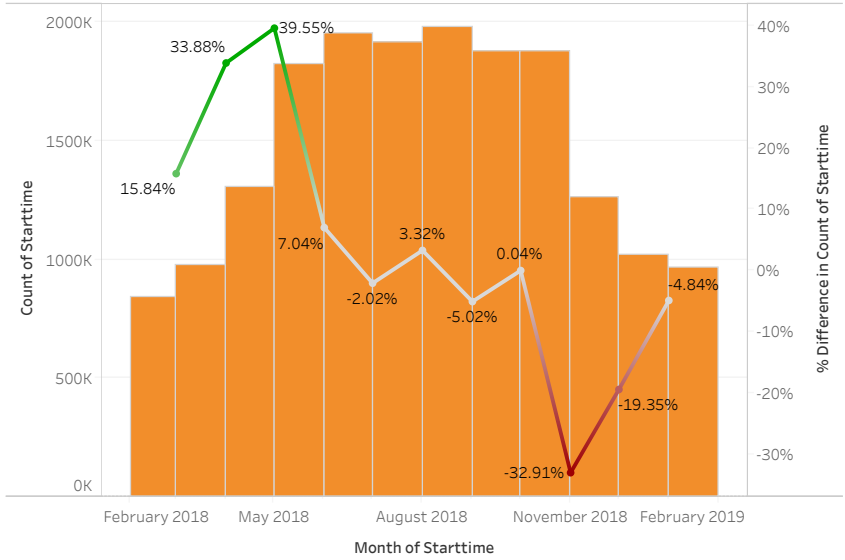
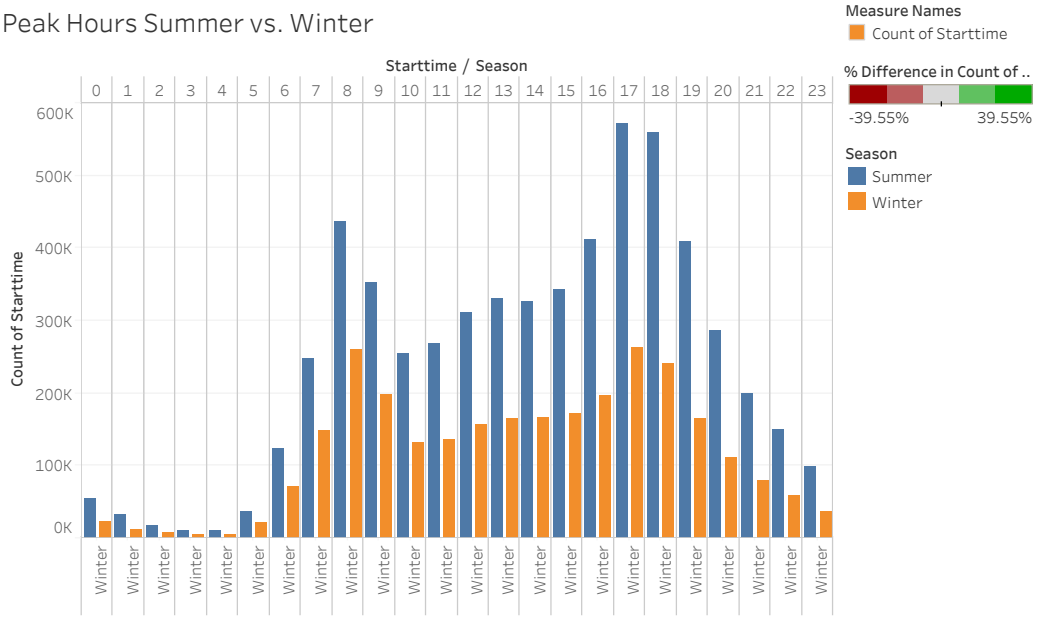
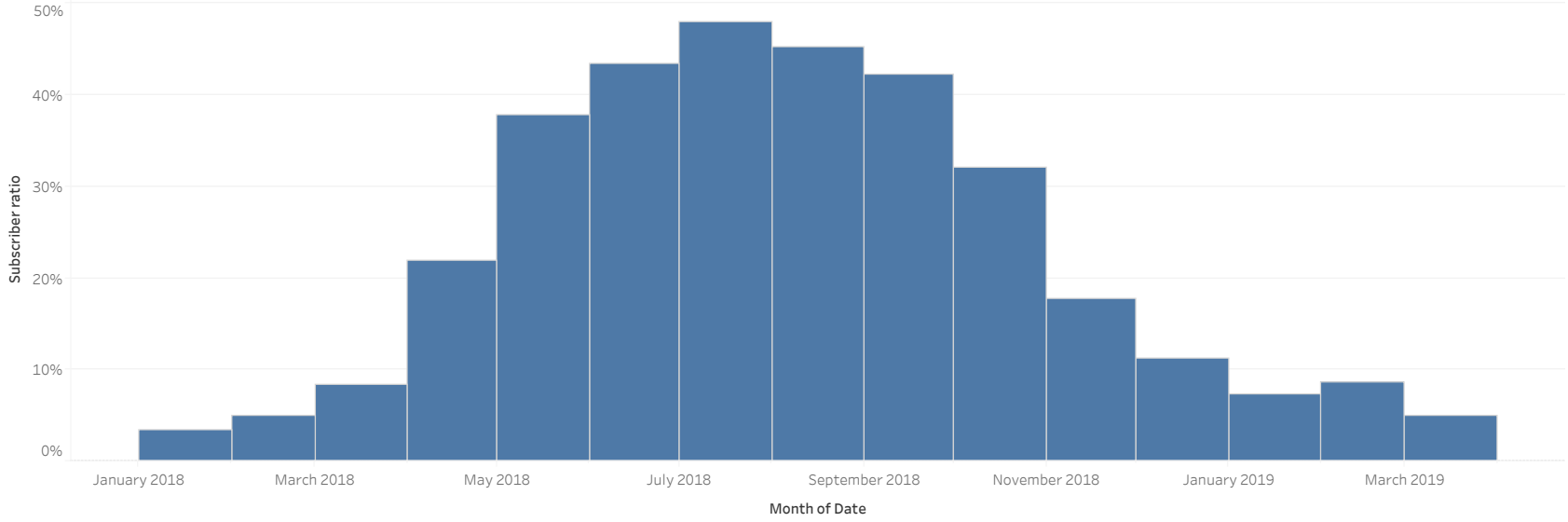
Usage per Month



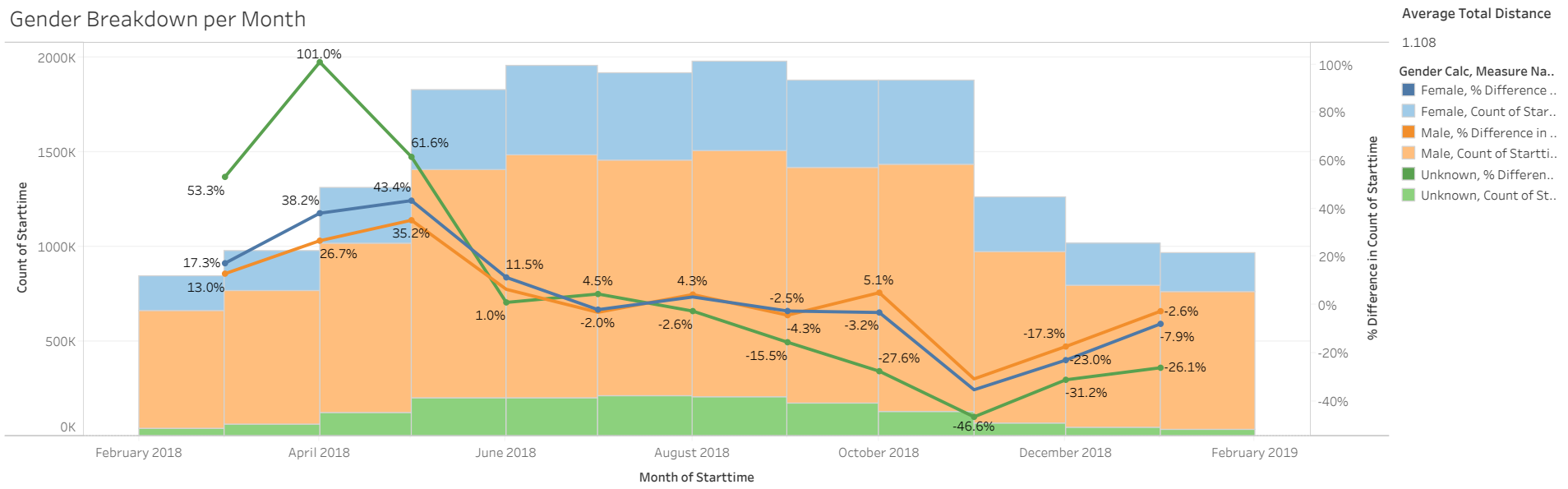
Peak Hours Summer vs. Winter



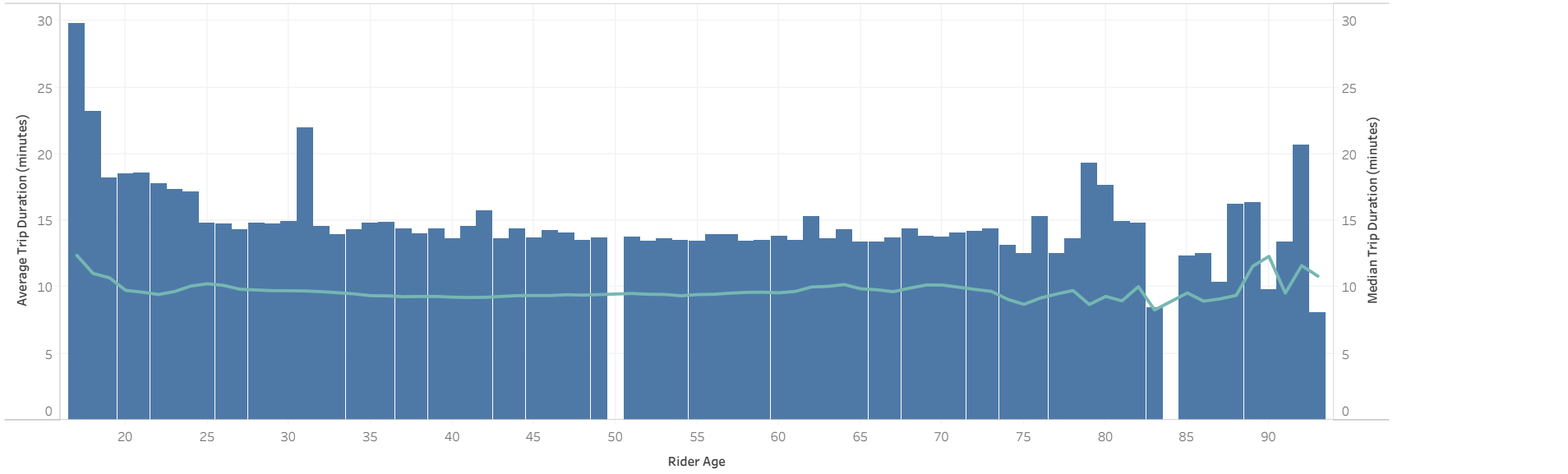
Short vs. Long Term Ratio



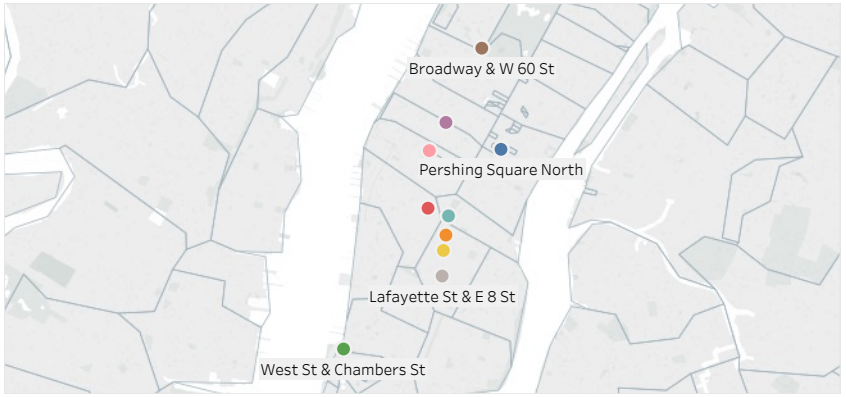
Gender Breakdown per Month



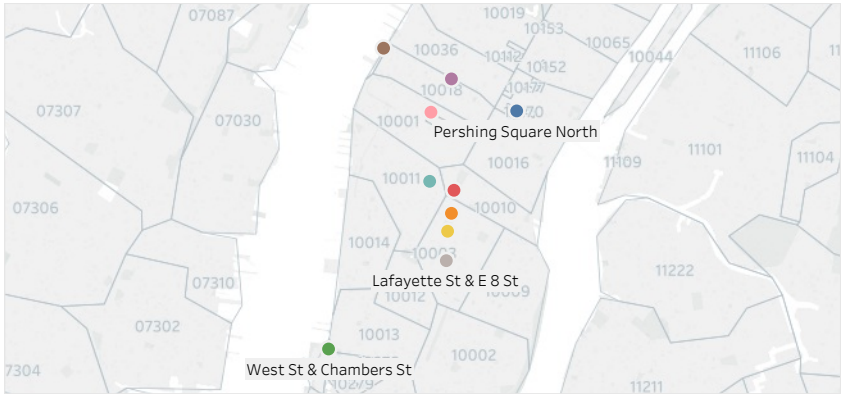
Trip Duration by Age



Top10 Start



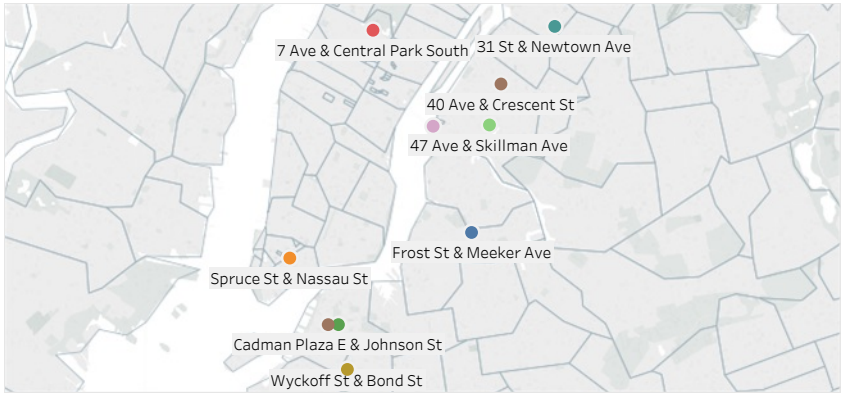
Top10 End



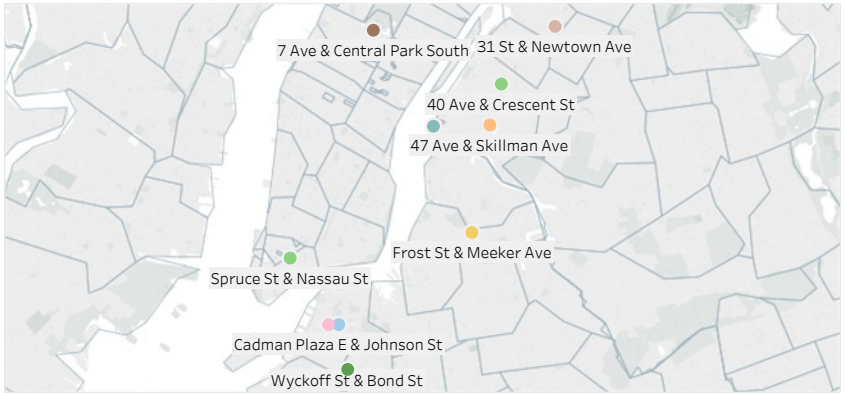
Start Station Name
- Pershing Square North
- W 21 St & 6 Ave
- E 17 St & Broadway
- W 41 St & 8 Ave
- Broadway & E 22 St
- 8 Ave & W 33 St
- Broadway & E 14 St
- Lafayette St & E 8 St
- Broadway & W 60 St
- West St & Chambers St

End Station Name
- Pershing Square North
- Broadway & E 22 St
- W 41 St & 8 Ave
- E 17 St & Broadway
- W 21 St & 6 Ave
- 8 Ave & W 33 St
- Broadway & E 14 St
- Lafayette St & E 8 St
- 12 Ave & W 40 St
- West St & Chambers St

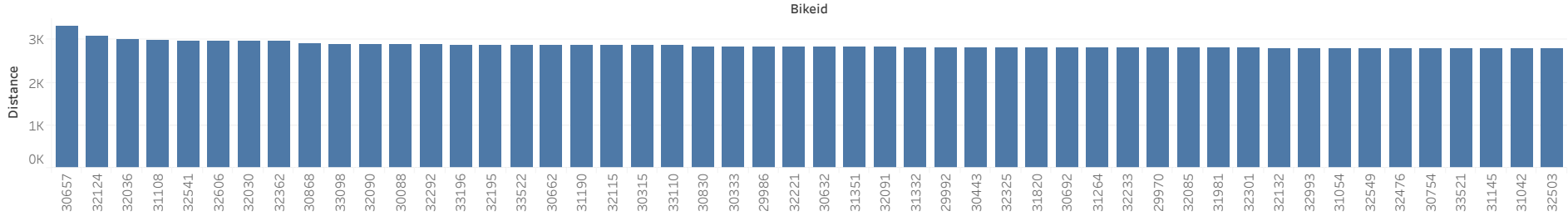
Bottom10 Start



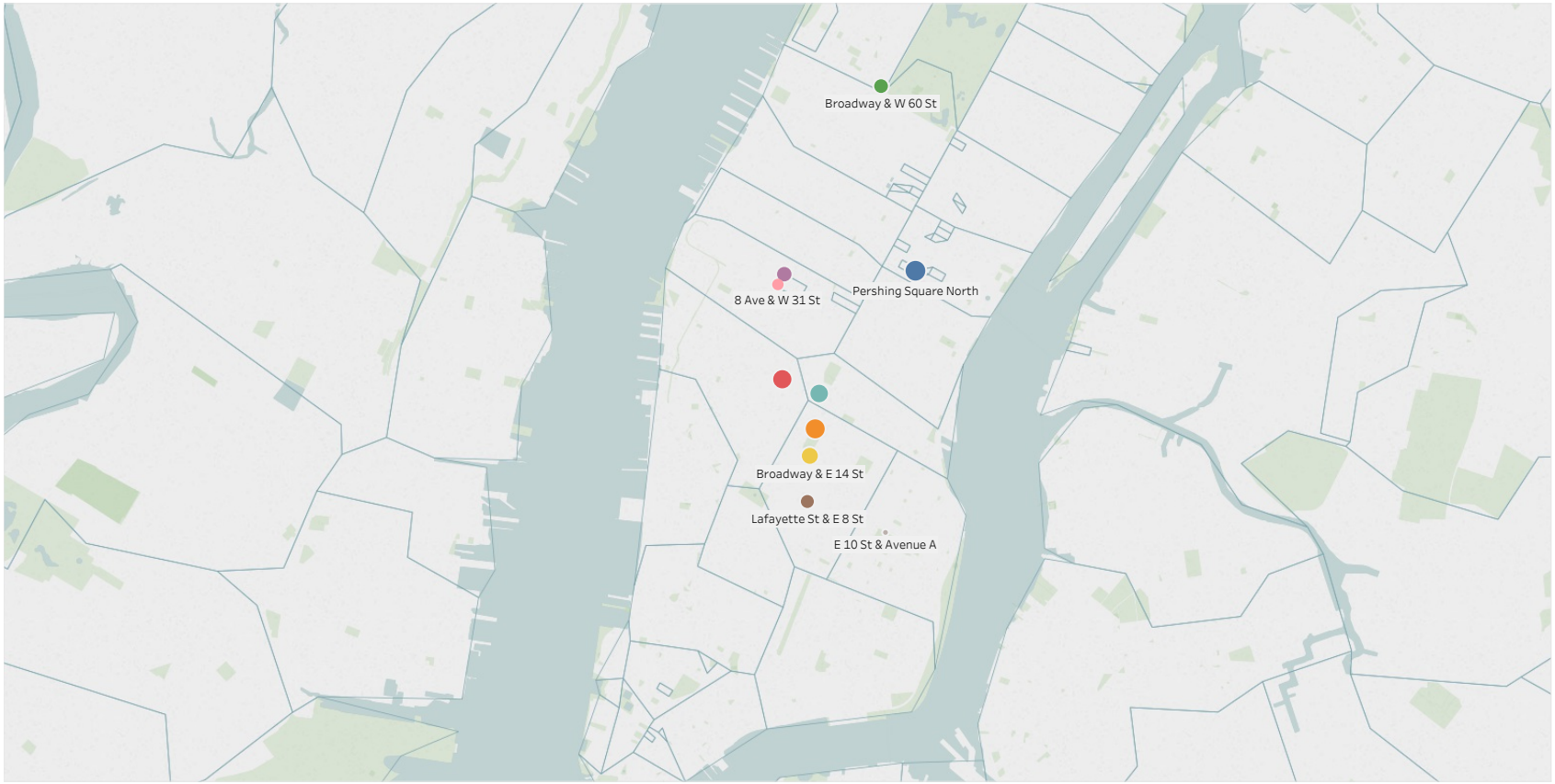
Bottom10 End



Repair likely bikes



Monthly Rate Change - November 2018



W 22 St & 10 Ave
E 10 St & Avenue A
W 16 St & 8 Ave
W 38 St & 8 Ave
E 47 St & Park Ave
W 20 St & 11 Ave
W 33 St & 7 Ave
South End Ave & Liberty St
Grand Army Plaza & Central Par..
Central Park S & 6 Ave
8 Ave & W 31 St
12 Ave & W 40 St
Lafayette St & E 8 St
Broadway & W 60 St
8 Ave & W 33 St
W 41 St & 8 Ave
Broadway & E 14 St
West St & Chambers St
Broadway & E 22 St
W 21 St & 6 Ave
E 17 St & Broadway
Pershing Square North

Top 10 Stations

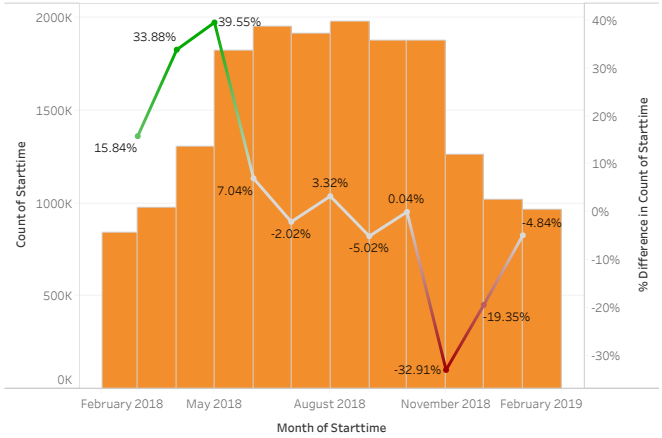
1
2
3
4
5
6
7
8
9
10

Map based on average of Start Station Longitude and average of Start Station Latitude. Color shows details about Index. Size shows details about Start Station Name. The marks are labeled by Start Station Name. The data is filtered on Exclusions (Start Station Latitude,Start Station Longitude,Start Station Name), which keeps 927 members. The view is filtered on Index, which keeps 10 members.

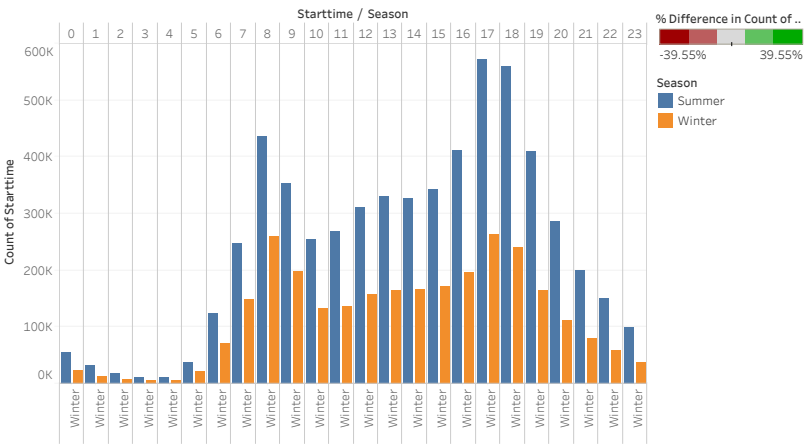
1. Monthly Analysis

The first part of the analysis is presenting the time variation variation taking into account:
- Usage of bikes per month and the consequutive monthly variation
- Hourly breakdown of usage for Summer and Winter season..

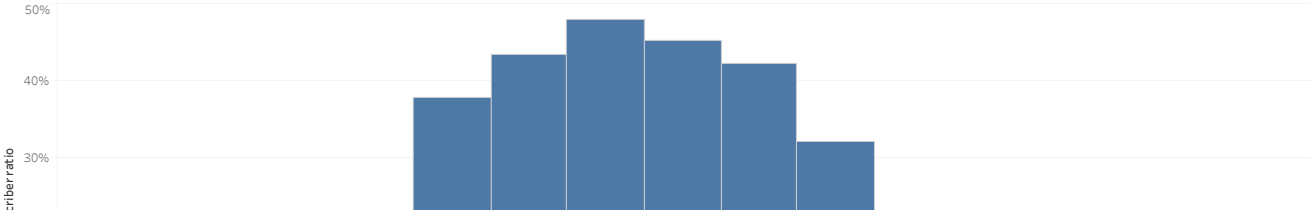
Usage per Month



Peak Hours Summer vs. Winter



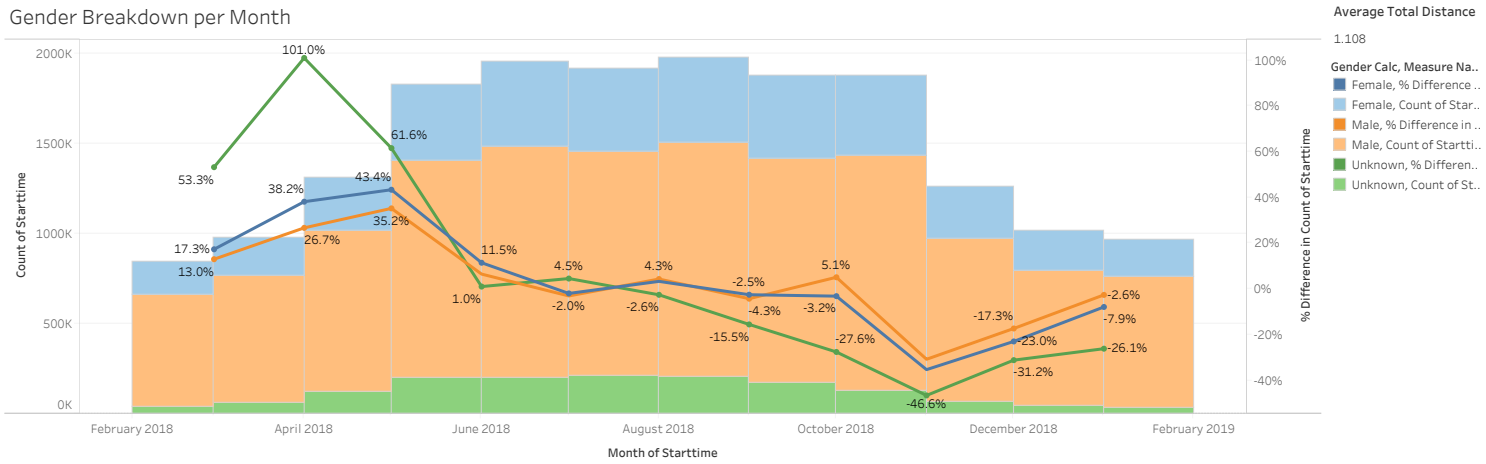
Short vs. Long Term Ratio



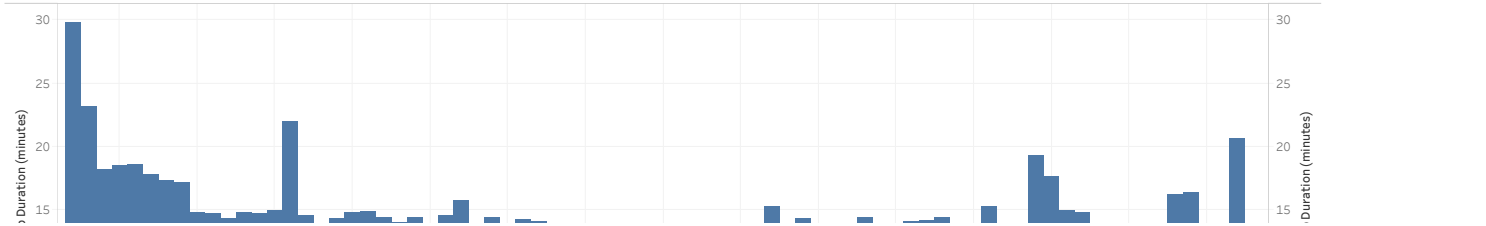
2. Operational Analysis

This part of the analysis included different population characteristics.
- Monthly usage of Bikes for each hender and the consecutive rate change per month.
- Trip duration time for every different age. Due to the fact that there were some outliers the Median value is also represented in the graph with a line chart

Gender Breakdown per Month



Trip Duration by Age

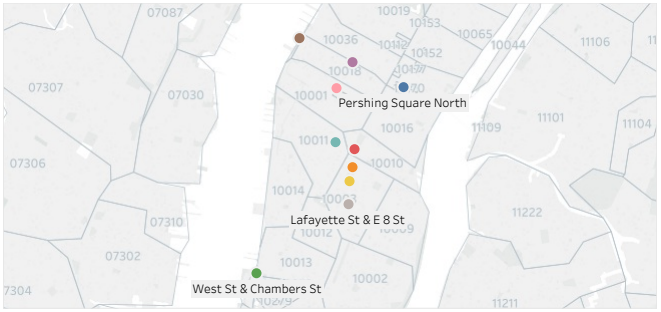


Geograhical Analysis

This Plot presents the Top 10 and Bottom 10 Stations for Begining or Ending the trip.
- Busiest stations are found at Manhattan
- Lower traffic stations are on areas outside of Manhattan

Top10 Start

Top10 End



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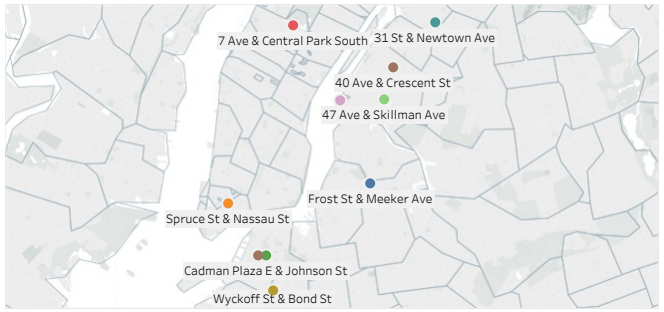
Bottom10 Start

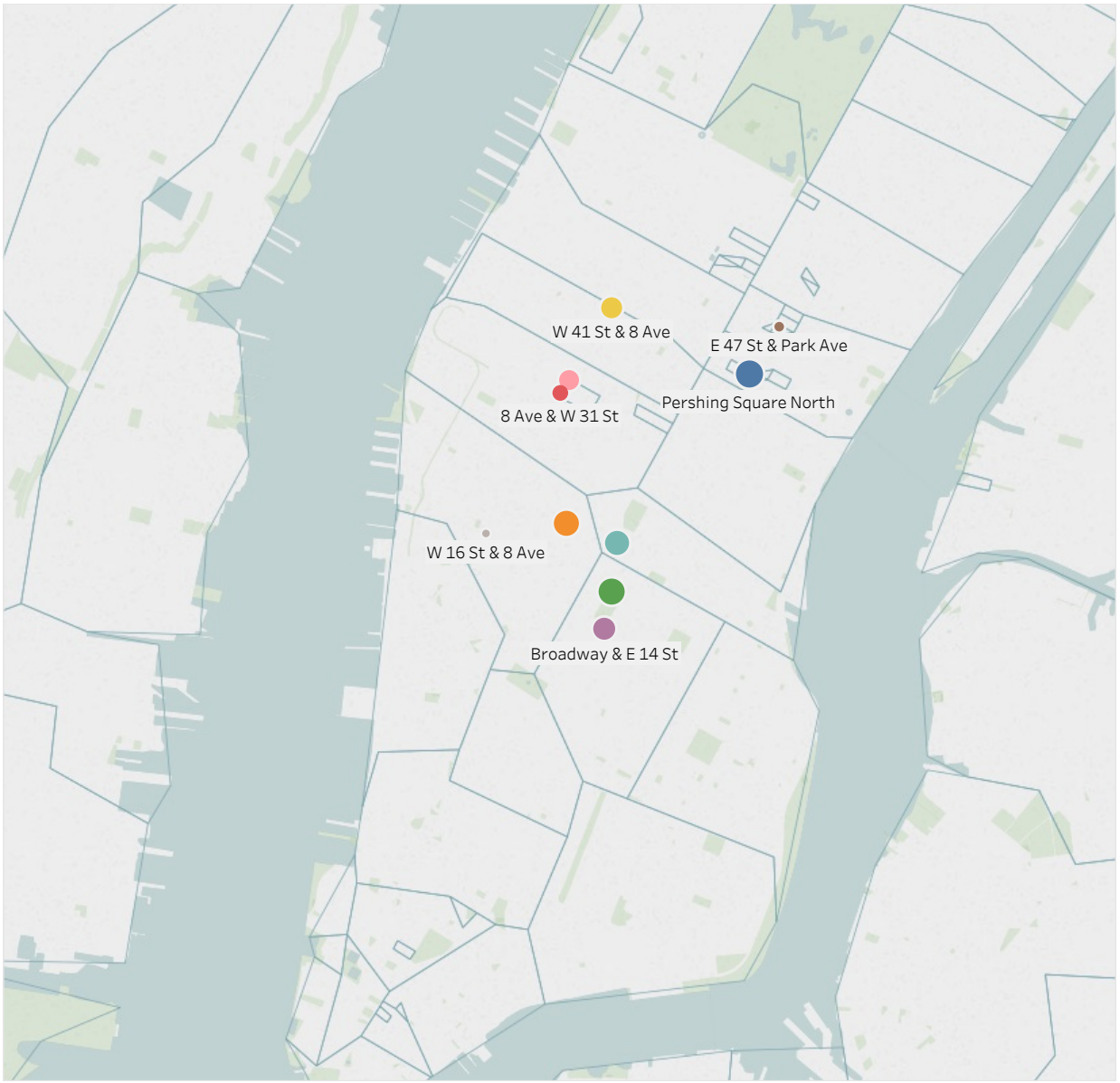


Bottom10 End

Repair likely bikes

Monthly variation

This plot is showing the Top10 stations that people are selecting to start their rides on a monthly basis.
- Pershing Square North station has is always the Top1 station to start a ride.
- Top 10 stations are always in Manhattan



Top 10 Stations
1
2
3
4
5
6
7
8
9
10

Month of Starttime
January 2019
Show history