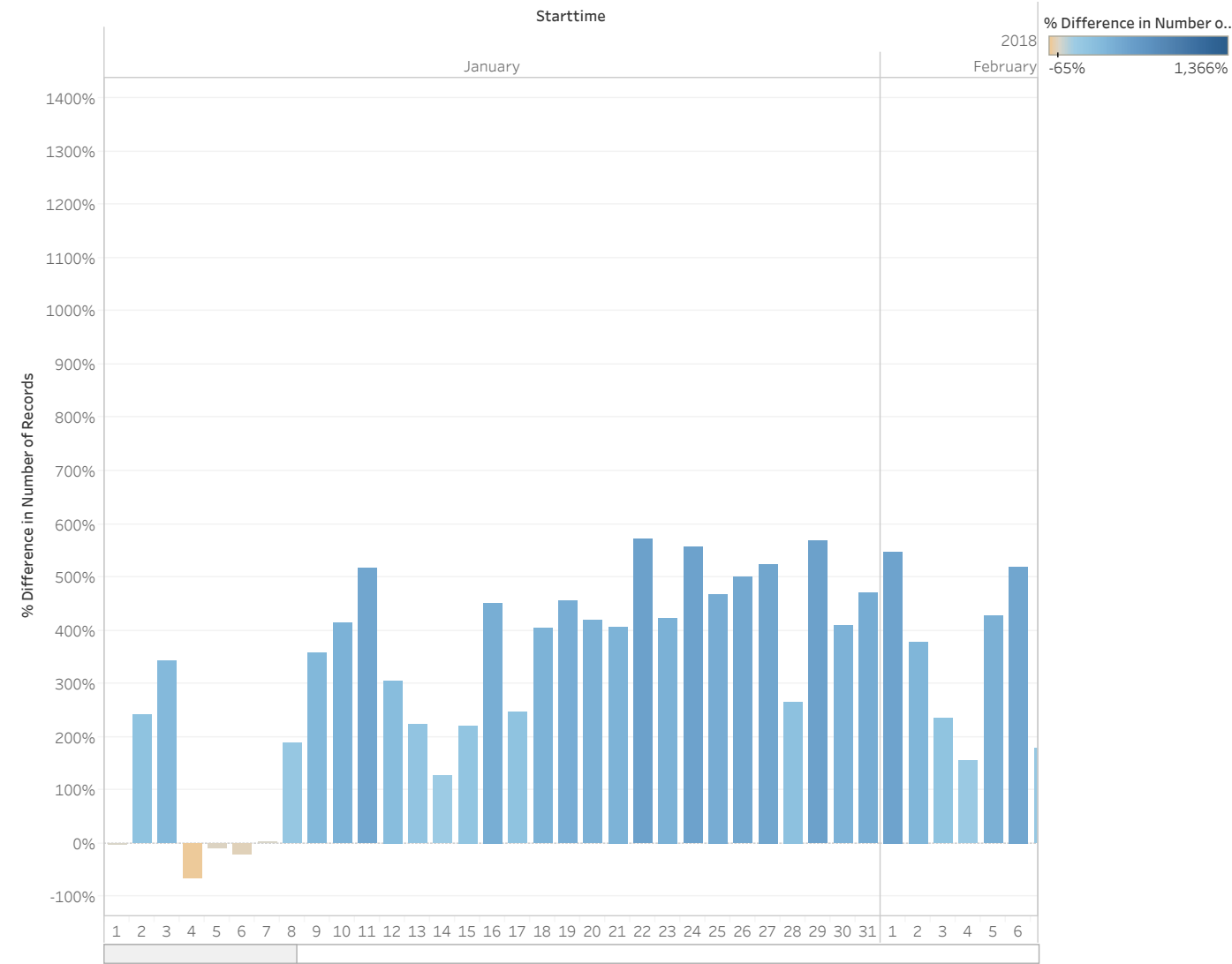# Citi Bike Trip Analysis Jan-June 2018

The Total Number of Trips in this data set was 7,624,136, which is the total number of Citi bike trips recorded from January through June of 2018 in NYC.

With this graph we can see how the percentage of total ridership has grown since the beginning of the data set (January 2018). From January to June the total ridership went up 895%

This stacked bar graph shows how the make up of annual pass holders (Subscriber) versus 24-hour or 3-day pass holders (Customers) varies over time. We can see that the Customers portion went up from just ..

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Starttime

2018

% Difference in Number o..

-65%   1,366%

January   February

% Difference in Number of Records

1400%

1300%

1200%

1100%

1000%

900%

800%

700%

600%

500%

400%

300%

200%

100%

0%

-100%

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31   1 2 3 4 5 6
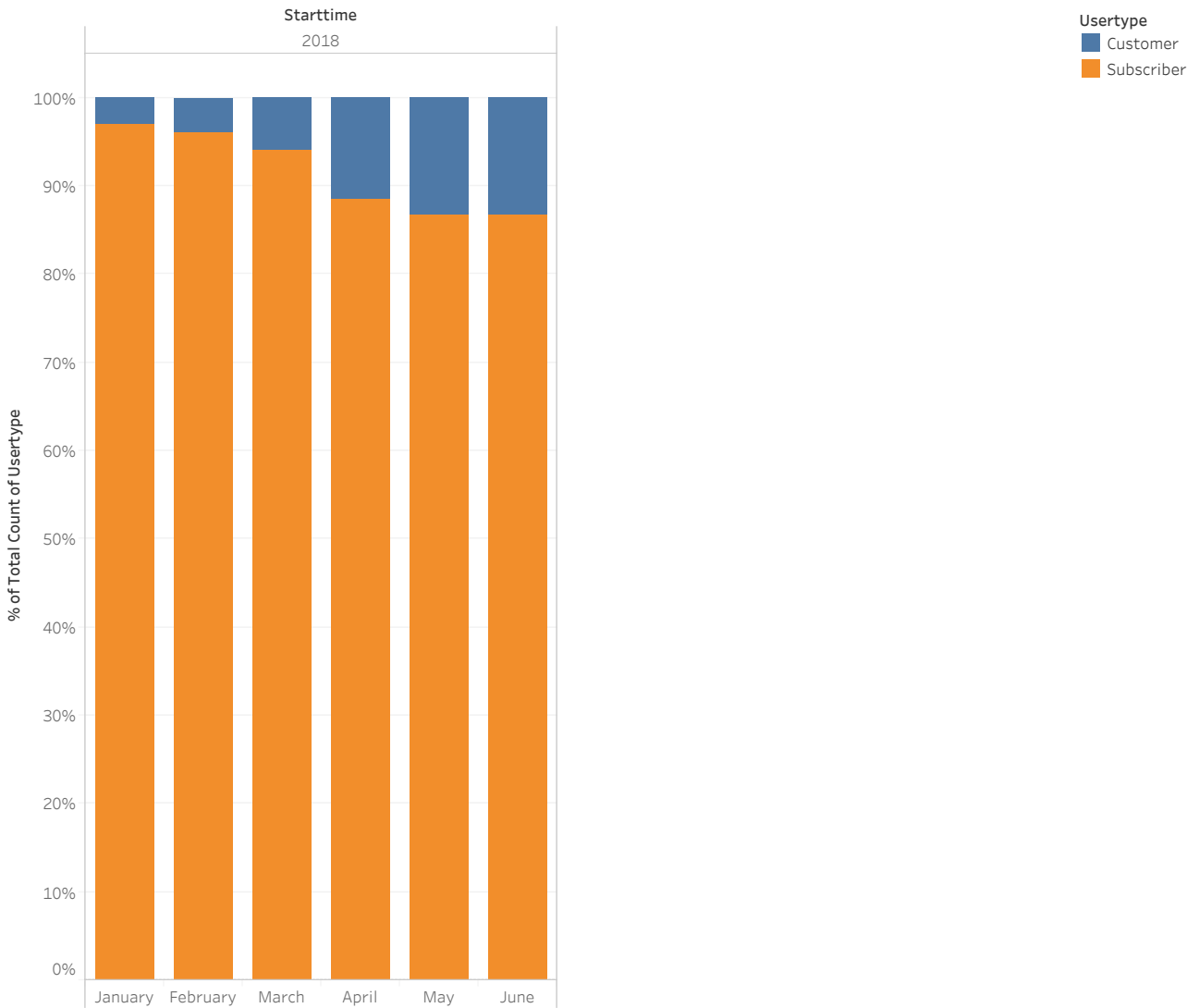
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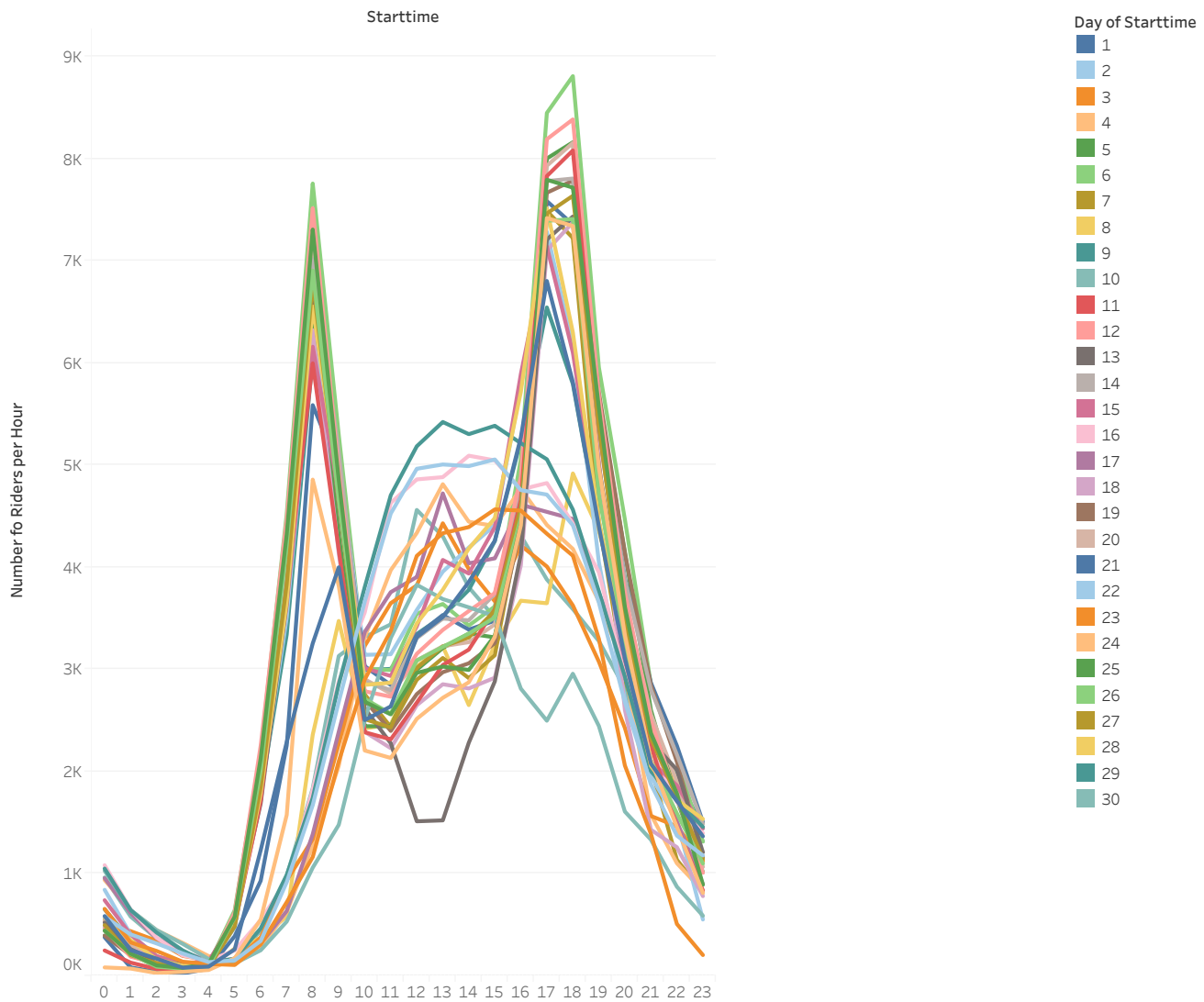
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Starttime

2018

Usertype
- Customer
- Subscriber

% of Total Count of Usertype

(Stacked bar chart showing months January through June 2018 on x-axis, 0% to 100% on y-axis)

Citi Bike Trip Analysis Jan-June 2018

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Starttime

Day of Starttime

Citi Bike Trip Analysis Jan-June 2018

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These tables show the top 10 and bottom start and end stations. These stations could be most used due to their proximity to busy locations or because the stations could just have the most bikes.

Starttime

Month of Starttime
- January
- February
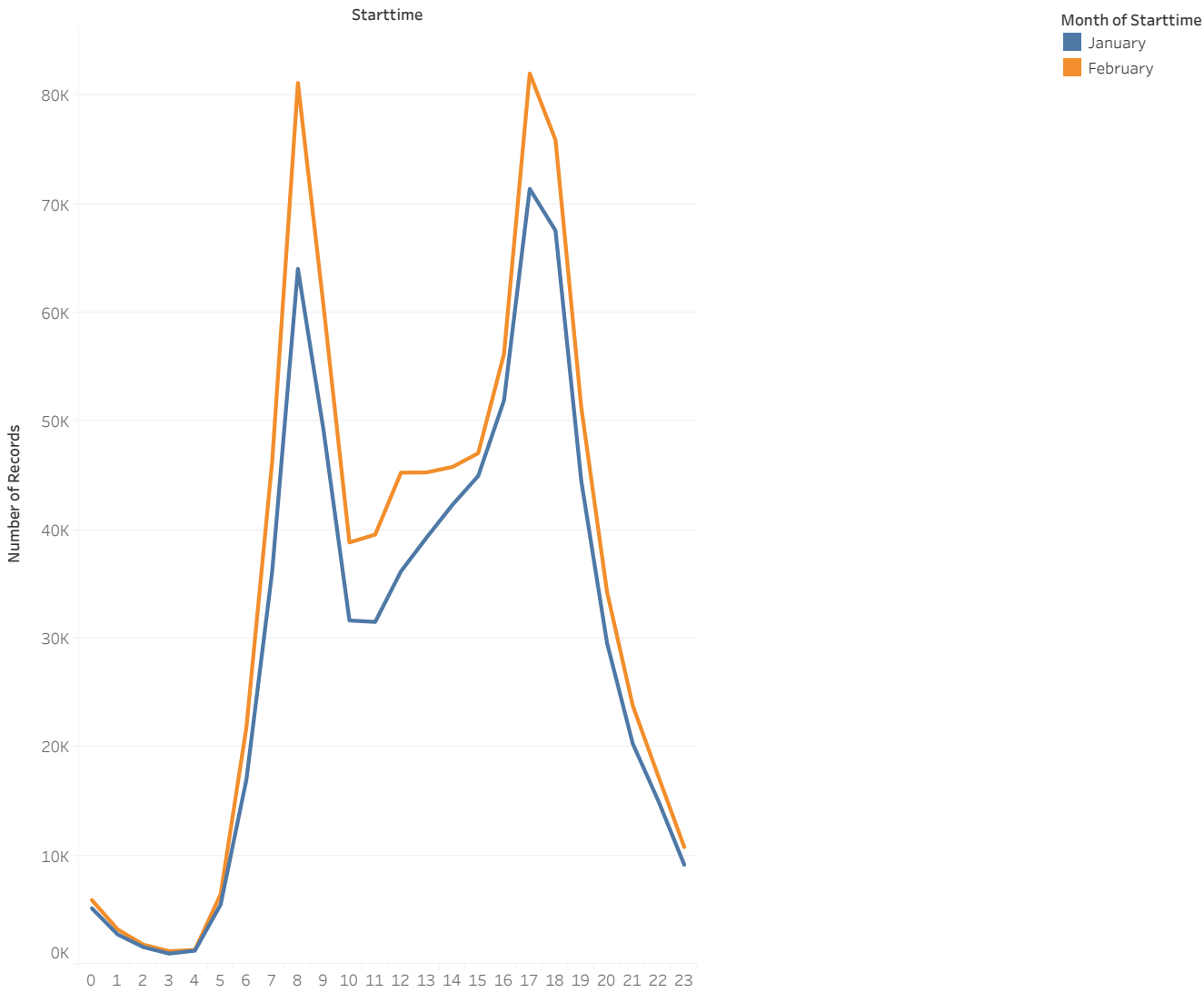
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This graph shows the gender make up of bike users for June 30. You can see that the primary users are males by a long shot. This may be due to the fact that many women do not feel safe riding in the city and that Citi b..

Top 10 Start Stations Today

Start Station Name	Starttime 2018 June	
	26	30
West St & Chambers St	615	376
Pershing Square North	753	164
E 17 St & Broadway	478	300
Broadway & W 60 St	457	308
W 21 St & 6 Ave	473	263
Broadway & E 22 St	510	218
Broadway & E 14 St	371	254
8 Ave & W 33 St	379	217
W 41 St & 8 Ave	438	134
W 33 St & 7 Ave	390	141

Top 10 End Stations Today

End Station Name	Stoptime 2018 June	
	26	30
West St & Chambers St	665	394
Pershing Square North	756	166
E 17 St & Broadway	493	306
W 21 St & 6 Ave	476	301
Broadway & W 60 St	463	290
Broadway & E 22 St	515	224
Lafayette St & E 8 St	401	222
Broadway & E 14 St	349	255
W 33 St & 7 Ave	417	163
W 41 St & 8 Ave	440	139

Bottom 10 Start Stations Today

Start Station Na..	
5 St & Market St	1

Bottom 10 End Stations Today

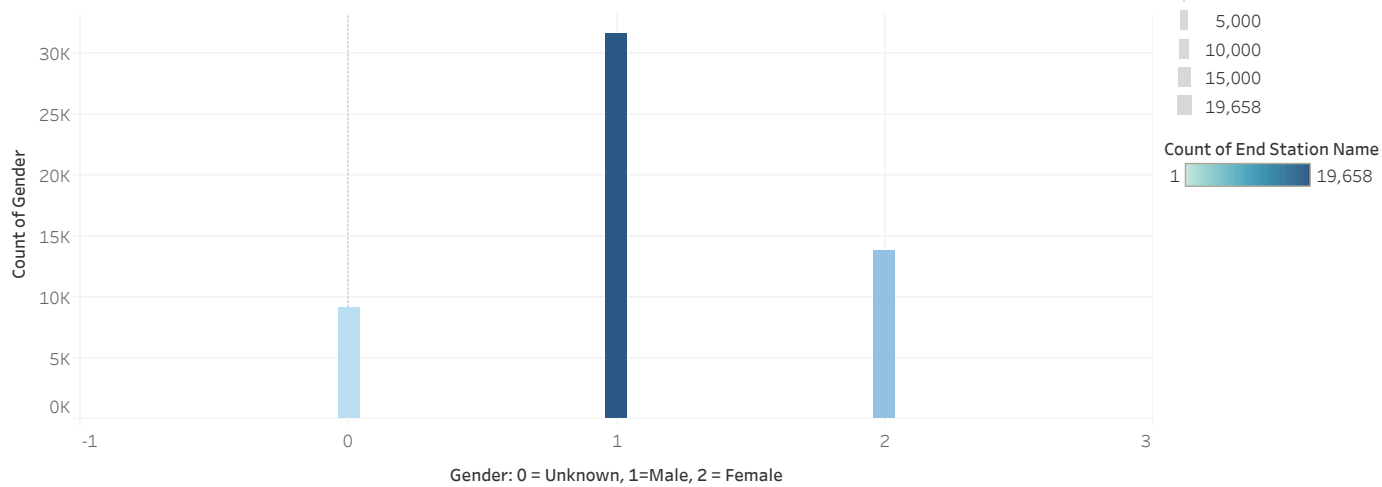| End Station Name	
28 Ave & 44 St	6

Citi Bike Trip Analysis Jan-June 2018

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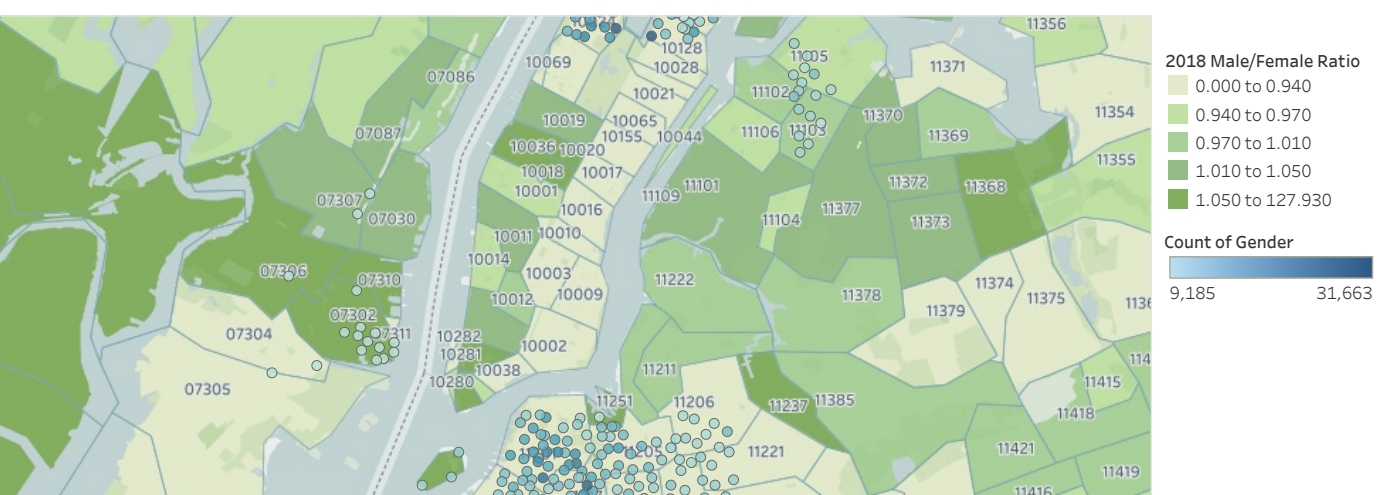
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This chart shows that female ridership (2) is indeed growing from the start of the year into the summer but is still significantly below male ridership. So the gender outreach program seems to be working although the i..

Today Gender Participants

Count of End Station Name

| 1
▌ 5,000
▌ 10,000
▌ 15,000
▌ 19,658

Count of End Station Name
1 ▬▬▬▬ 19,658

Gender: 0 = Unknown, 1=Male, 2 = Female

End Station Locations

2018 Male/Female Ratio
- 0.000 to 0.940
- 0.940 to 0.970
- 0.970 to 1.010
- 1.010 to 1.050
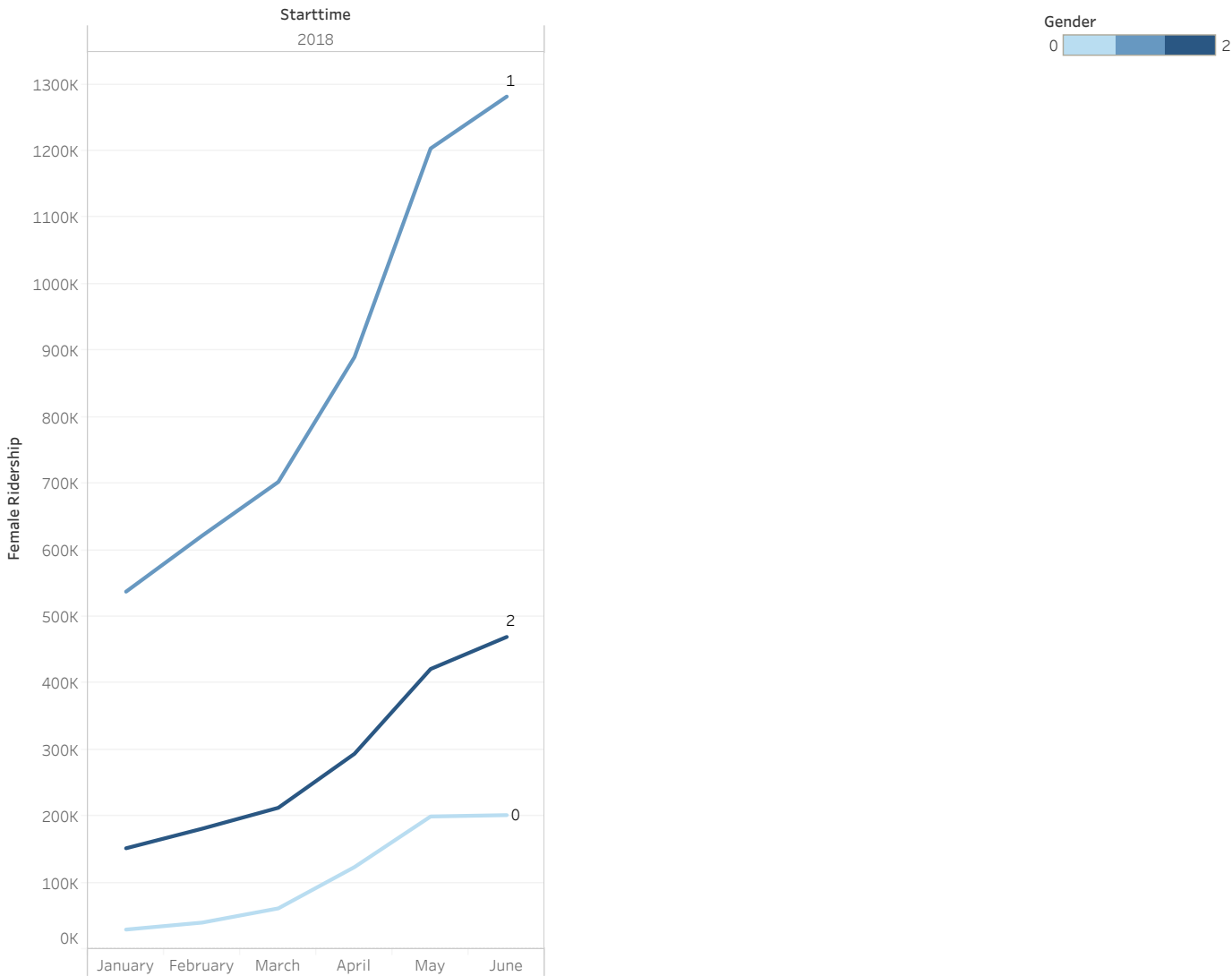- 1.050 to 127.930

Count of Gender
9,185 ▬▬▬▬ 31,663

Citi Bike Trip Analysis Jan-June 2018

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Here we can see that people born in 88 or 84 have the longest trip durations. Also those born in 1969 also have significantly long trip durations compared to the rest of the population.

Starttime
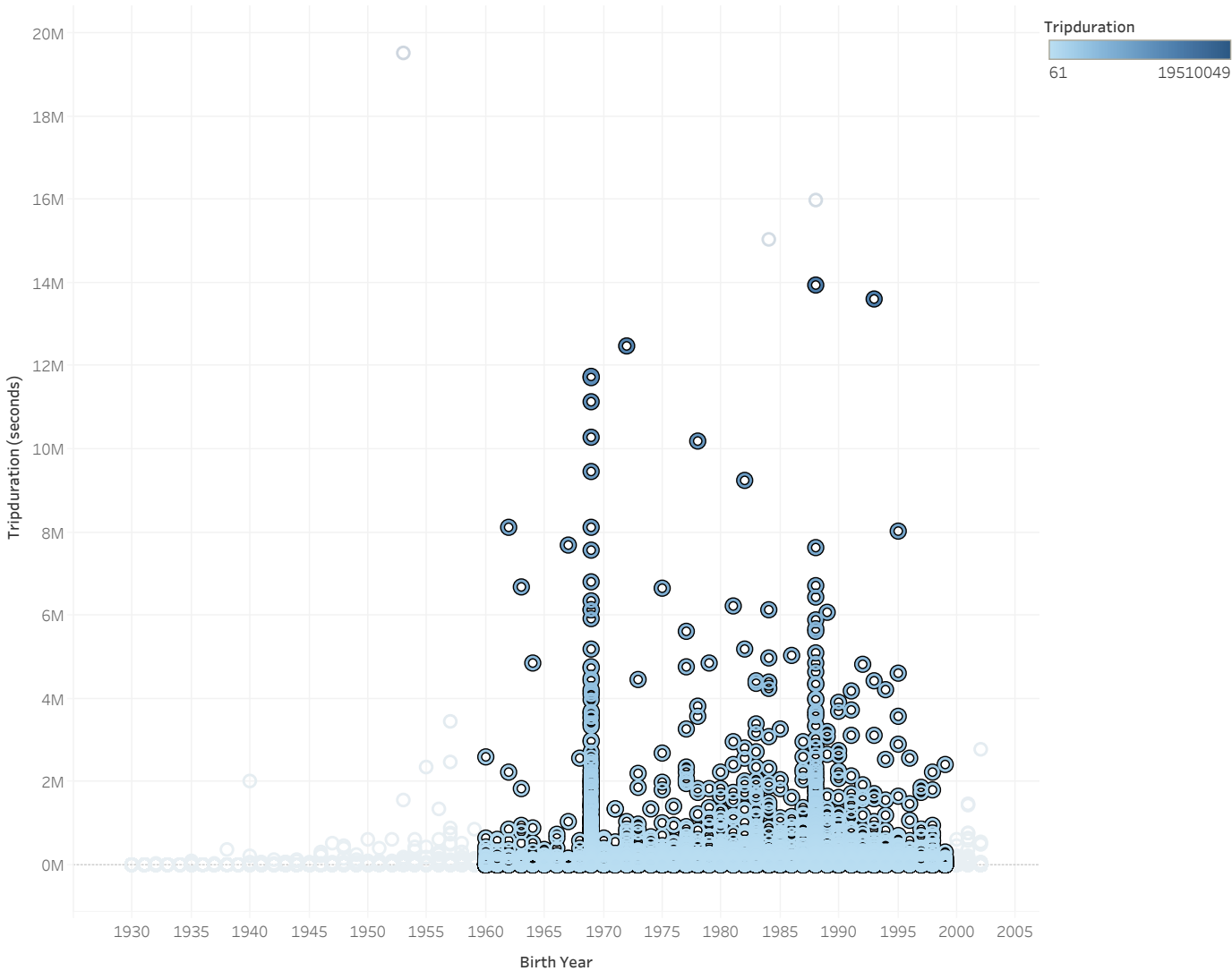### 2018

Gender

0 ▭▭▭▭ 2

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This chart shows the average distance ridden over the months by assuming a speed of 7.456 miles per hour.

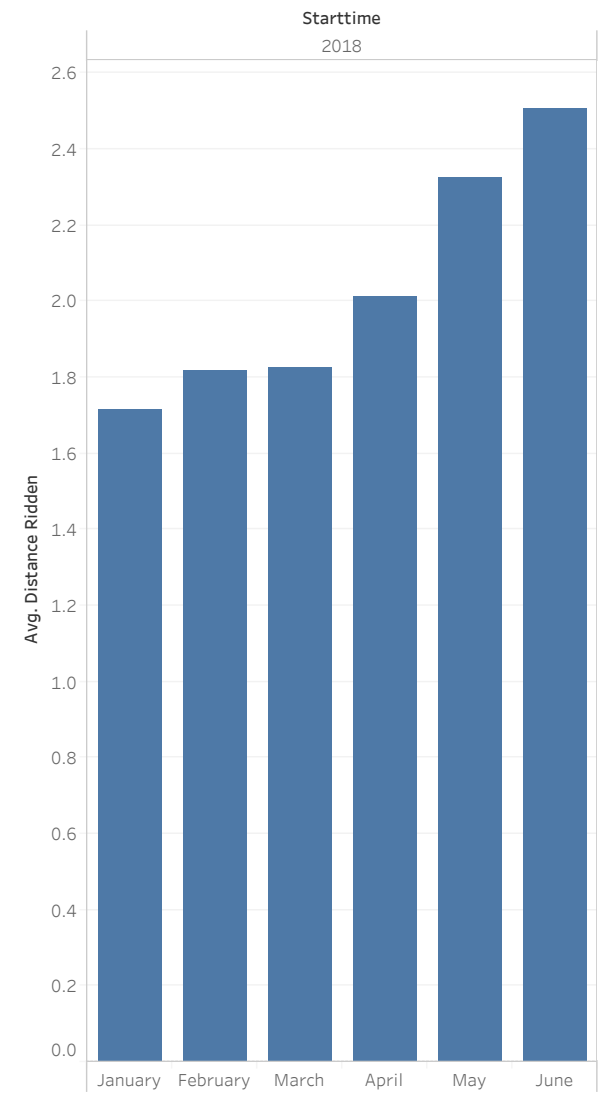**Tripduration**
61   19510049

Citi Bike Trip Analysis Jan-June 2018

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Based on this graph we can see what bike ids may be most in need of repair by looking at the bikes with the longest trip durations as well as the ones that were used the most. Bike IDs in the 30K region may be in mo..

Starttime

2018

Avg. Distance Ridden

2.6	
2.4	
2.2	
2.0	
1.8	
1.6	
1.4	
1.2	
1.0	
0.8	
0.6	
0.4	
0.2	
0.0	

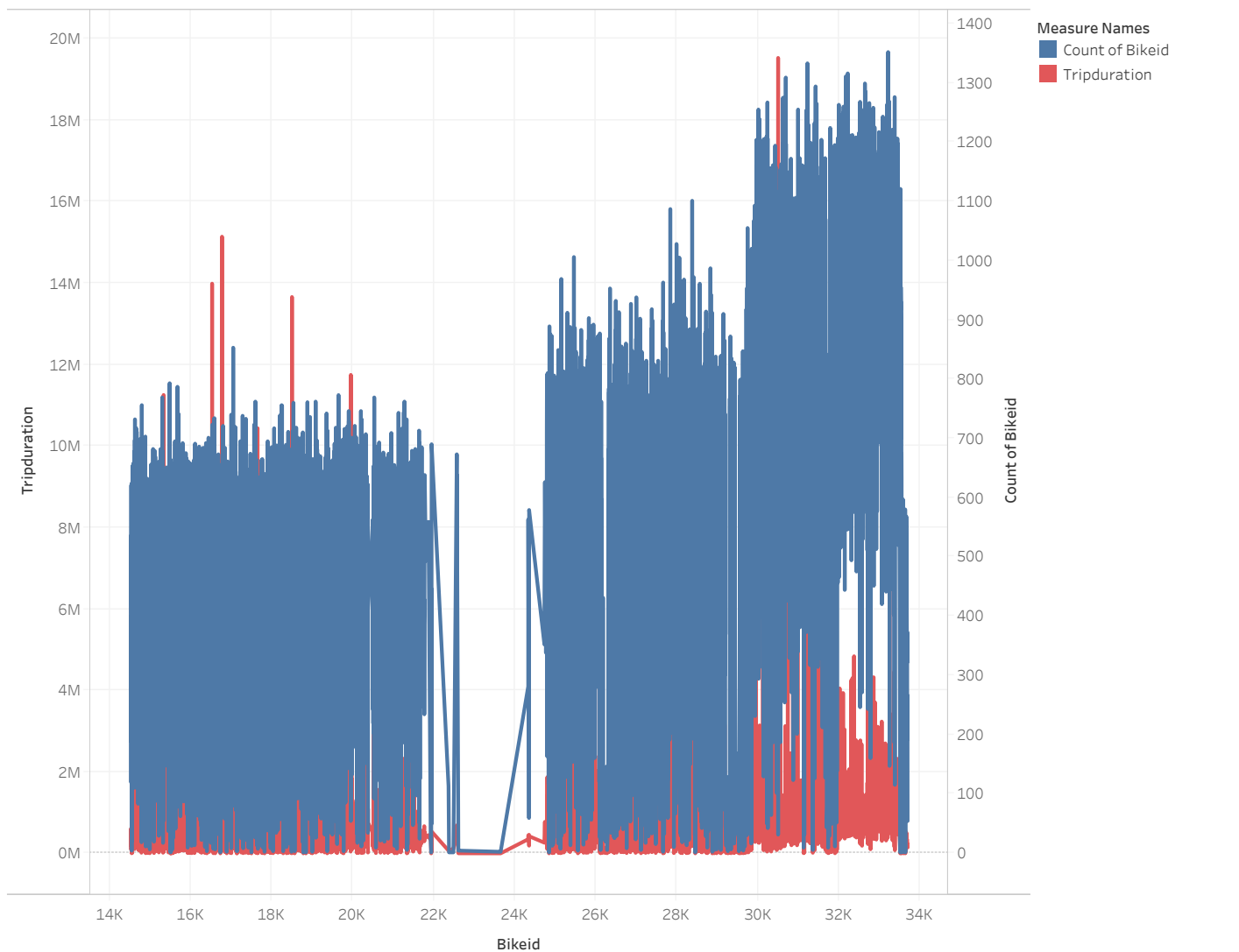January February March April May June

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These maps show the start stations and end stations with the size and color of the circles denoting how frequently that station was used. The map overlay is the ratio of males to females for each zip code, can giv..

Measure Names
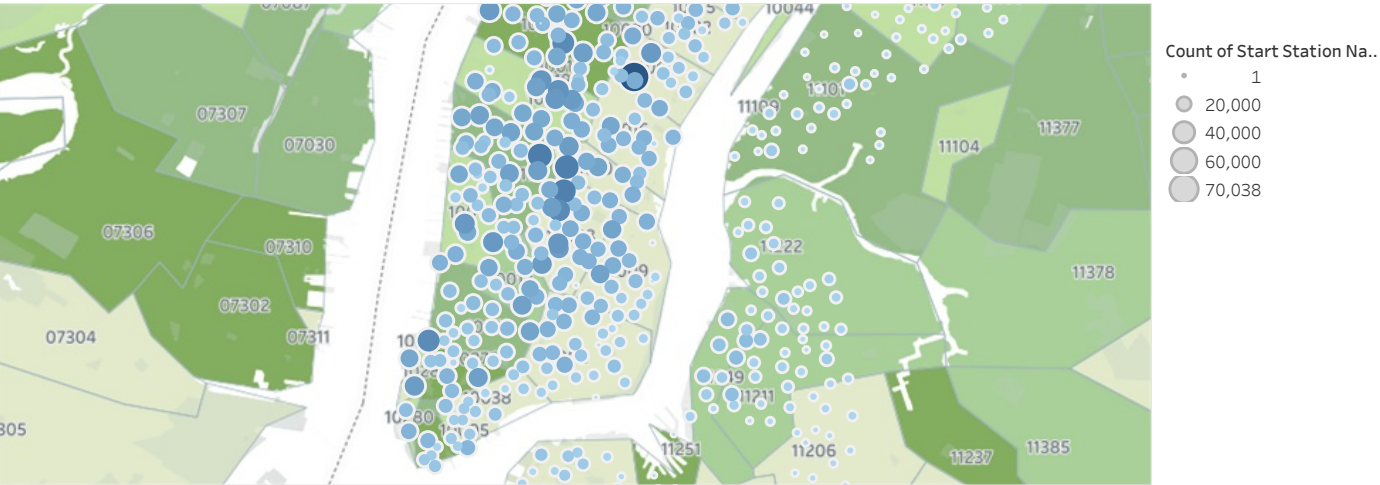- Count of Bikeid
- Tripduration

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Start Station Locations

Count of Start Station Na..
1 — 70,038

Count of Start Station Na..
1
20,000
40,000
60,000
70,038

End Station Locations

Count of End Station Name
1
20,000
40,000
69,789

Count of End Station Name
1 — 69,789