

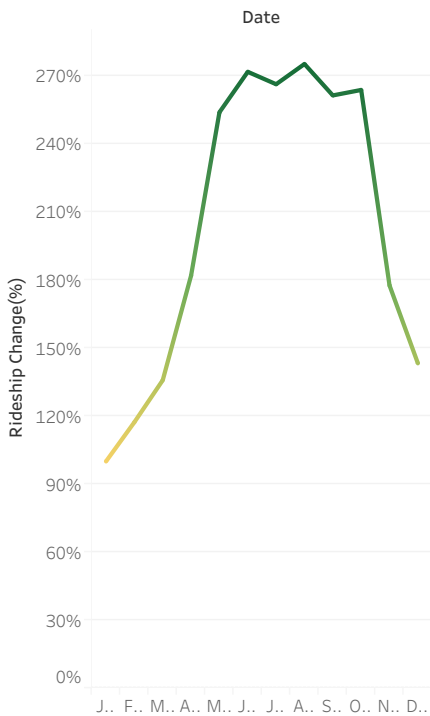
Story 1

Rideship Change over Month(2018)	Peak Hours during Winter Months or Summer Months	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 variabllity by bike ID	The popular start stations and end stat..
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Total Recorded Citi Bike Trips in New York City in 2018: 17,593,918

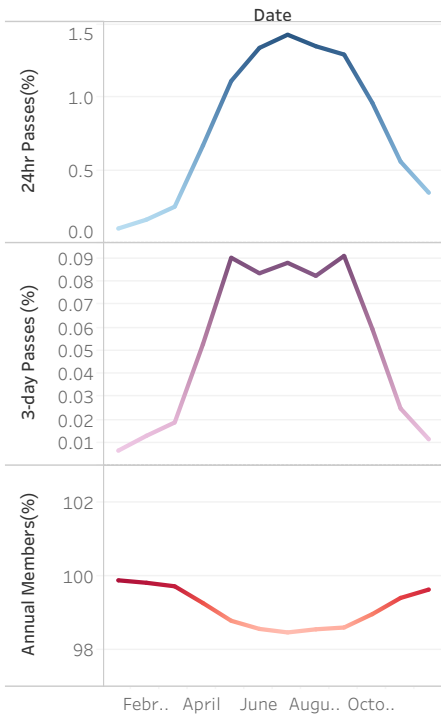
Rideship Growth over 12 Months(%)

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

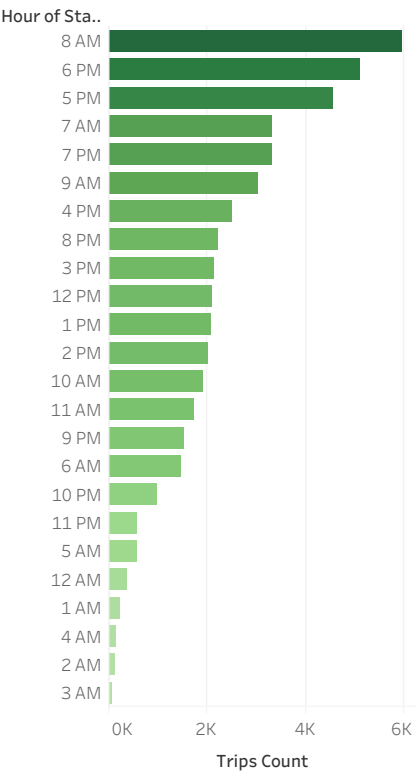
Among all the bike rider customers, the proportion of annual subscribers is from 98.5%-99.89%, 24 hours passes purchased customers is lower than 1.5%, 3-day passes customers lower than 0.1%



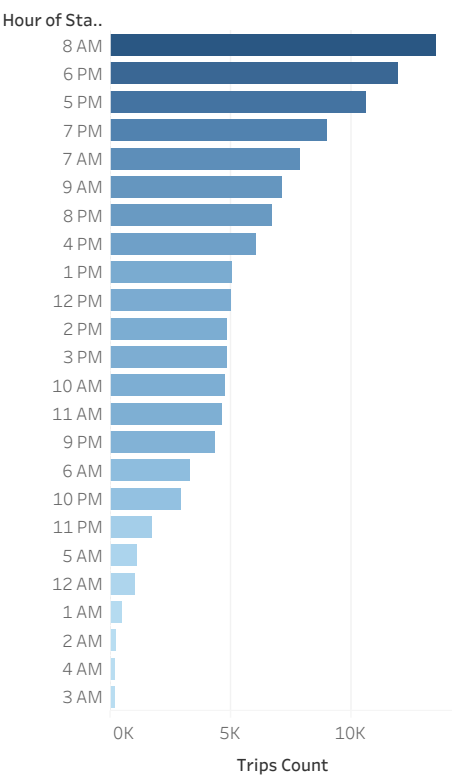
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Peak Hours during Winter Months(Dec-Feb)



Peak Hours during Summer Months(Jun-Aug)

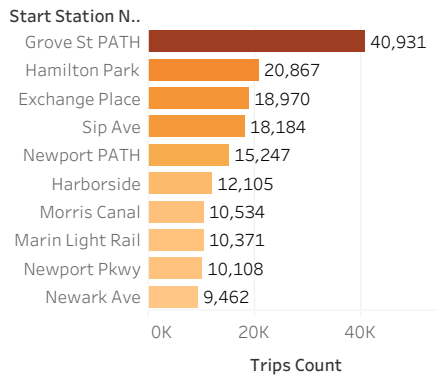


8AM are the busiest hour for both winter months and summer months, followed by 6pm and 5 pm.

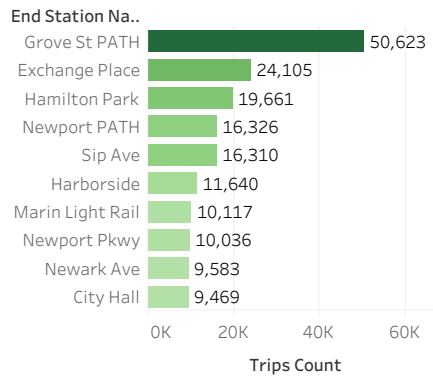
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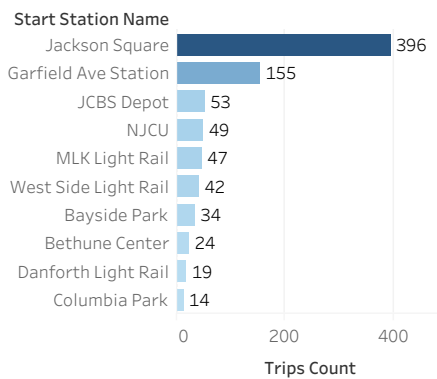
Top 10 Start Stations



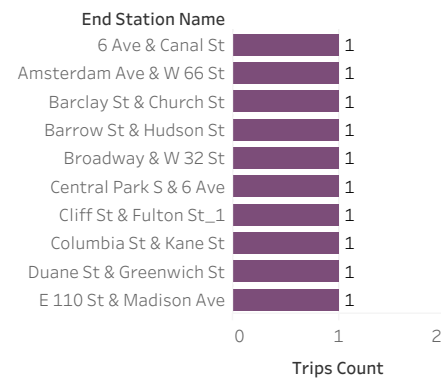
Top 10 Ending Stations



Bottom 10 Start Stations



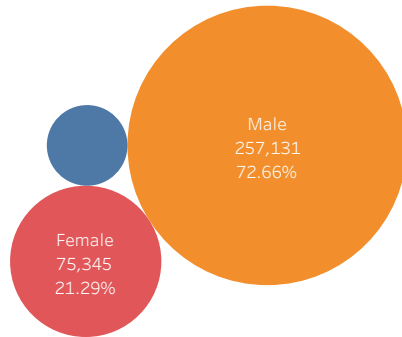
Bottom 10 Ending Stations



Story 1

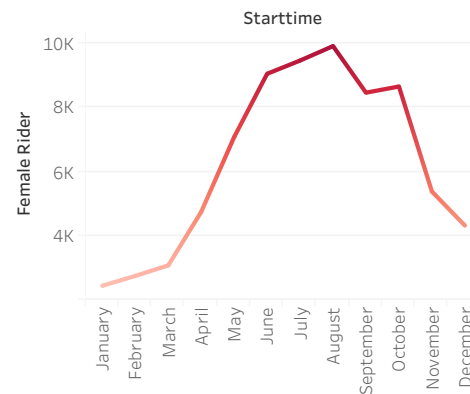
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Gender Distribution



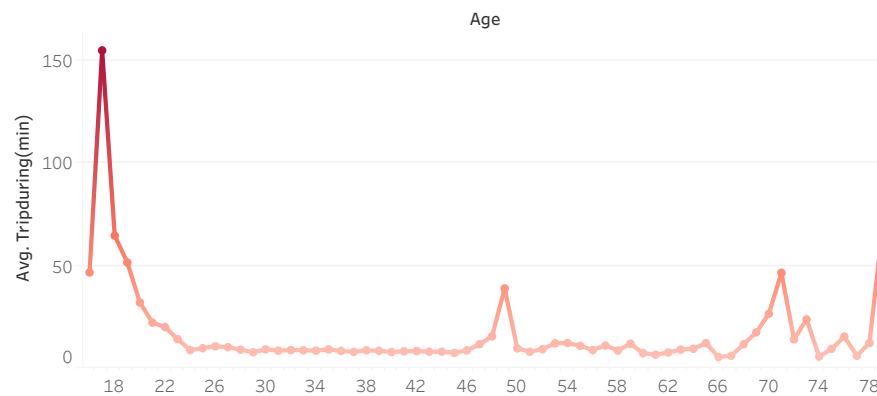
Female Rideship Change over Months

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)

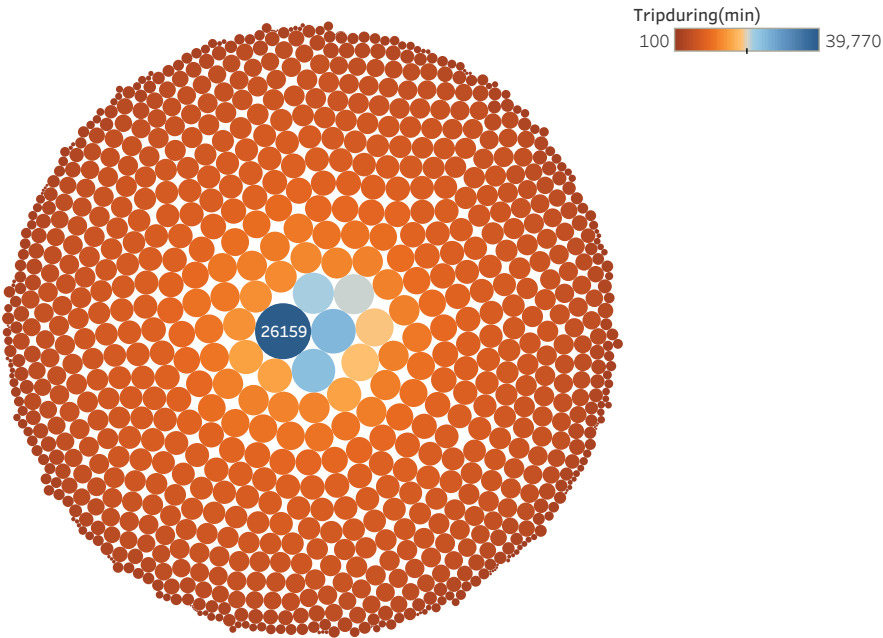
In the dataset, There are 130 riders' age greater than 100, 63 riders' age greater than 87. The information might be not be trustworthy, I excluded these data while analyzing. The customers at age 19 got the highest average tripduring 154 minutes.



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The Trips' Average Distance: 1.989 miles

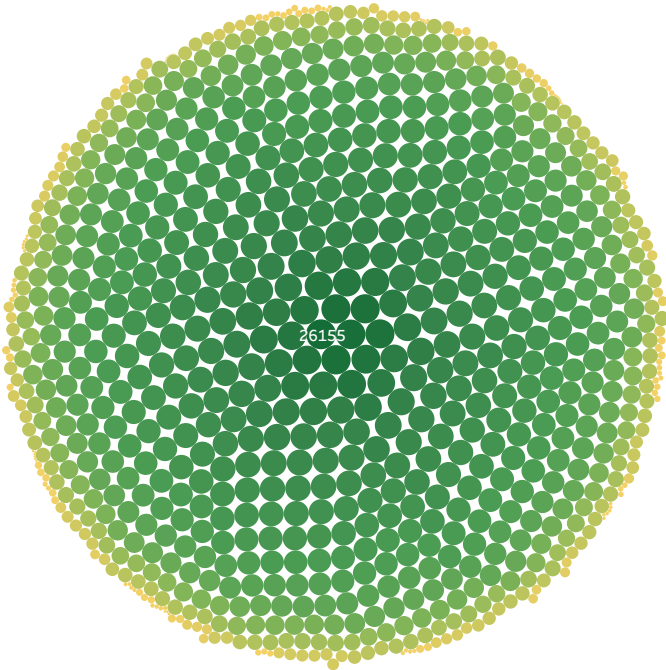


Bikes with the Highest tripduring are Most Likely due for Repair or Inspection. The top 3 bikes likely due for repair are 26159, 26262, 29438 ,26210, 29647.

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The Utilization Variability by Bike ID.



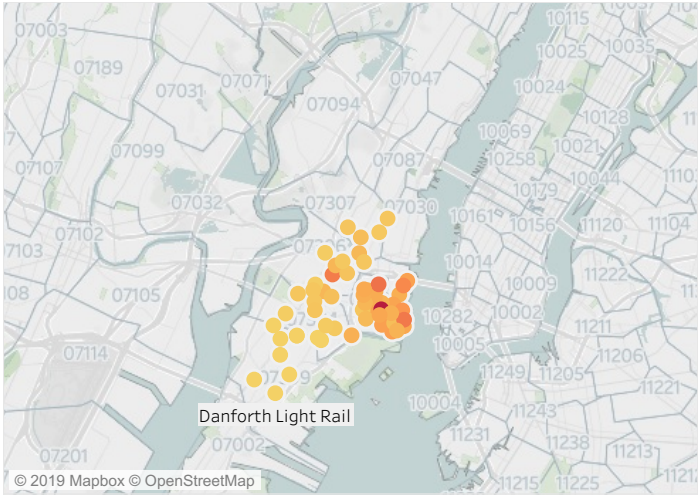
The bikes are rided by customers from 50 times to 873 times. The top 5 most often rided bike ID are 26155, 26288, 29586, 29602, 29635.

Number of Records
50 873

Story 1

The Gender of the Rider distribution and the amount ..	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..	The peak hours of winter months and summer months for c..	Customers' age and subscribers'age
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The Popular Start Stations



Count of Number of R..

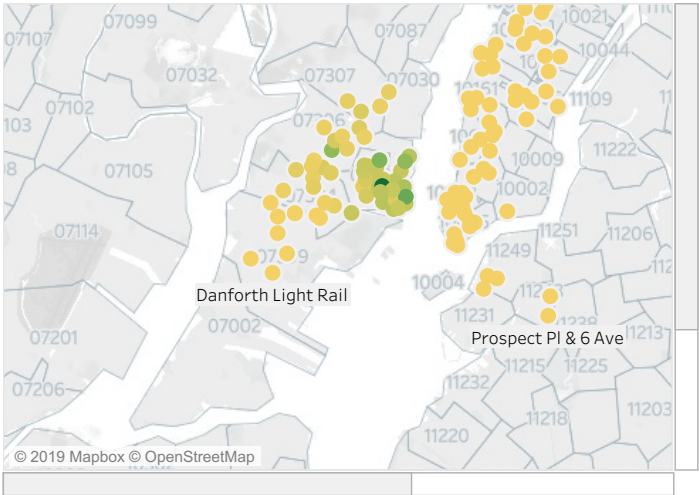


Count of End Station ..



From the locations of start stations and end stations. We can see that more and more people choose to live in Jersey City and work in Manhathan.

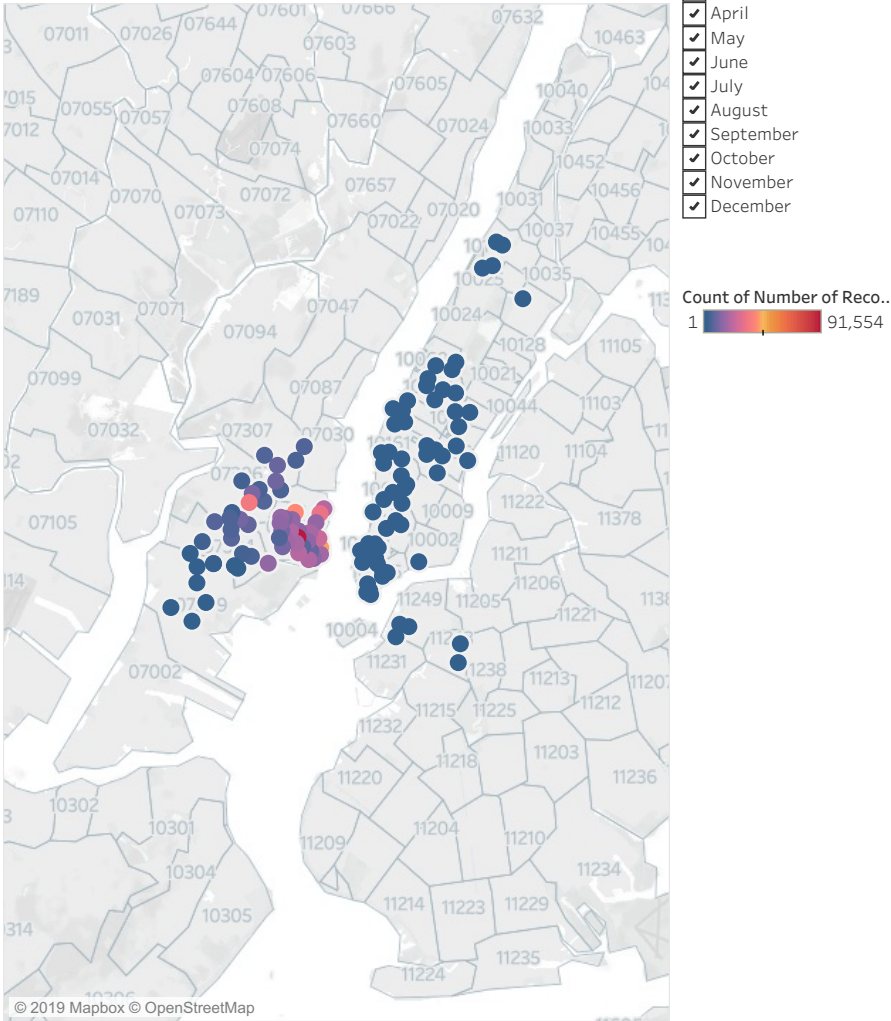
The Popular Ending Stations



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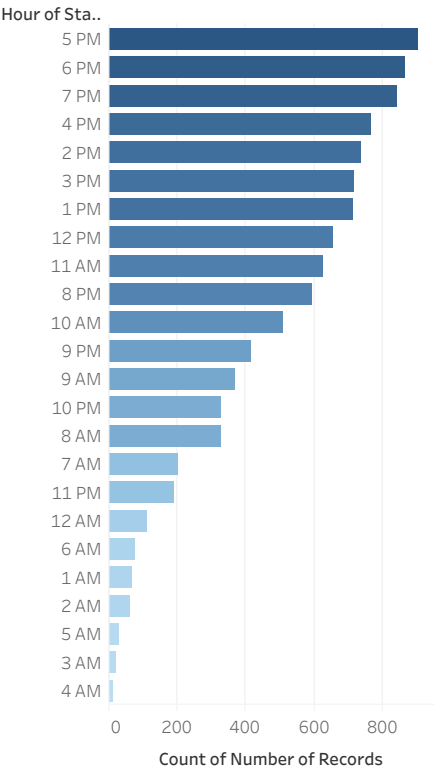
All stations(Start Stations and End Stations)
Popularity Change over 12 Months



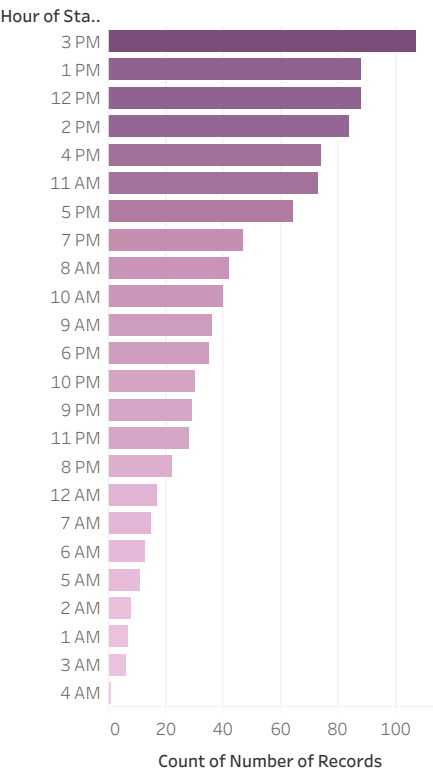
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The Peak Hours of Summer Months(Jun-Aug) for Customers



The Peak Hours of Winter Months(Dec-Feb) for Customers

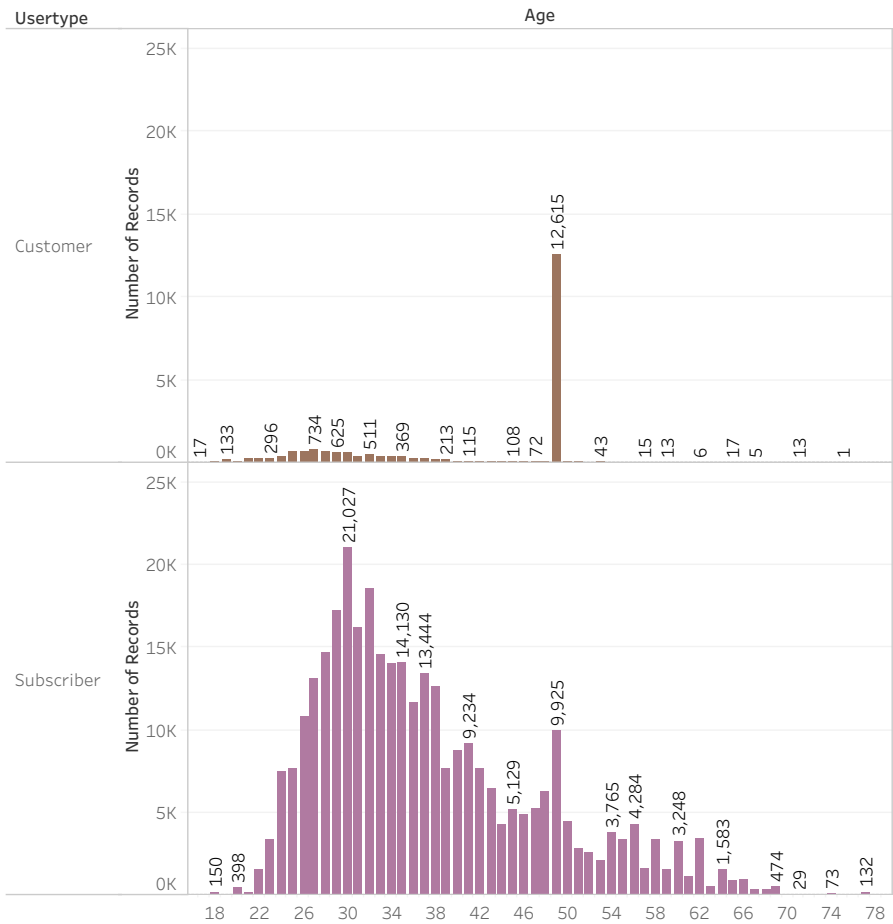


For the customer rider , the peak hours is 5pm(summer months) or 3pm(winter months) not 8am. It might be because that the custmers use bikes for traveling not for working.

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Customers' Age vs. Subscribers' Age



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