2015 Citibike Analysis

2015 Citi Bike Trip Analysis

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2015 Citibike Analysis

Total trips recorded in 2015:
9,937,981 trips

Number of Trips per Month
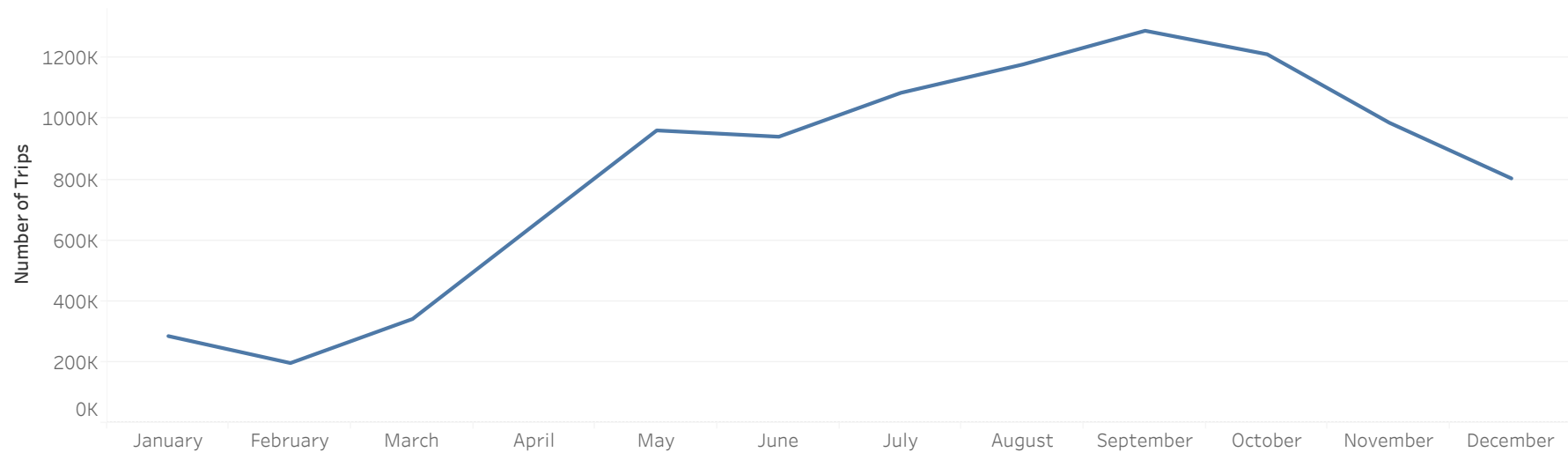
The trend of count of Number of Records for months in 2015. The view is filtered on Month, which excludes Null.
More trips are taken in summer months than winter months. September has the record for the highest number of trips taken in a month.

2015 Citibike Analysis
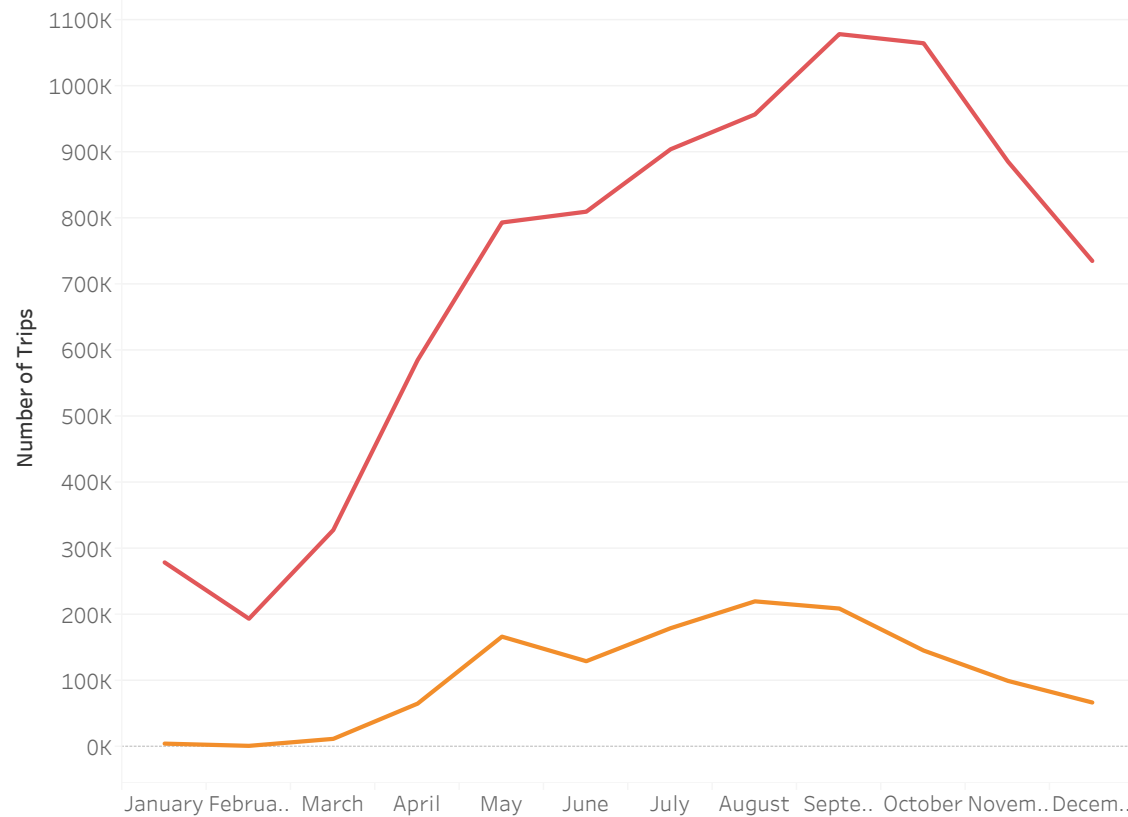
The trend of count of Number of Records for Months in 2015. Color shows details about Usertype. The red shows subscribers and orange shows one time customers The view is filtered on Months, which excludes Null.
There are more trips taken by subscribers than one time customers. Ridership for both subscribers and customers are the highest between May and October, with September recording the highest number of trips for subscribers and August recording the highest number of trips for customers.

Usertype
Customer
Subscriber

2015 Citibike Analysis

Average Number of Trips per Hour by Usertype
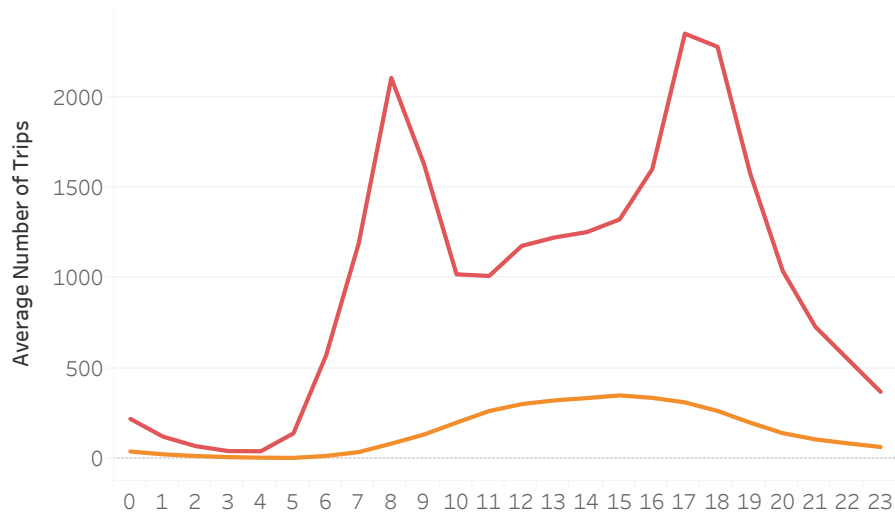
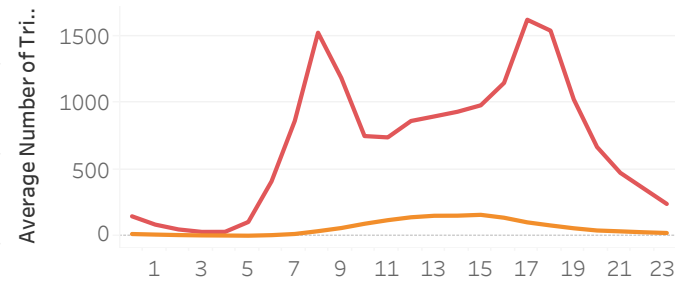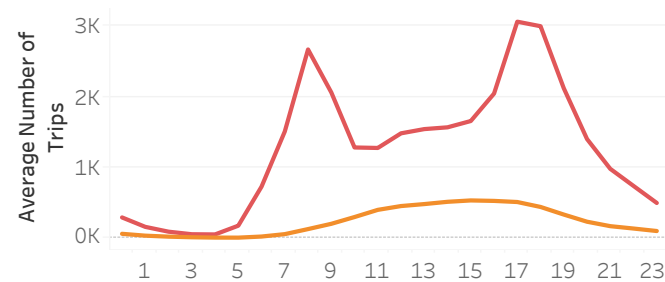The trend of average number of trips that occured each hour in 2015. Color shows details about Usertype. The red is subscribers and orange is one time customers. The Starttime Hour filter excludes Null.
8am is the most popular time in the morning and 5pm is the most popular time at night for subscribers, while 3pm is the most popular time for one time customers. Subscribers are most likely local commuters while one time customers are most likely tourists.

Usertype
- Customer (orange)
- Subscriber (red)

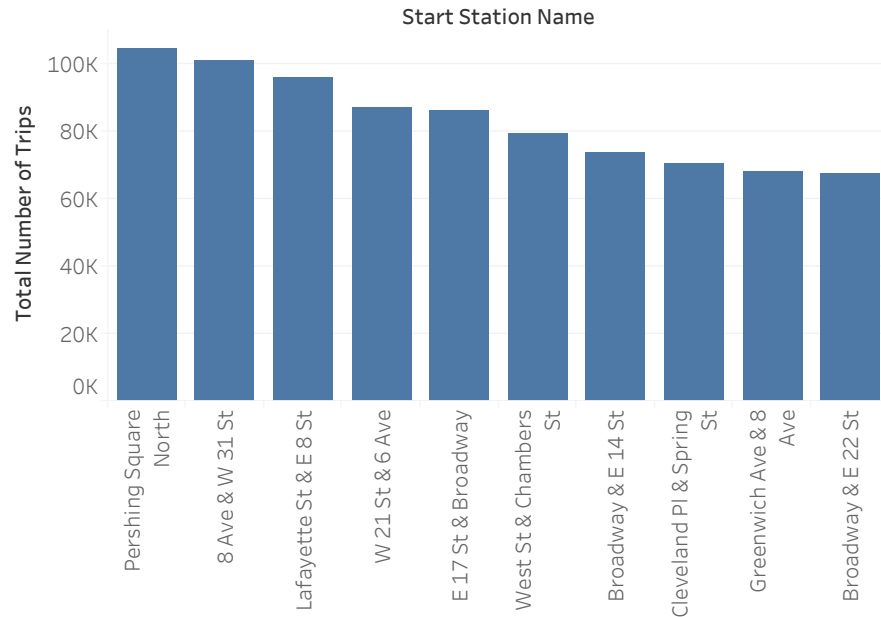## Average Number of Trips per Hour by Usertype in Winter

Average Number of Trips per Hour by Usertype in Summer

Top is the trend of average number of trips that occured each hour in the winter months of 2015 (January, February, March, April, November, December), and bottom is the trend of average number of trips that occured each hour in the summer months of 2015 (May-October).
8am is the most popular time in the morning and 5pm is the most popular time at night for both seasons.
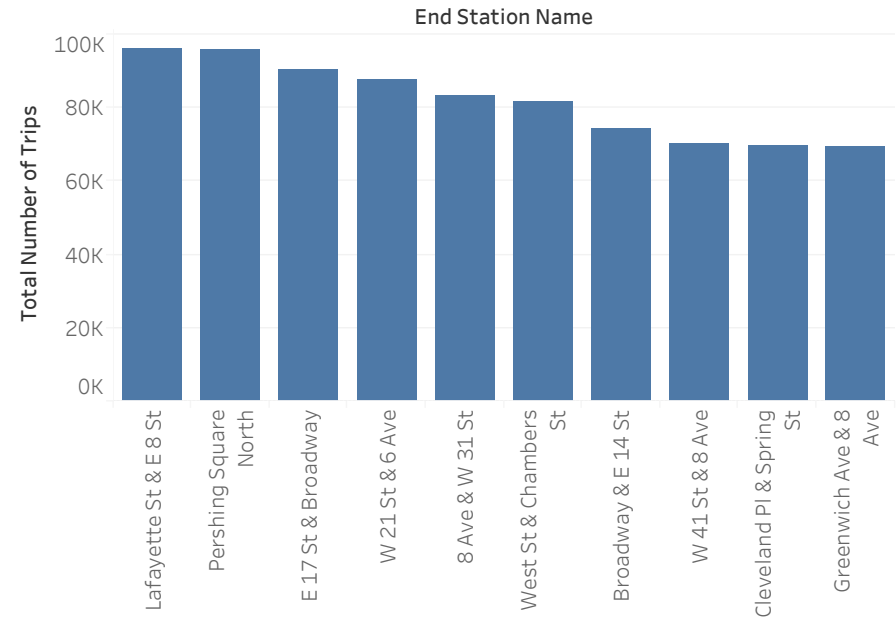
2015 Citibike Analysis

Top 10 Stations to Start a Journey

10 Stations with the Most Number of Trips to Start a Journey. The view is filtered on count of Number of Records, which includes values greater than or equal to 67,265.
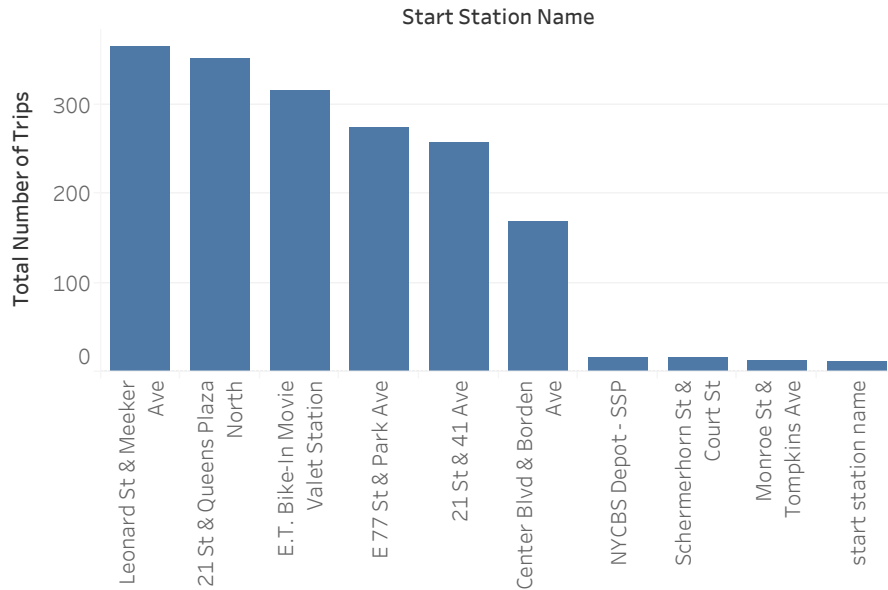
Top 10 Stations to End a Journey

10 Stations with the Most Number of Trips to End a Journey. The count of Number of Records filter includes values greater than or equal to 69,000.
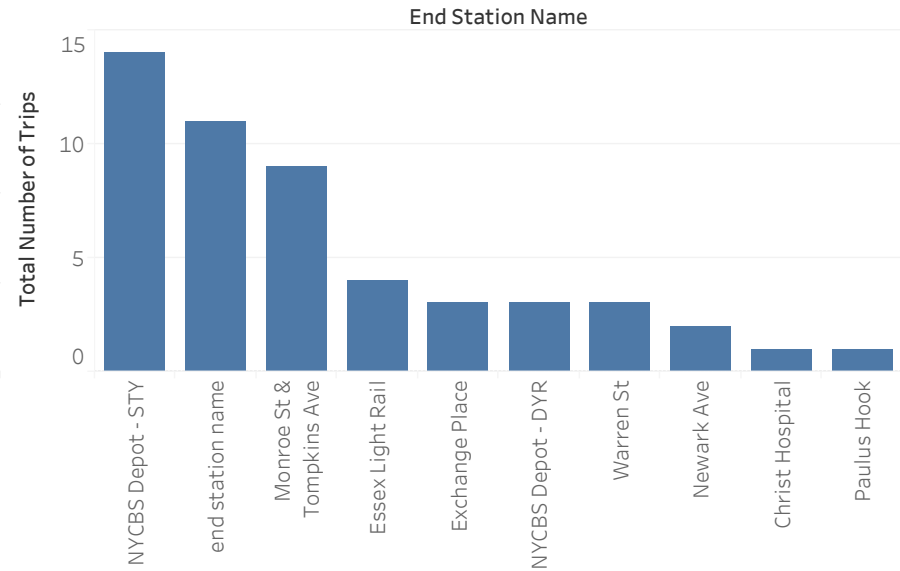
2015 Citibike Analysis

Bottom 10 Stations to Start a Journey

Start Station Name

Total Number of Trips

Start station names (left to right): Leonard St & Meeker Ave, 21 St & Queens Plaza North, E.T. Bike-In Movie Valet Station, E 77 St & Park Ave, 21 St & 41 Ave, Center Blvd & Borden Ave, NYCBS Depot - SSP, Schermerhorn St & Court St, Monroe St & Tompkins Ave, start station name

10 Stations with the Least Number of Trips to Start a Journey. The view is filtered on count of Number of Records and Start Station Name. The count of Number of Records filter includes values less than 400. The Start Station Name filter excludes Null.

Bottom 10 Stations to End a Journey

End Station Name

Total Number of Trips

End station names (left to right): NYCBS Depot - STY, end station name, Monroe St & Tompkins Ave, Essex Light Rail, Exchange Place, NYCBS Depot - DYR, Warren St, Newark Ave, Christ Hospital, Paulus Hook
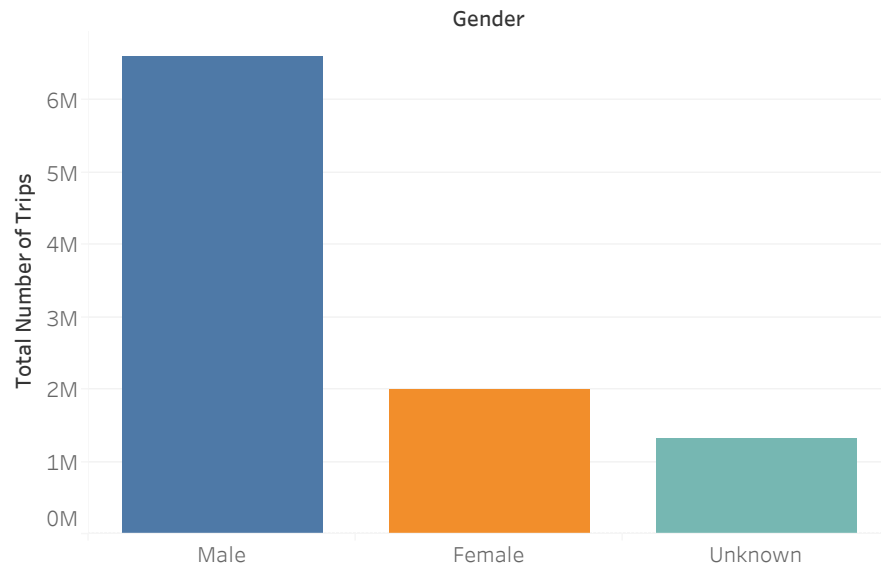
10 Stations with the Least Number of Trips to End a Journey. The view is filtered on count of Number of Records and End Station Name. The count of Number of Records filter includes values less than or equal to 15. The End Station Name filter excludes Null.

2015 Citibike Analysis

Total Number of Trips by Gender

Total Number of Trips for each Gender. The view is filtered on Gender, which keeps Unknown, Male and Female. Males and Females data all have Usertype of Subscriber and Unknown data has Usertype of one time Customer.
More males use Citibike than females.

Total Number of Trips each Monty by Gender

Gender
- Male
- Female
- Unknown
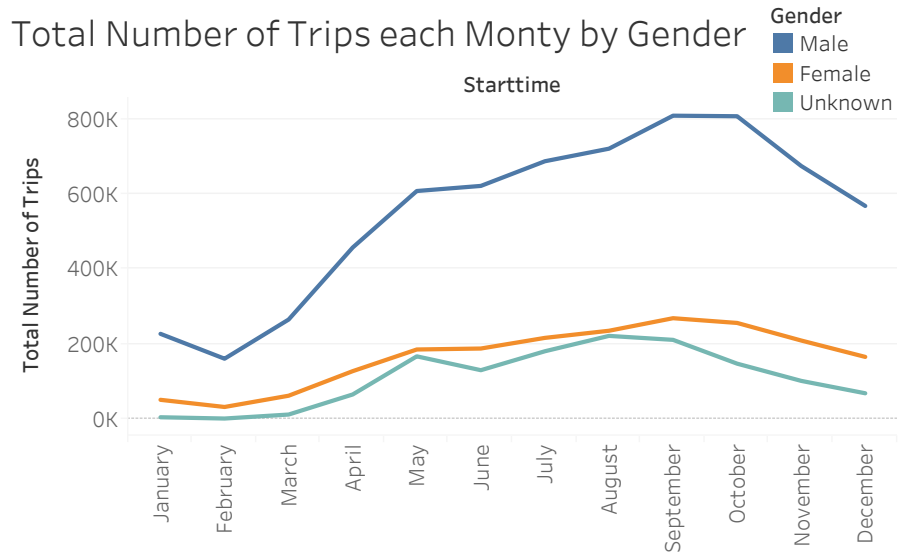
The trend of count of Number of Trips per Month. Color shows details about Gender. Males and Females data all have Usertype of Subscriber and Unknown data has Usertype of one time Customer.
More males use Citibike than females. Summer months have more number of trips than winter months. September had the most trips for males and females, while August had the most trips for unknown customers.

2015 Citibike Analysis
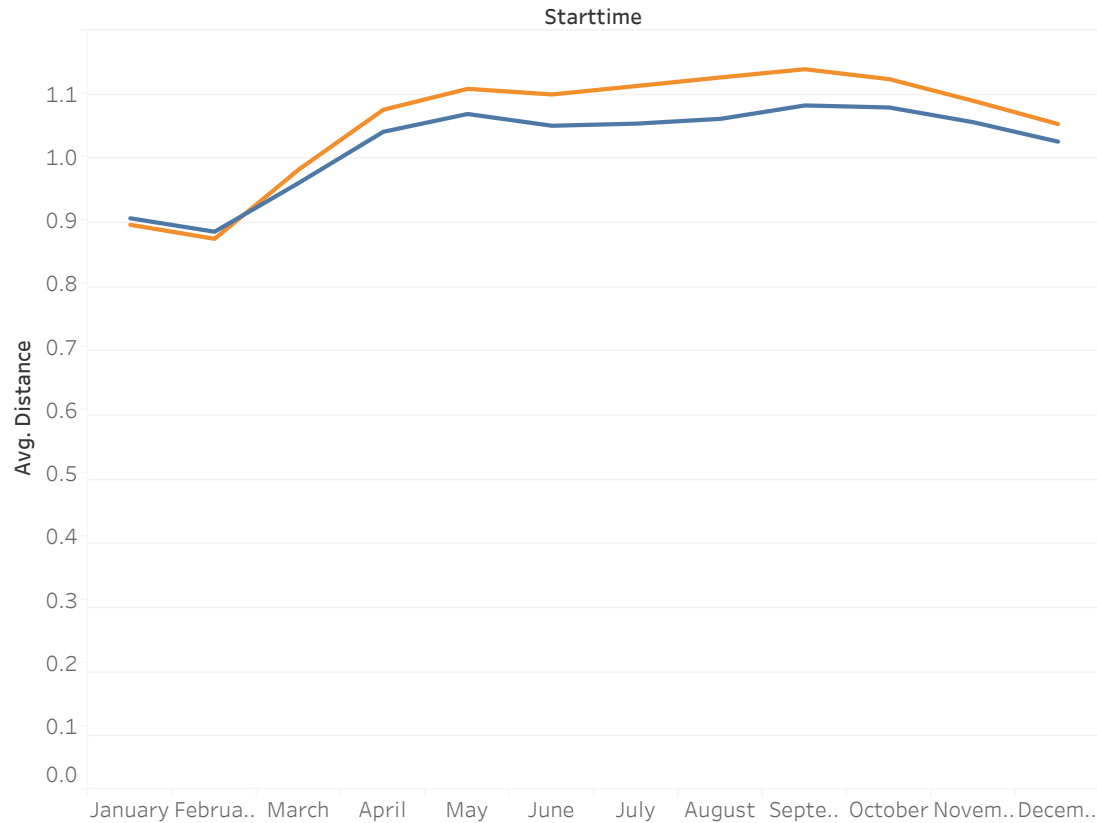
Starttime

The trend of average of Distance for Starttime Month. Color shows details about Gender. The view is filtered on Gender, which keeps Male and Female.

Females have higher average distance than males. Even though there are less females riding Citibike, the females that use Citibike go longer distances than males.
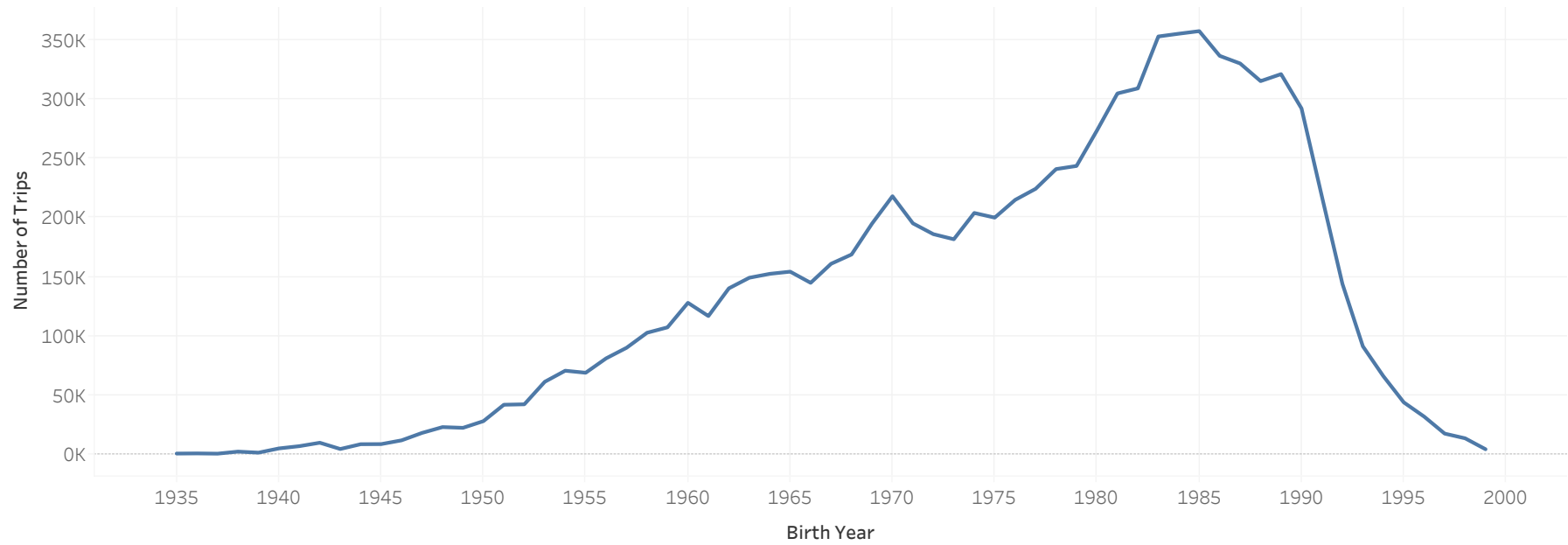
Gender
Male
Female

Avg. Distance

January February March April May June July August Septe.. October Novem.. Decem..

2015 Citibike Analysis

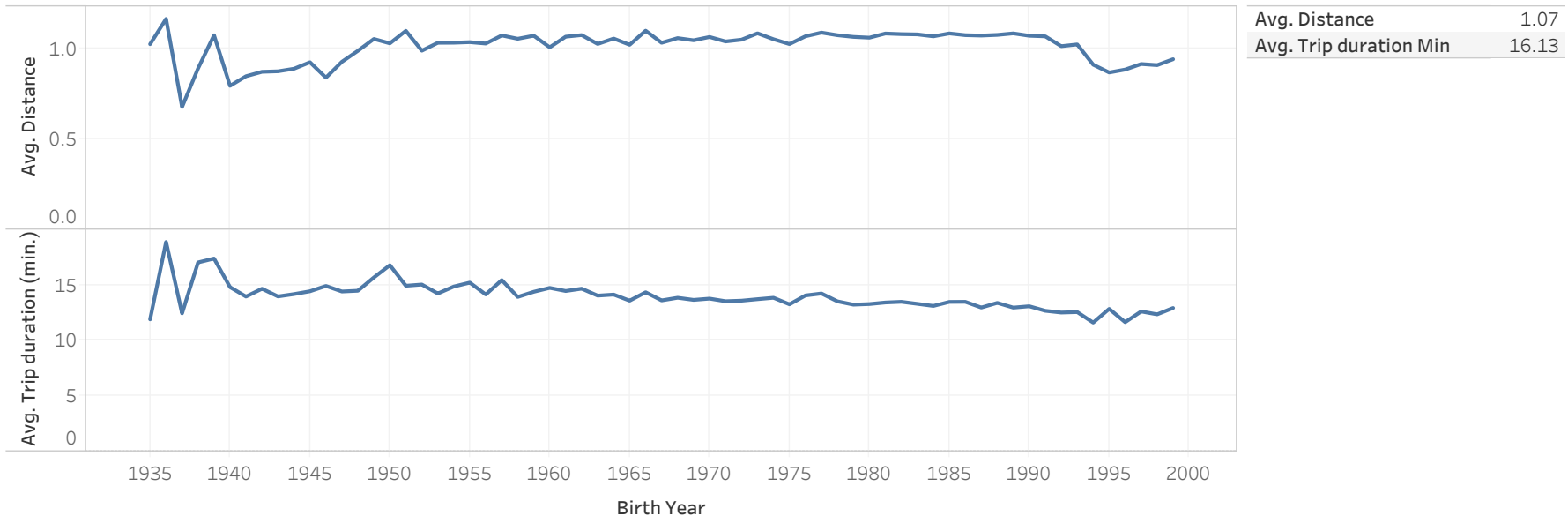## Total Number of Trips by Birth Year

The trend of Number of Trips for Birth Year. The view is filtered on Birth Year, which ranges from 1935 to 1999. People born in 1985 use Citi bikes the most.

2015 Citibike Analysis

Average Distance and Average Trip Duration by Birth Year

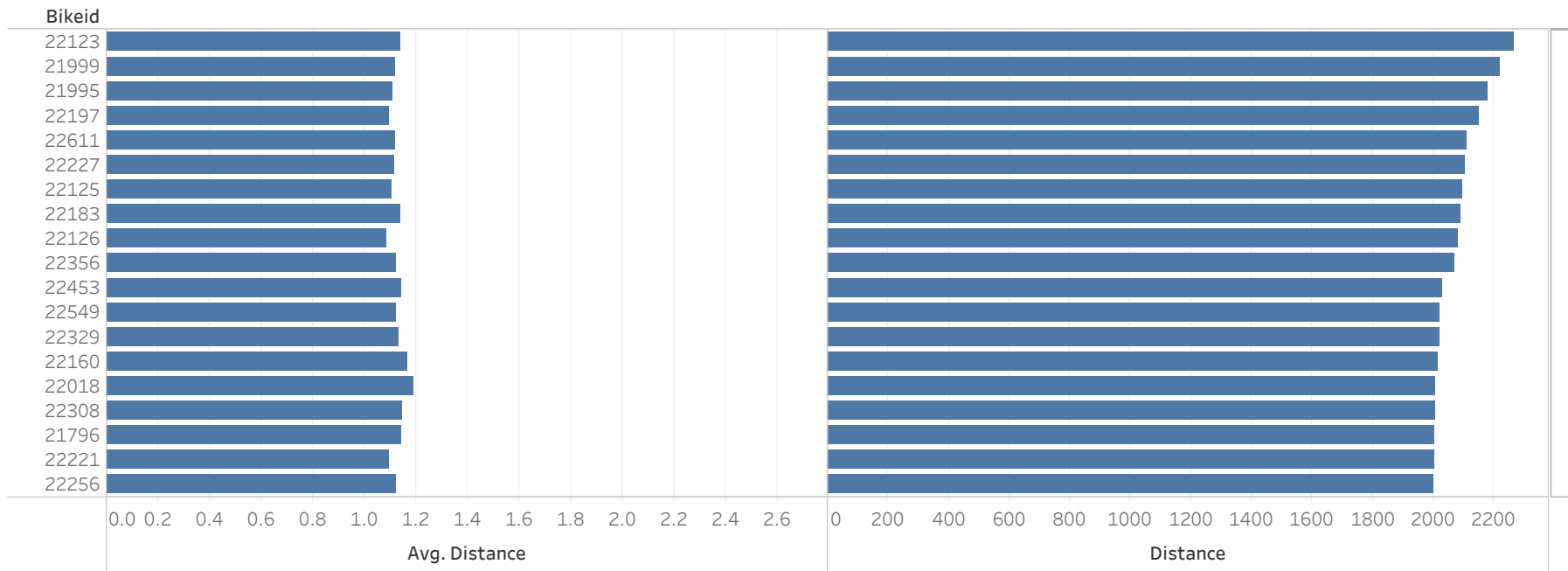|	
Avg. Distance	1.07
Avg. Trip duration Min	16.13

The trends of Average of Distance and Average of Trip Duration in Minutes for Birth Year. The view is filtered on Birth Year, which ranges from 1935 to 1999.

For all ages, the Average Distance is 1.07 miles and the Average Trip duration is 16.13 minutes.

2015 Citibike Analysis

Average Distance and Total Distance by Bike ID

Bikeid
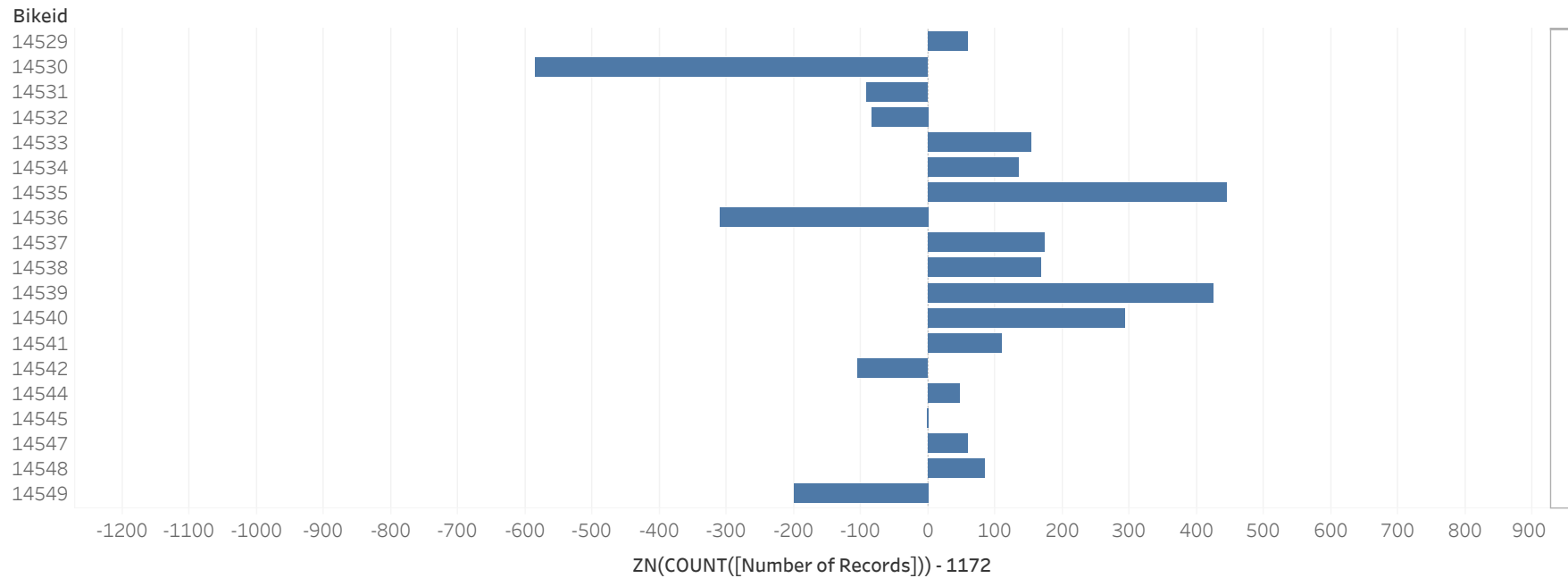

Avg. Distance   Distance

Average of Distance for each Bike. Bike 24735 covered the most average distance of 2.664 miles while Bike 22123 covered the most total distance of 2,269 miles.

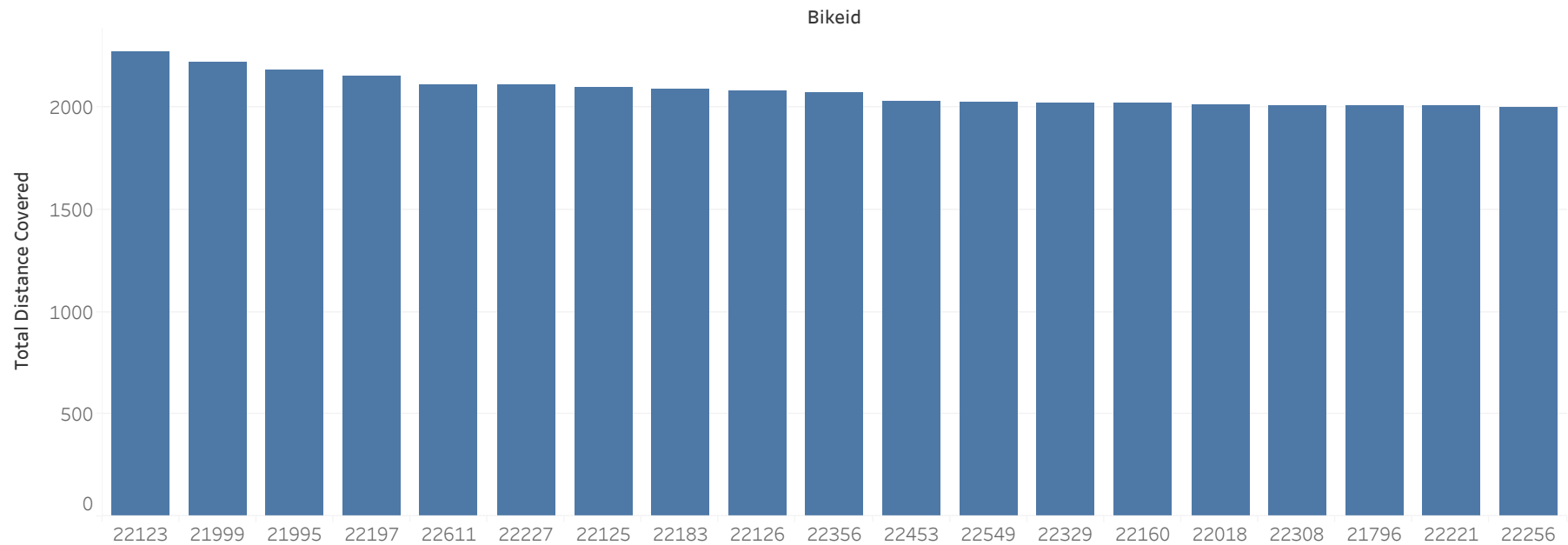# 2015 Citibike Analysis

Variability of Utilization by Bike ID

Variability of Utilization (ZN(COUNT([Number of Records])) - Average Count of Bike Used) for each Bikeid. The view is filtered on Bikeid, which excludes Null.

2015 Citibike Analysis

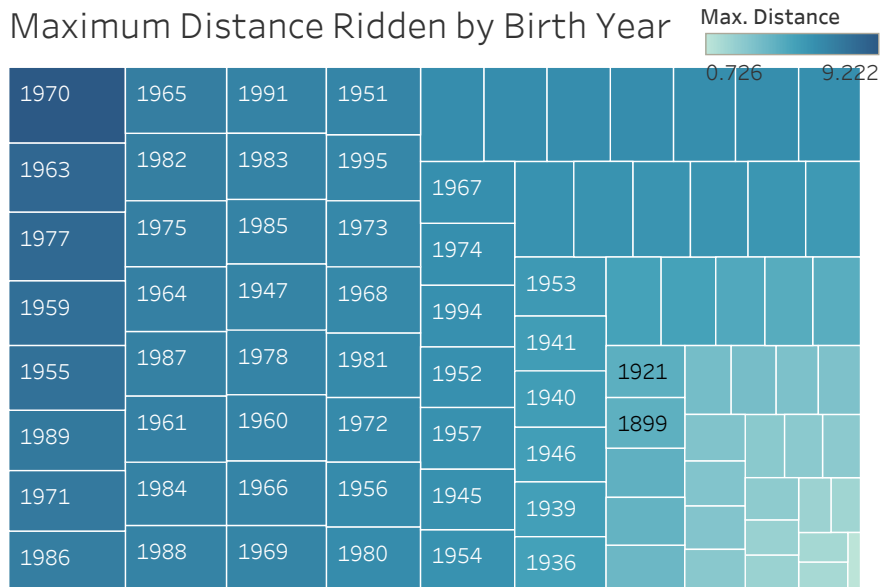## Bikes that Covered More than 2000 miles

Bikeid

Total Sum of Distance for each Bikeid. The view is filtered on sum of Distance, which includes values greater than or equal to 2,000.0.
These bikes have covered at least 2000 miles and will need to be inspected.

2015 Citibike Analysis

Maximum Distance Ridden by Birth Year

Max. Distance

0.726   9.222

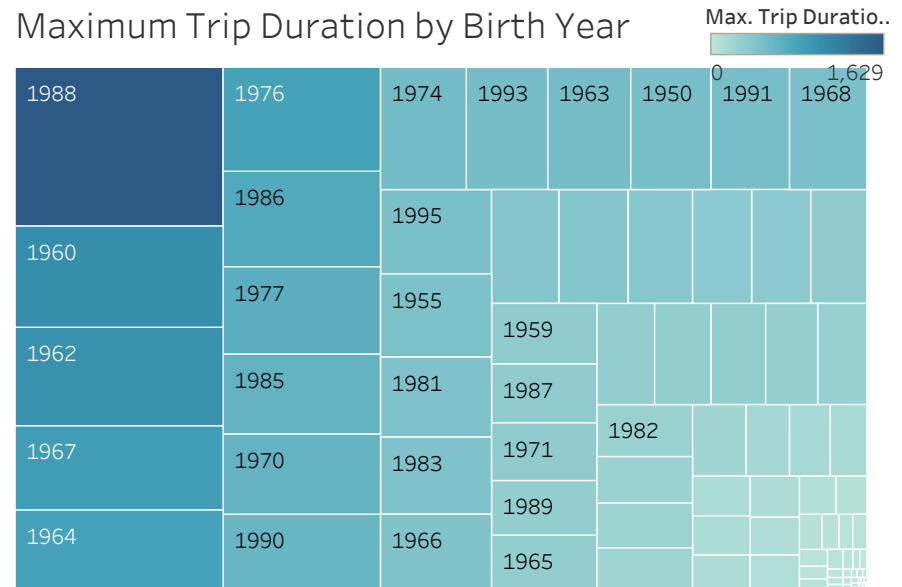| 1970 | 1965 | 1991 | 1951 | | | | |
1963	1982	1983	1995	1967			
1977	1975	1985	1973	1974			
1959	1964	1947	1968	1994	1953		
1955	1987	1978	1981	1952	1941	1921	
1989	1961	1960	1972	1957	1940	1899	
1971	1984	1966	1956	1945	1946		
1986	1988	1969	1980	1954	1939		
					1936		

Birth Year. Color shows maximum of Distance. Size shows maximum of Distance. The marks are labeled by Birth Year. The view is filtered on Birth Year, which keeps non-Null values only.
The maximum distance rode on Citibike was by a user born in 1970. The male user rode 9.22 miles.

Maximum Trip Duration by Birth Year

Max. Trip Duratio..

0   1,629

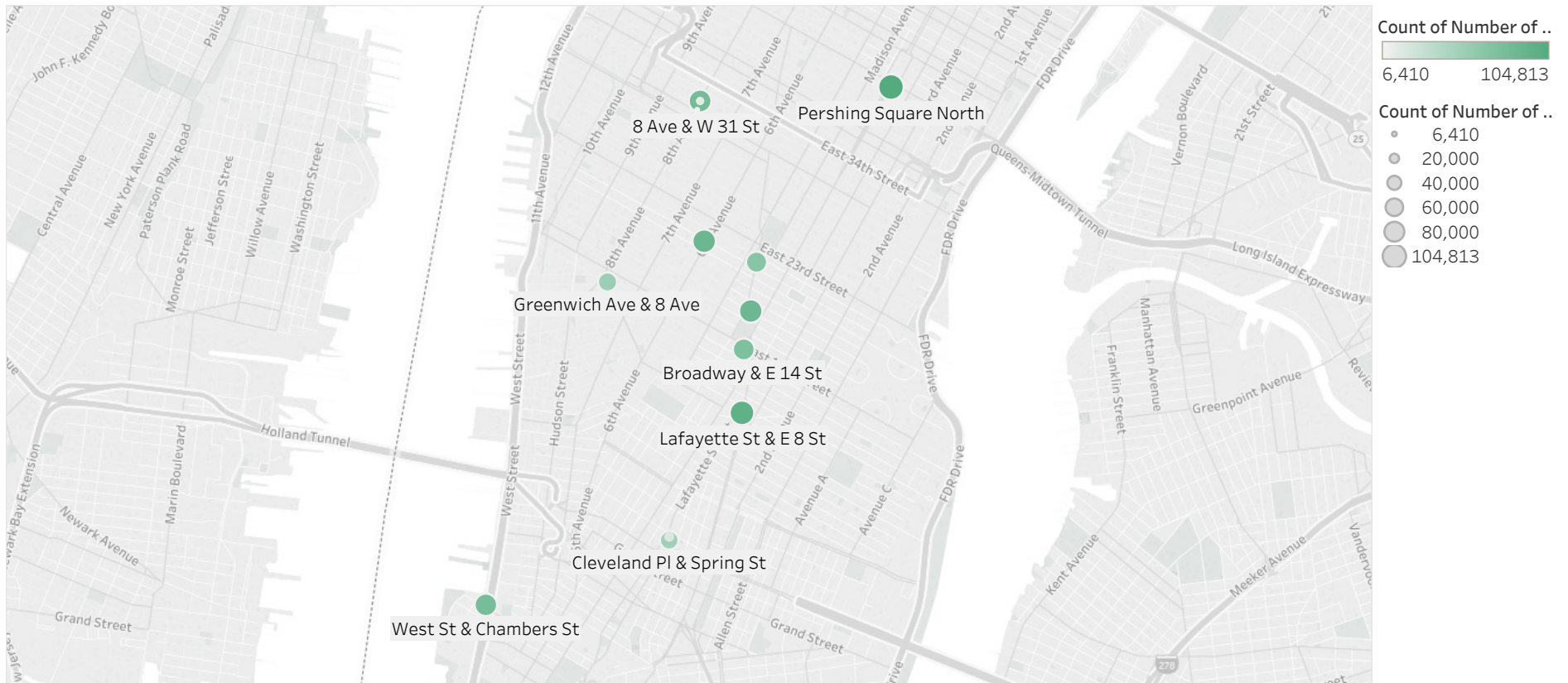| 1988 | 1976 | 1974 | 1993 | 1963 | 1950 | 1991 | 1968 |
	1986	1995					
1960	1977	1955					
1962	1985	1981	1959				
	1970	1983	1987	1971	1982		
1967	1990	1966	1989				
1964		1965					

Birth Year. Color shows maximum of Trip Duration Hour. Size shows maximum of Trip Duration Hour. The marks are labeled by Birth Year. The view is filtered on Birth Year, which keeps non-Null values only.
The maximum trip duration on Citibike was by a user born in 1988. The male user rented the bike for 1,629.07
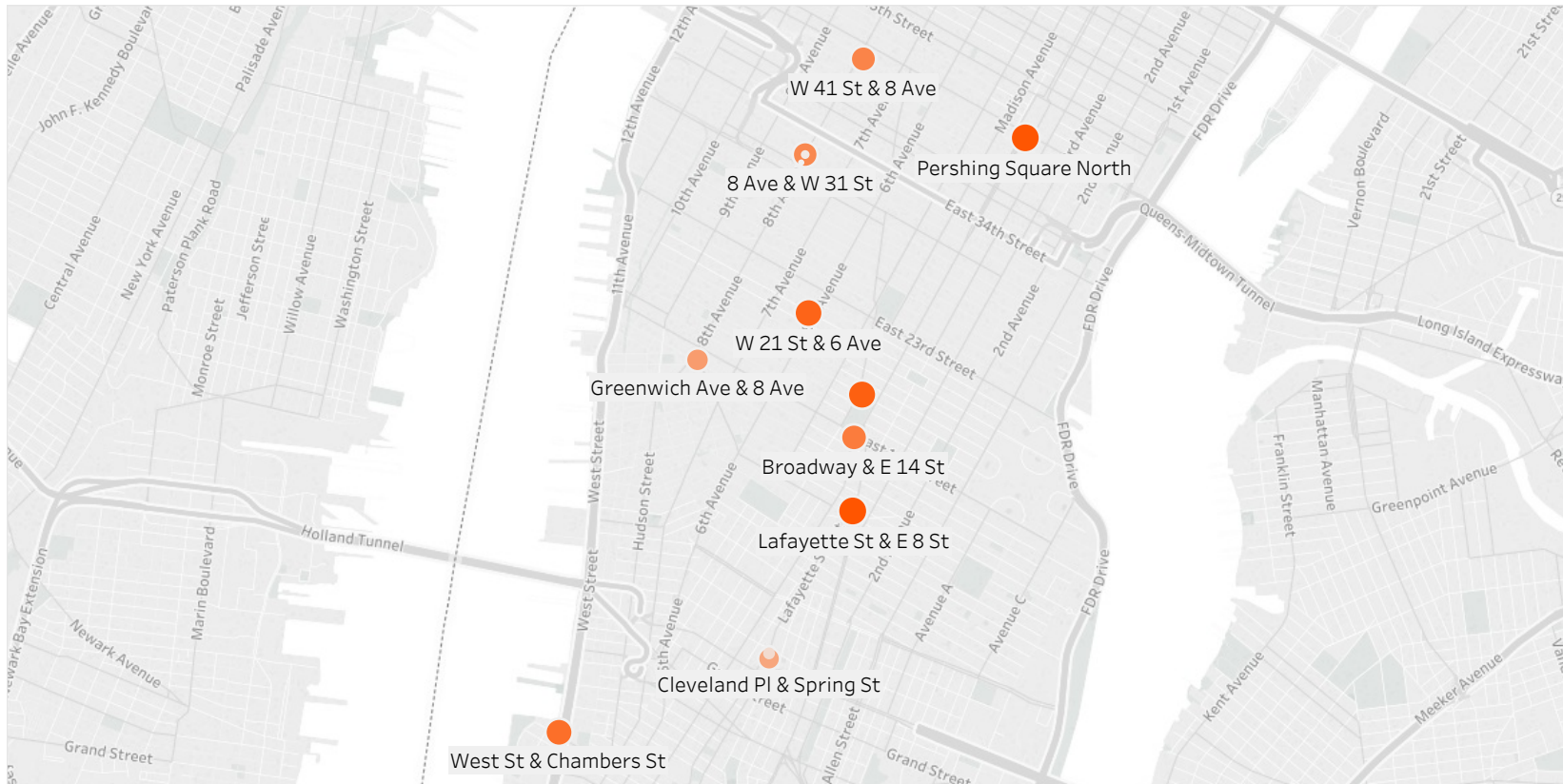
2015 Citibike Analysis

Count of Number of ..

6,410   104,813

Count of Number of ..

- 6,410
- 20,000
- 40,000
- 60,000
- 80,000
- 104,813

Pershing Square North

8 Ave & W 31 St

Greenwich Ave & 8 Ave

Broadway & E 14 St

Lafayette St & E 8 St

Cleveland Pl & Spring St

West St & Chambers St

2015 Citibike Analysis

Count of Number of ..

5,332   96,341

Count of Number of ..
- 5,332
- 20,000
- 40,000
- 60,000
- 80,000
- 96,341

Map labels:
- W 41 St & 8 Ave
- Pershing Square North
- 8 Ave & W 31 St
- W 21 St & 6 Ave
- Greenwich Ave & 8 Ave
- Broadway & E 14 St
- Lafayette St & E 8 St
- Cleveland Pl & Spring St
- West St & Chambers St

2015 Citibike Analysis
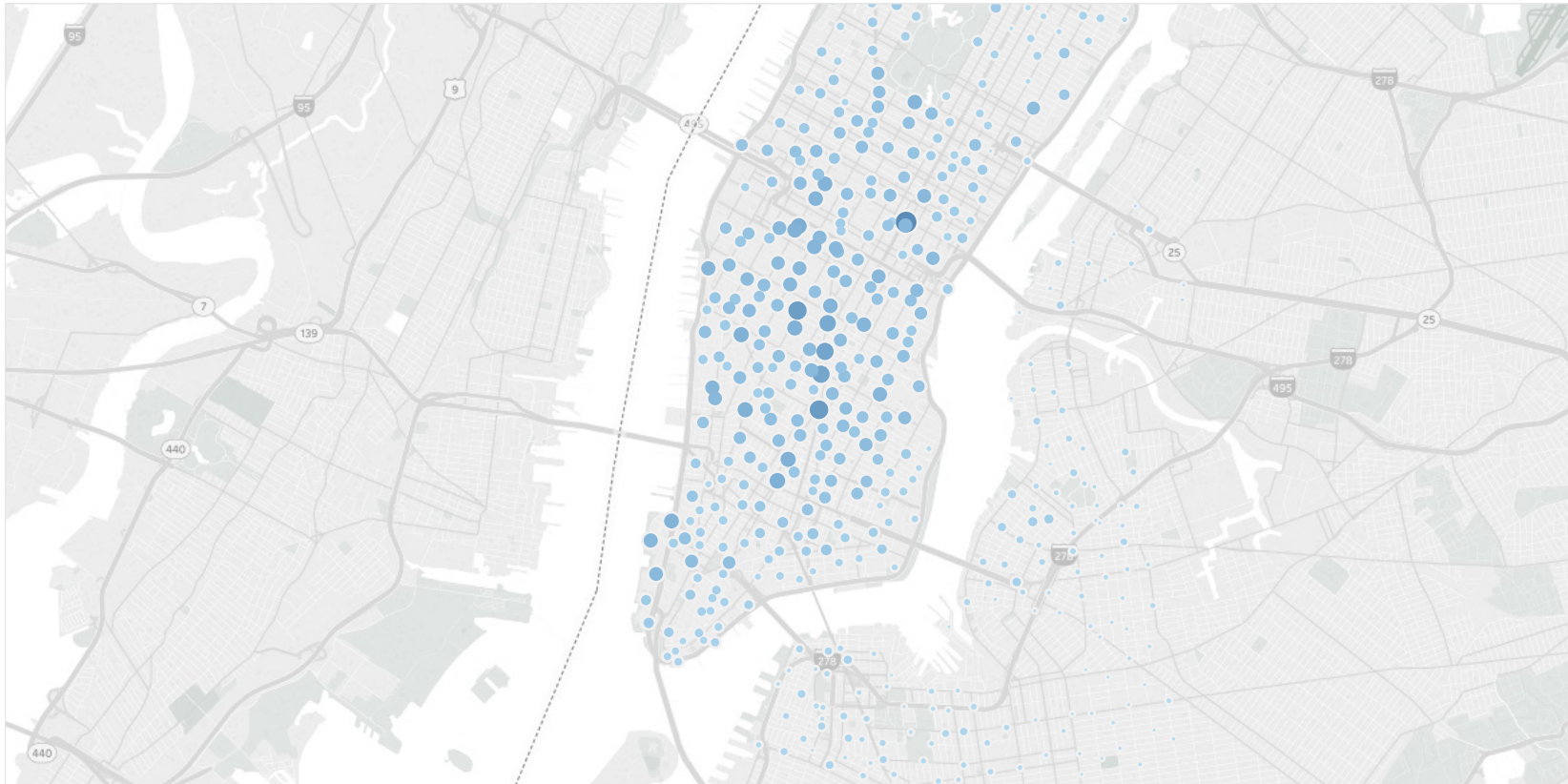
Count of Number of ..

- 1
- 5,000
- 10,000
- 14,923

Count of Number of ..

1 ▁▁▁▁ 14,923

Month of Starttime
December

☐ Show history