 10 start and e..	The Gender of the Rider distributon and the amount of Female..	The bike with the highest Tripduring are most likely due for re..	The utilization variablility by bike ID
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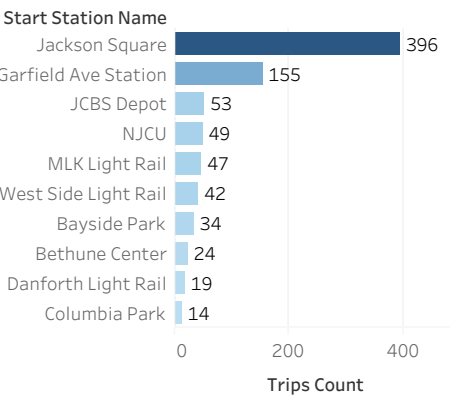
Top 10 Start Stations



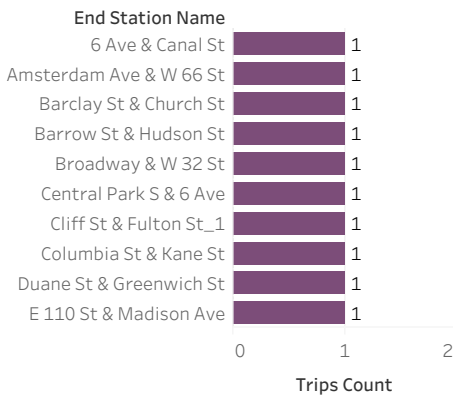
Top 10 Ending Stations



Bottom 10 Start Stations



Bottom 10 Ending Stations

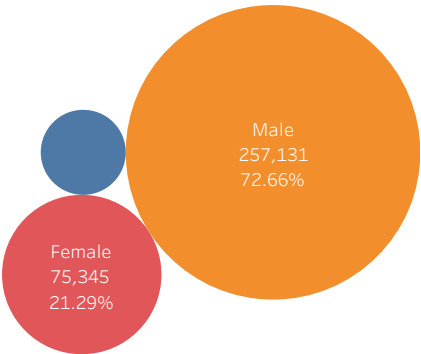


There are 8 stations in both list of top 10 start station and top 10 ending stations.

Story 1

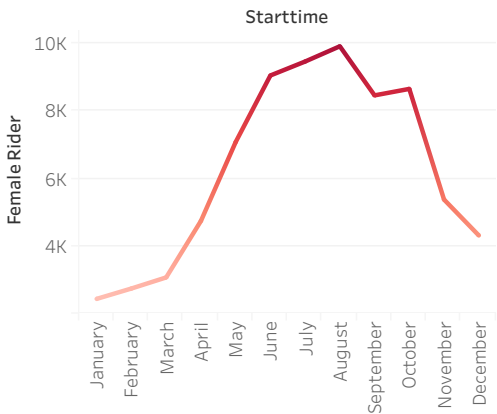
Peak Hours during Winter Months or Summer Months	Peak hours during Winter Months and Summer Months for cities	The top 10 start and end stations. The bottom 10 start and end stations	The Gender of the Rider distribution and the amount of Female riders	The bike with the highest Trip duration are most likely due for repair	The utilization variability by bike ID	The popular start stations and end stations
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Gender Distribution



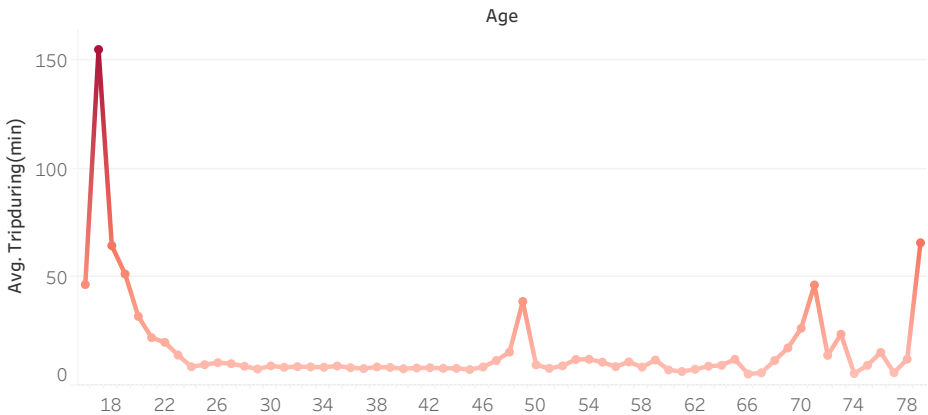
Female Rideship Change over Months

Female Ridership increased dramatically from Jan to Aug, The amount of rideship reached the highest on August, and dropped after that.



Average During vs. Age(<80)

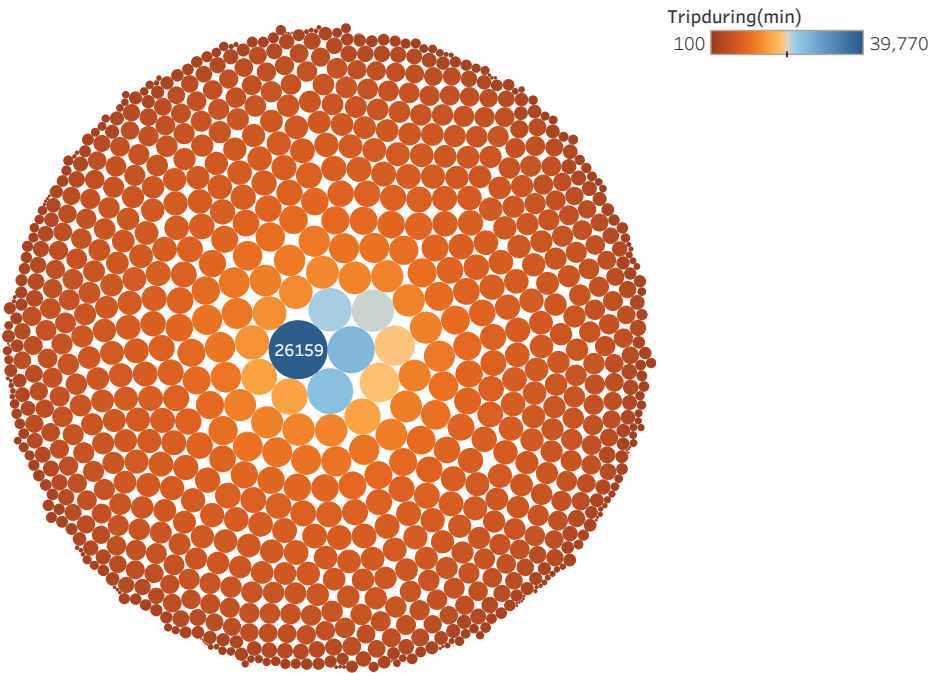
In the dataset, There are 130 riders' age greater than 100, 63 riders' age greater than 87. The information might not be trustworthy, I excluded these data while analyzing. The customers at age 19 got the highest average trip duration 154 minutes.



Story 1

Peak hours during Winter Months and Sum..	The top 10 start and end stations. The bottom 10 start and e..	The Gender of the Rider distributon and the amount of Female..	The bike with the highest Tripduring are most likely due for re..	The utilization variability by bike ID	The popular start stations and end stations	All stations (start stations and end stations) popularit..
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The Trips' Average Distance: 1.989 miles



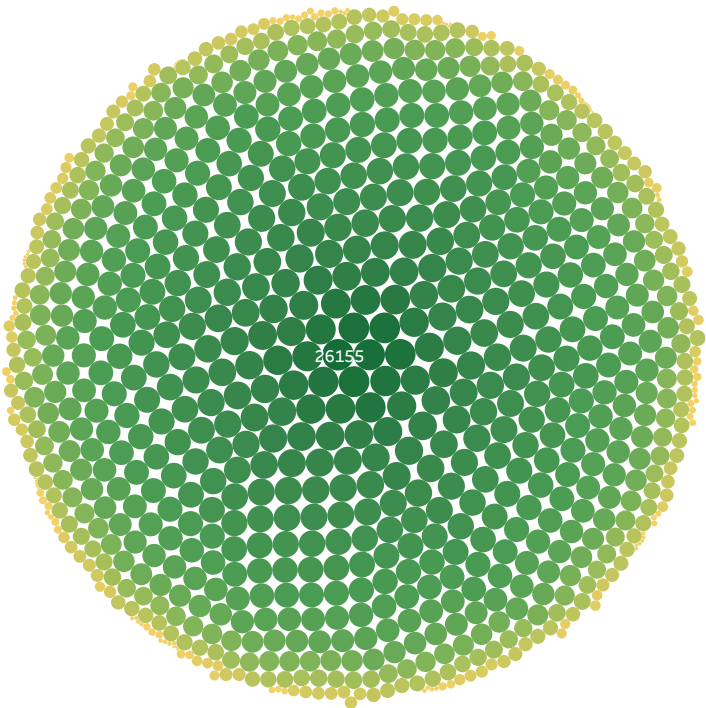
Bikes with the Highest tripduring are most likely due for repair or inspection. The top 5 bikes likely due for repair are 26159, 26262, 29438 ,26210, 29647.

Story 1

The top 10 start and end stations. The bottom 10 s..	The Gender of the Rider distributon and the amount of Female..	The bike with the highest Tripduring are most likely due for re..	The utilization variability by bike ID	The popular start stations and end stations	All stations (start stations and end stations) popularity c..	Customers' age and subscribers'age
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The Utilization Variability by Bike ID.

Number of Records
50 873

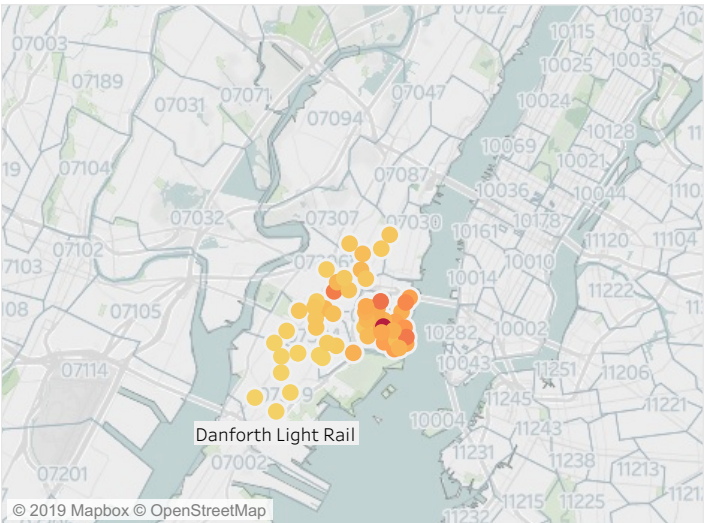


The bikes are rided by customers from 50 times to 873 times in 2018. The top 5 most often rided bike are 26155, 26288, 29586, 29602, 29635.

Story 1

The top 10 start and end stations. Th..	The Gender of the Rider distributon and the amount of Female..	The bike with the highest Tripduring are most likely due for re..	The utilization variability by bike ID	The popular start stations and end stations	All stations (start stations and end stations) popularity c..	Customers' age and subscribers'age
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The Popular Start Stations

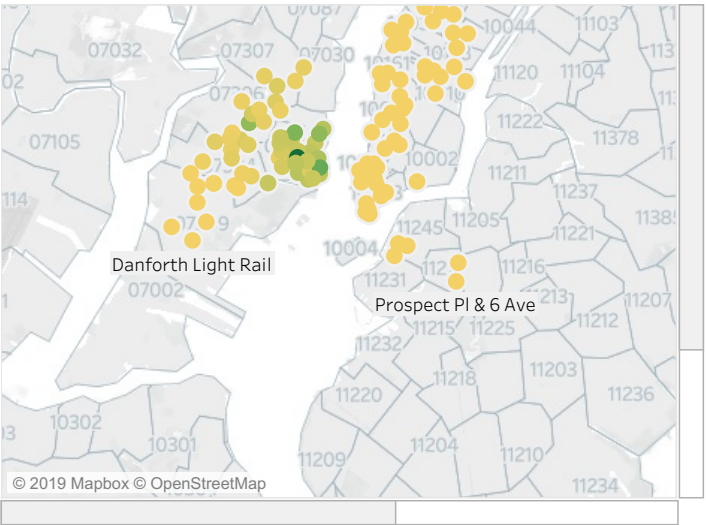


Count of Number of Reco..
14 40,931

Count of End Station Id
1 50,623

From the map we can see, all the start stations are located in Jersey city, and all the top 10 start and top 10 end stations are located in Jersey City, but end stations distributed in Jersey City, Manhathan and Brooklyn.It seemed that lots of people choose to live in Jersey City and work in Manhathan.

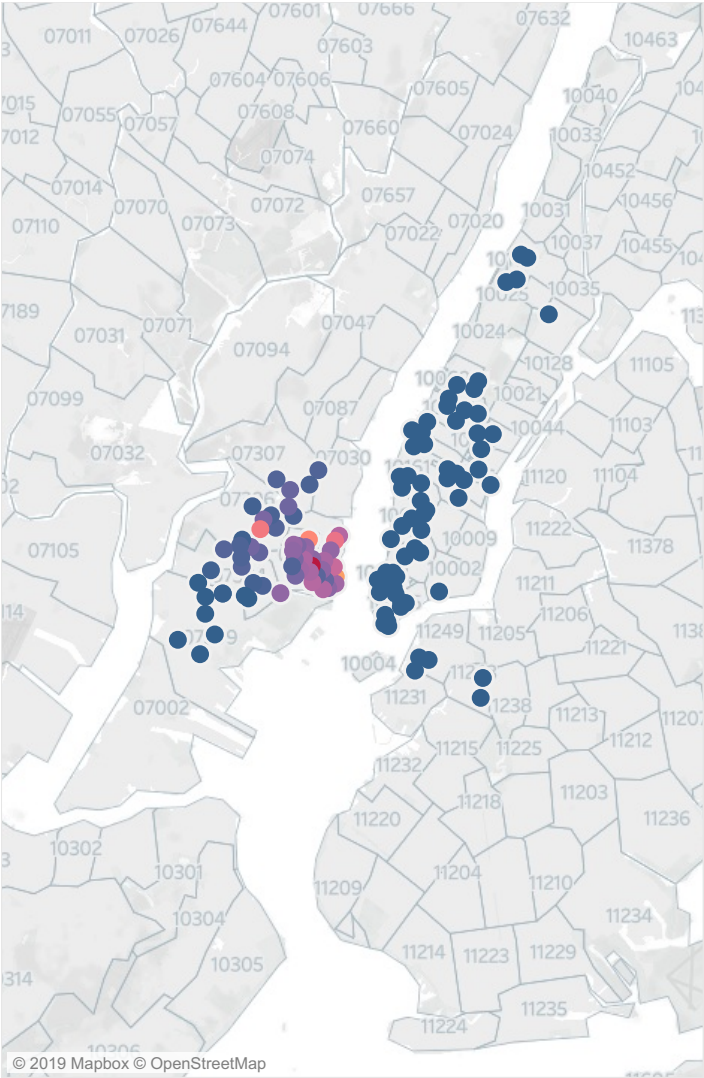
The Popular Ending Stations



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The top 10 start and end stations. Th..	The Gender of the Rider distributon and the amount of Female..	The bike with the highest Tripduring are most likely due for re..	The utilization variability by bike ID	The popular start stations and end stations	All stations (start stations and end stations) popularity c..	Customers' age and subscribers'age
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All stations(Start Stations and End Stations)
Popularity Change over 12 Months



Month of Time

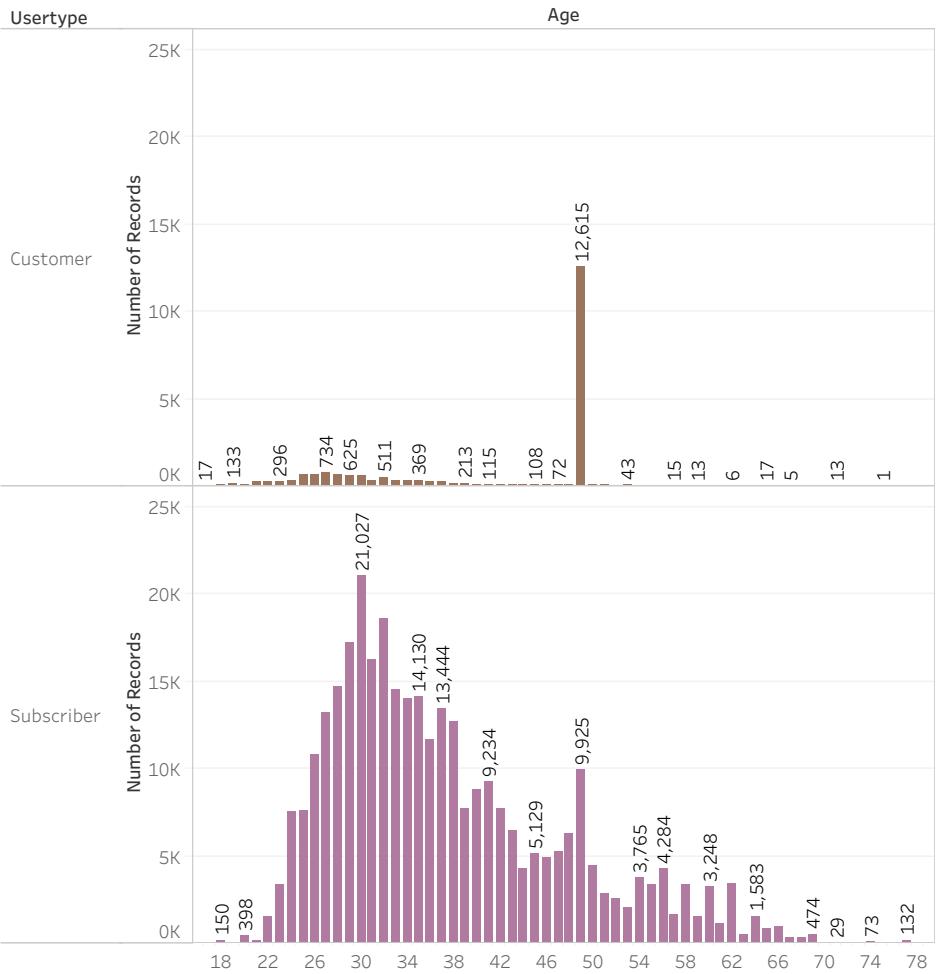
- ☒ January
- ☒ February
- ☒ March
- ☒ April
- ☒ May
- ☒ June
- ☒ July
- ☒ August
- ☒ September
- ☒ October
- ☒ November
- ☒ December

Count of Number of Reco..
1 91,554

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The top 10 start and end stations. Th..	The Gender of the Rider distributon and the amount of Female..	The bike with the highest Tripduring are most likely due for re..	The utilization variability by bike ID	The popular start stations and end stations	All stations (start stations and end stations) popularity c..	Customers' age and subscribers'age
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Customers' Age vs. Subscribers' Age



For subscribers, most people's age are between 27- 35, bur for 22167 rider customers, there are 12615 people are 49 years old.