

# NY CitiBike Presentation

Trong Phan

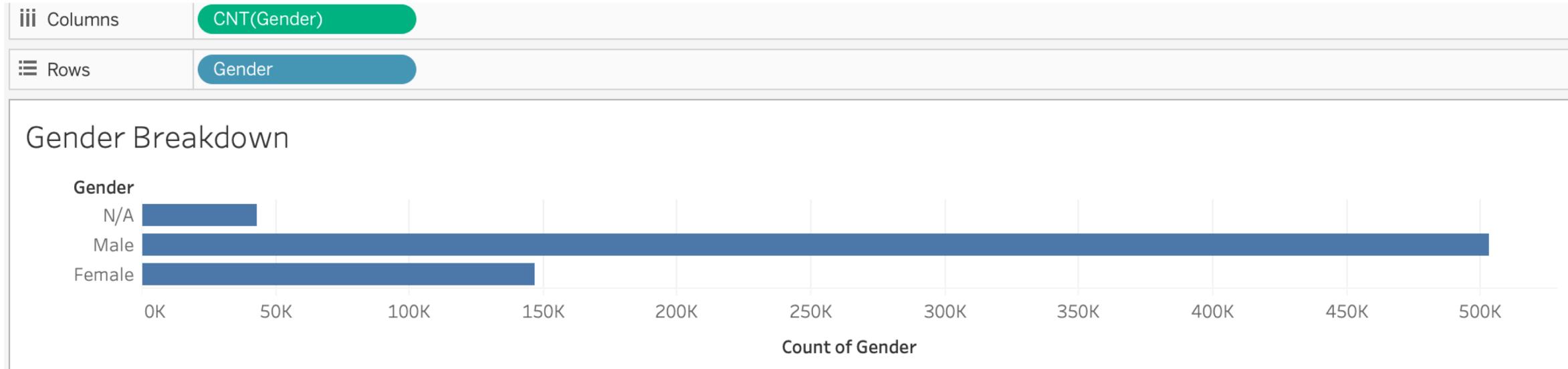
# Methods

- The results were reported individually each month. In order to analyze the data, I had spent a lot of time to clean up the data and especially use the function “Union” in Tableau but it was deceptively easy.
- I finally decided to see pandas to concat these files (the old way) (see the file name “Citi\_Total\_data”)

# The results

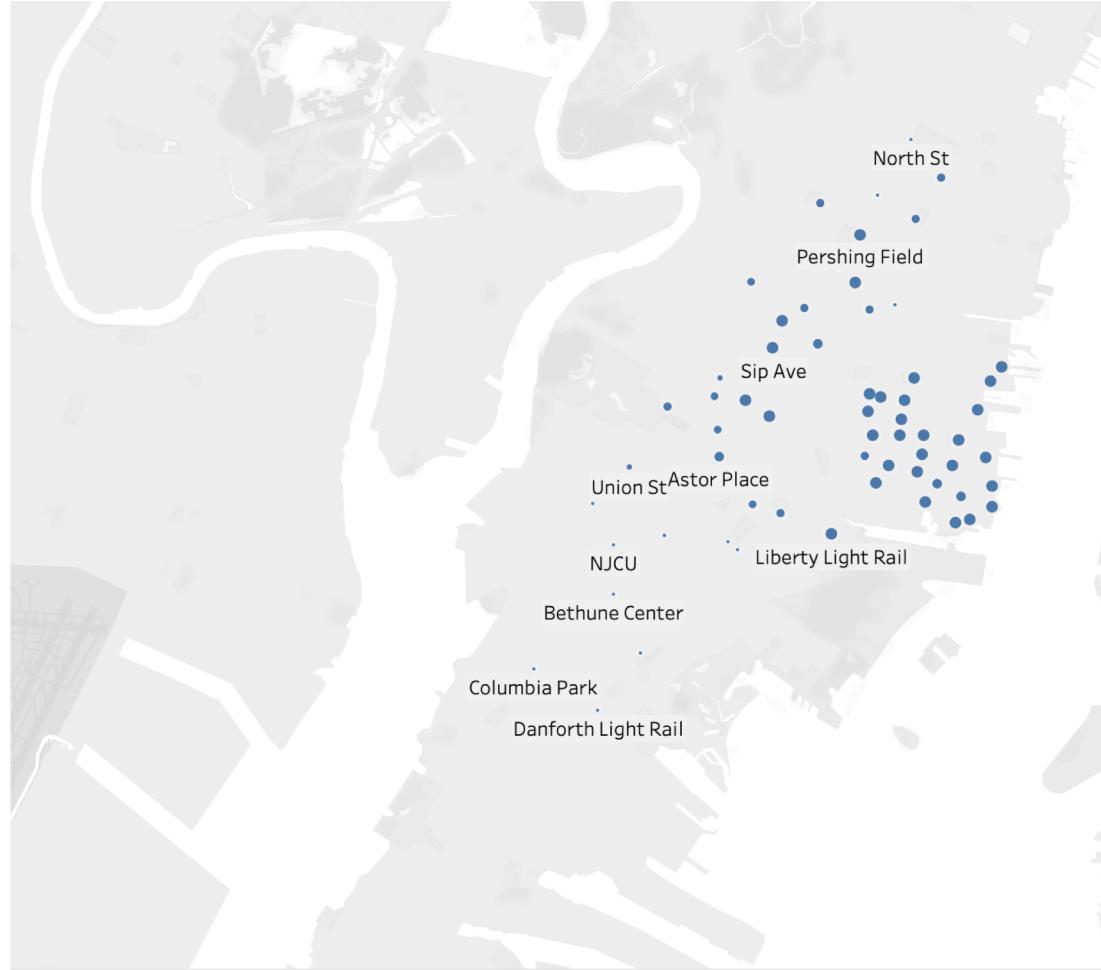
- The following results were analysis of NY Bike data from Jun 2017-May 2019 (24 months period)
- There were 594,471,900 trips during period
- Here are some of the highlights of the results

# Gender breakdown of active bike users

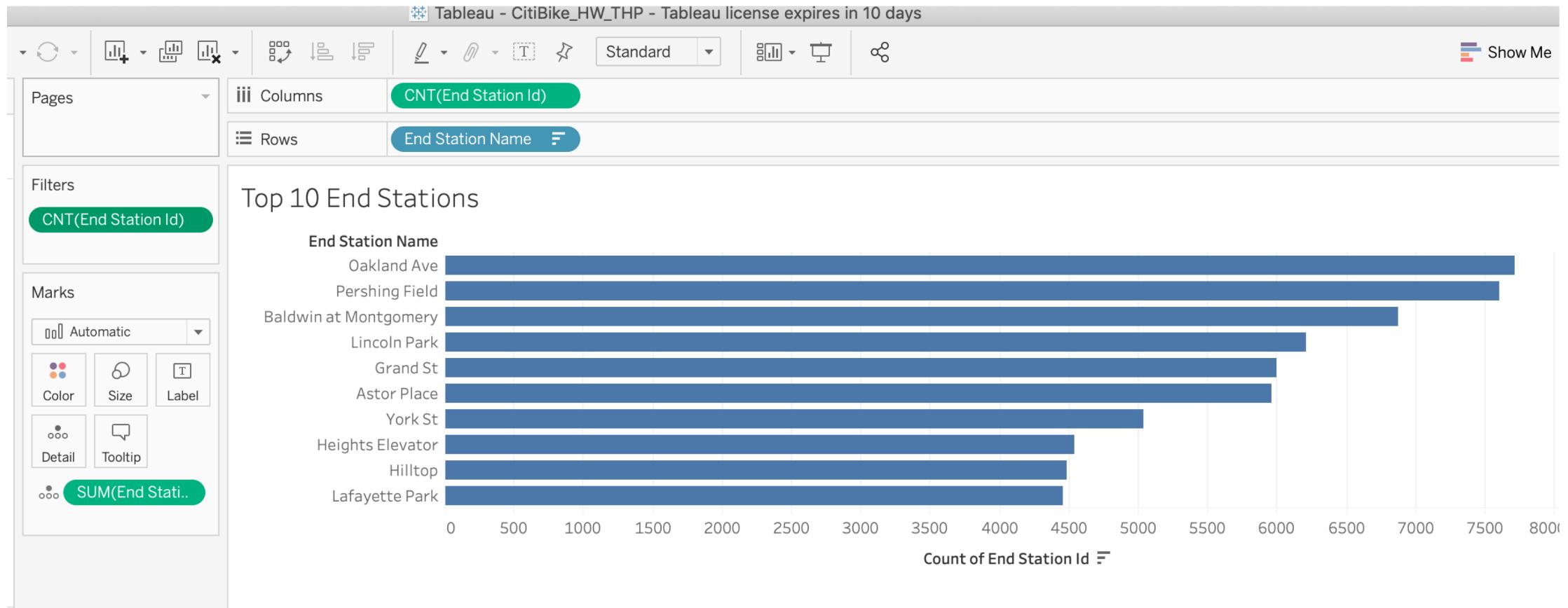


Conclusion: there are more males than females using Bikes

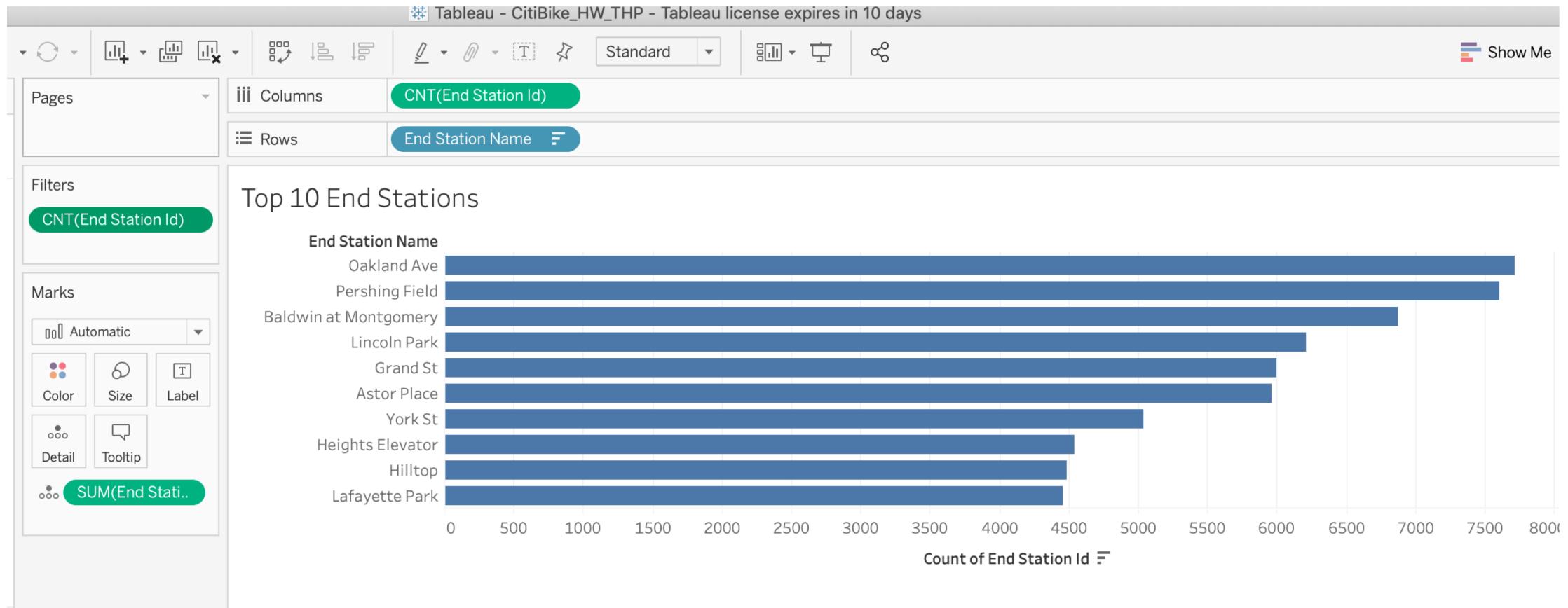
# Visualization of popular stations: start and end journey



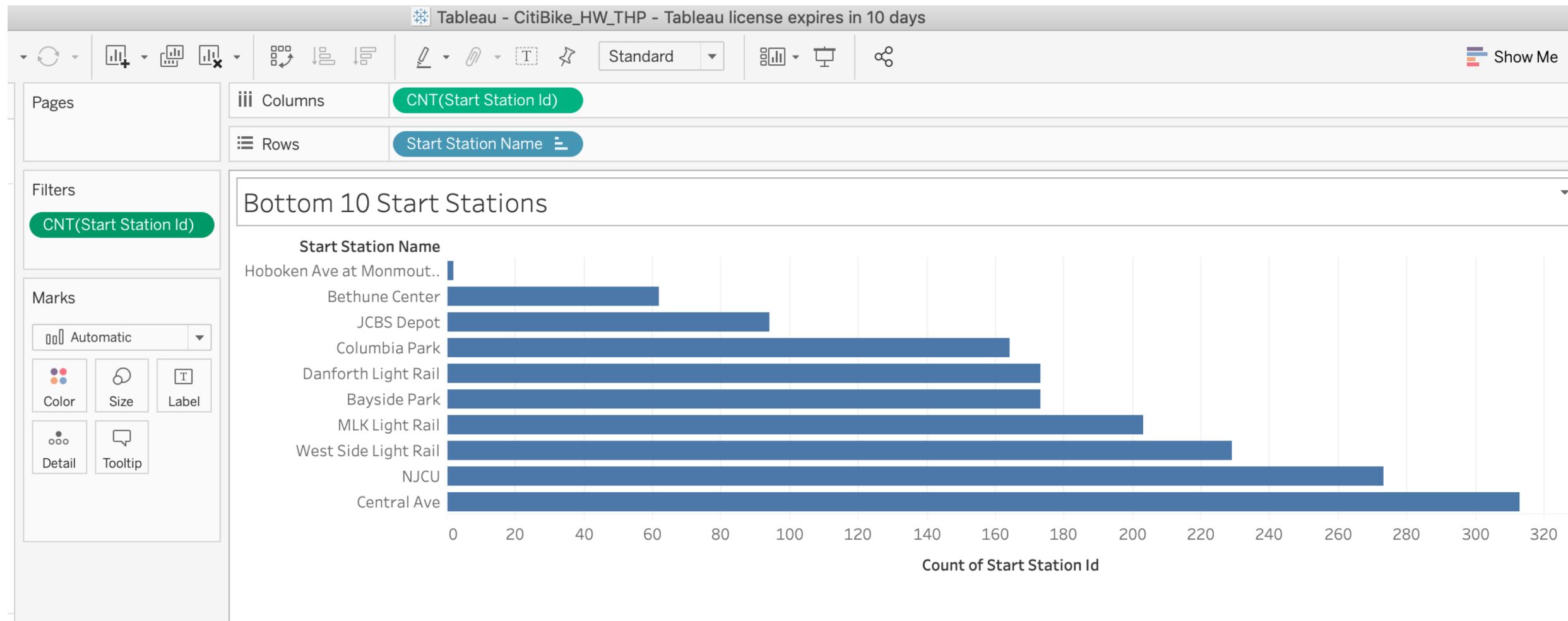
# Top 10 End Stations of Bike Journeys



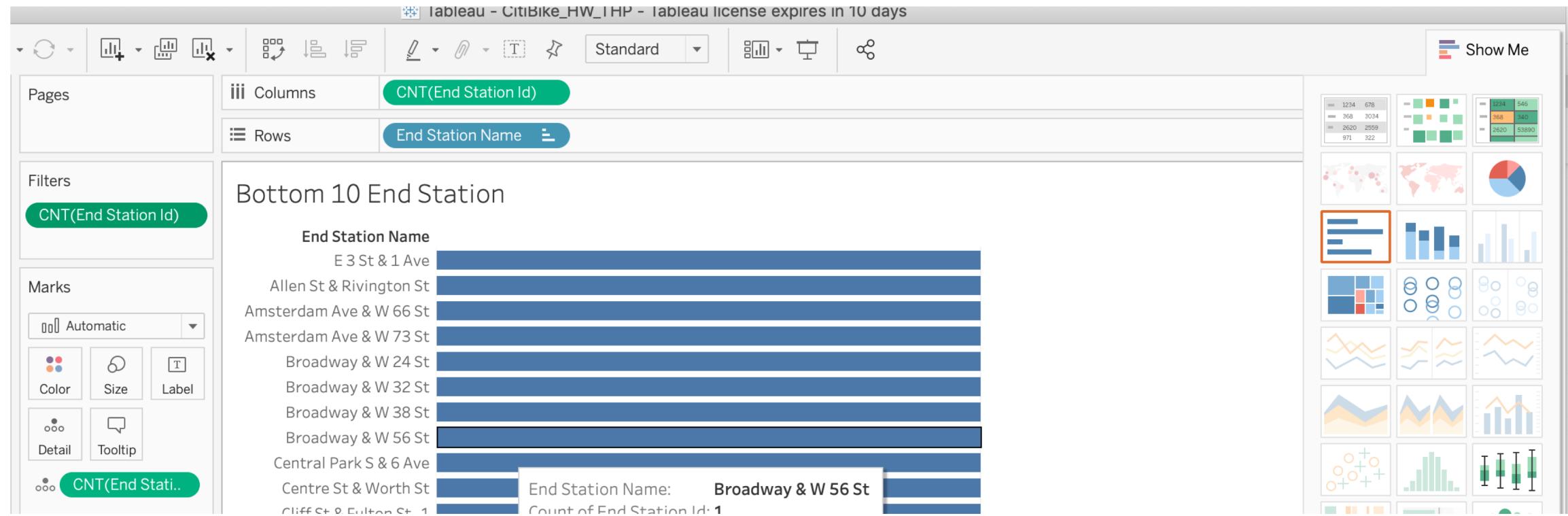
# Top 10 Start Stations of Bike Journeys



# Bottom 10 Start Stations of Bike Journeys



# Bottom 10 End Stations



# Total numbers of Trip during this period

Columns

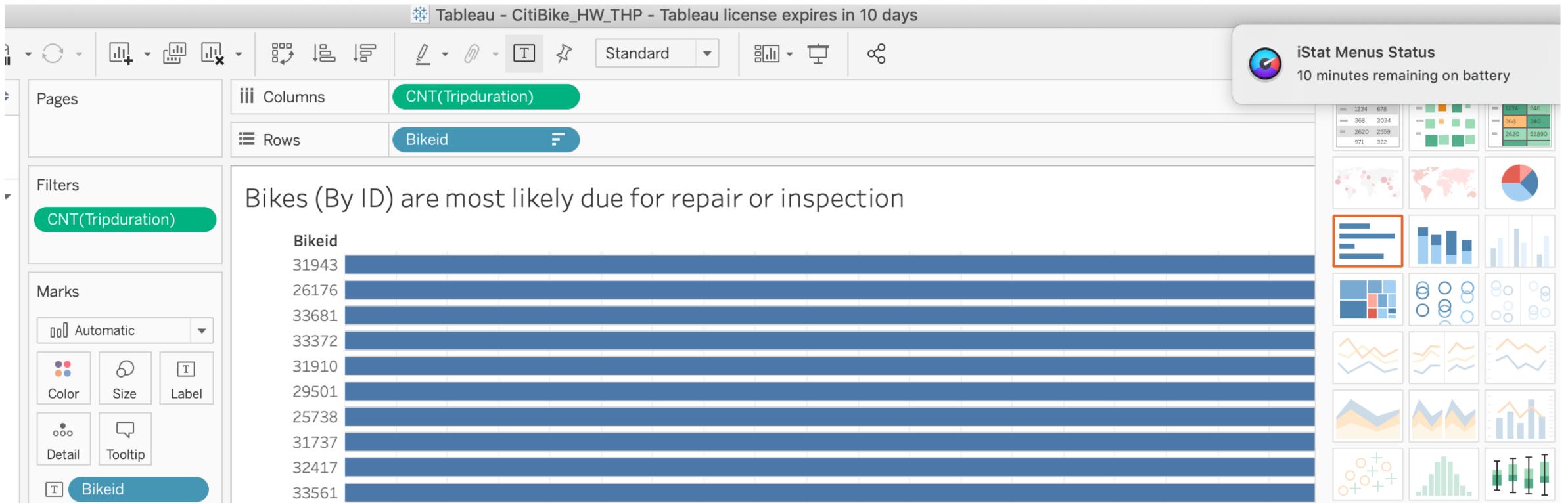
Rows

Total Trips Recorded for this choosen period

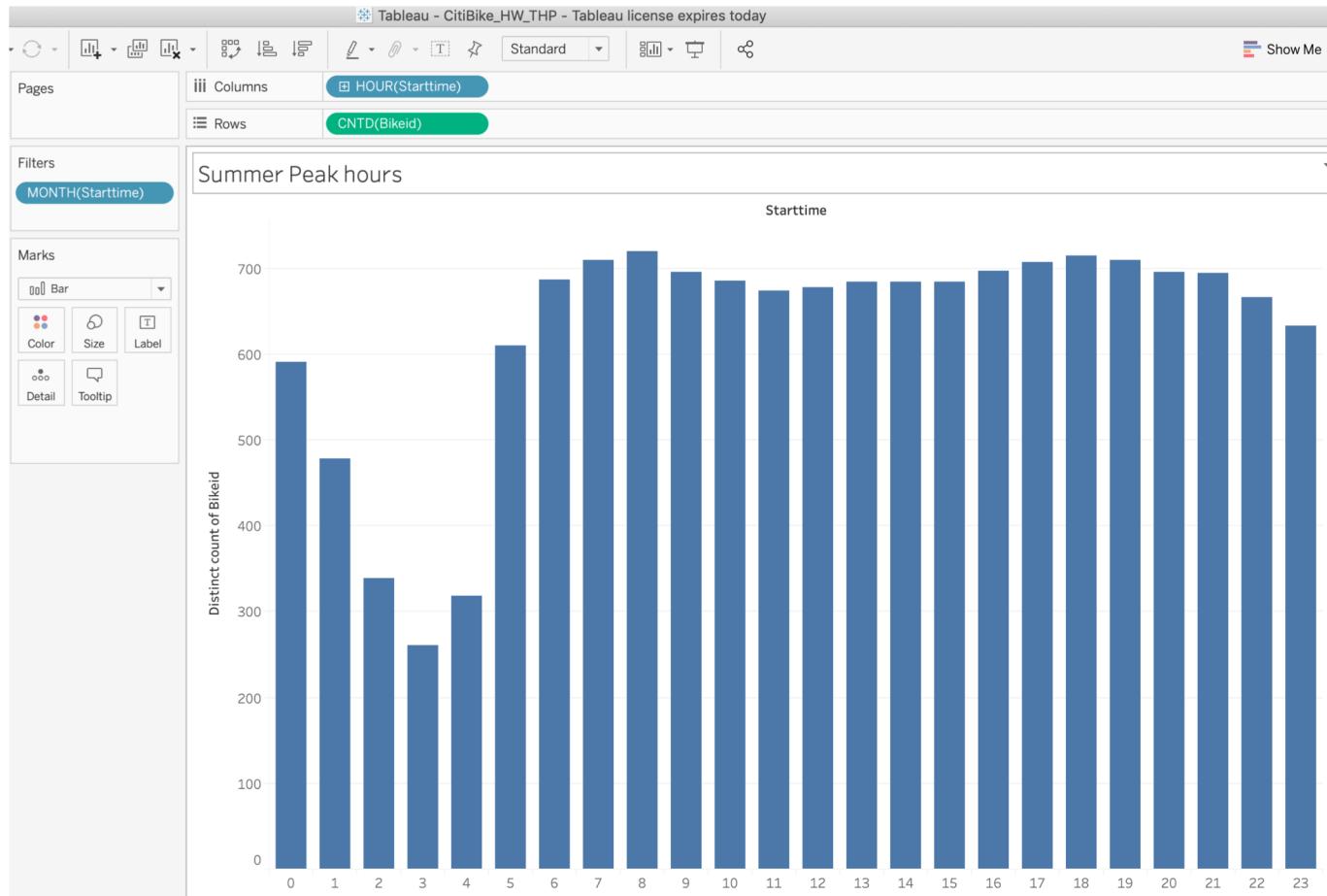
Abc

Tripduration: **594,471,900**

# Mostly like be repaired or replaced by Bike (ID)

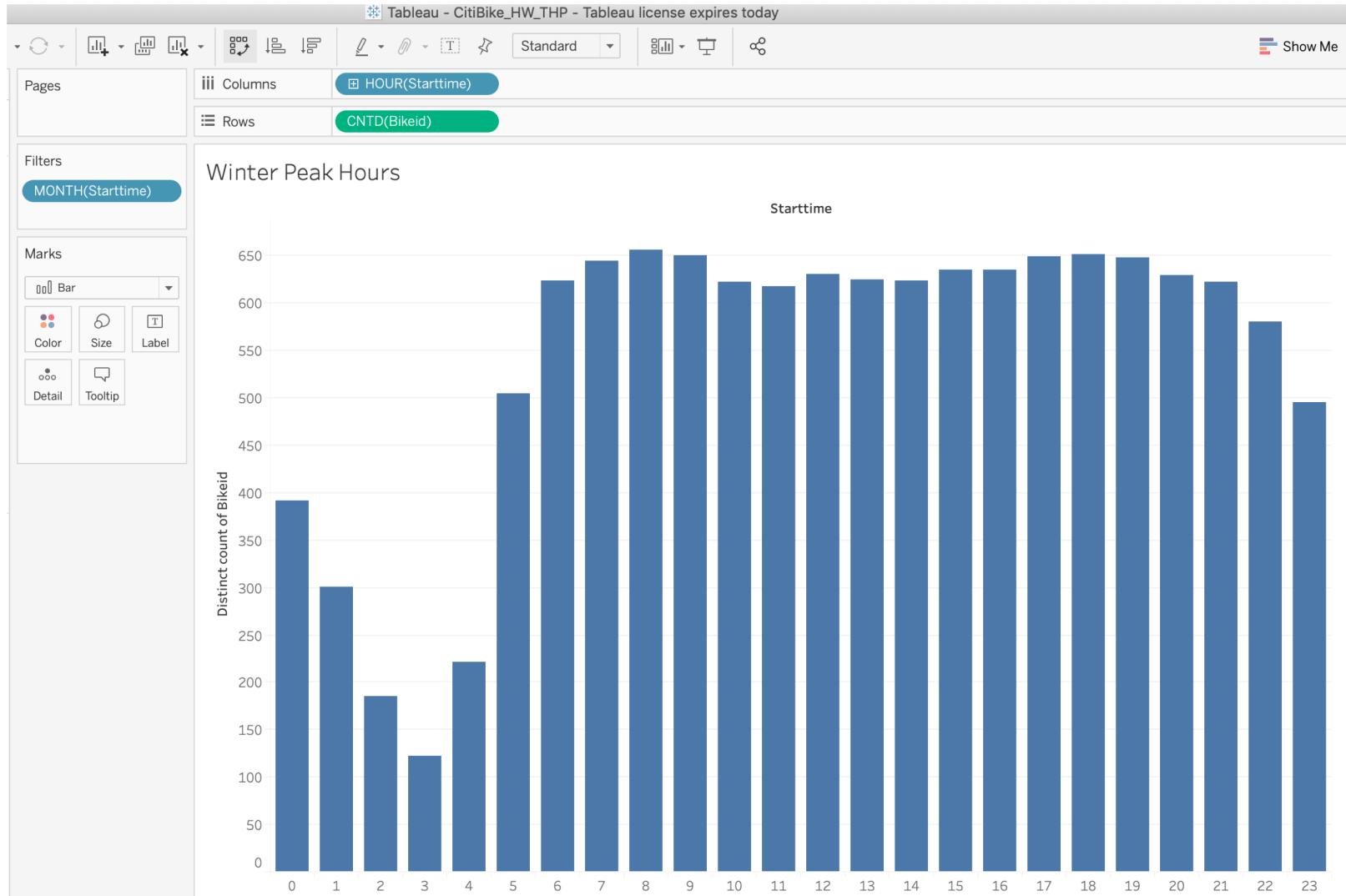


# Summer Peak hours Bikes are used



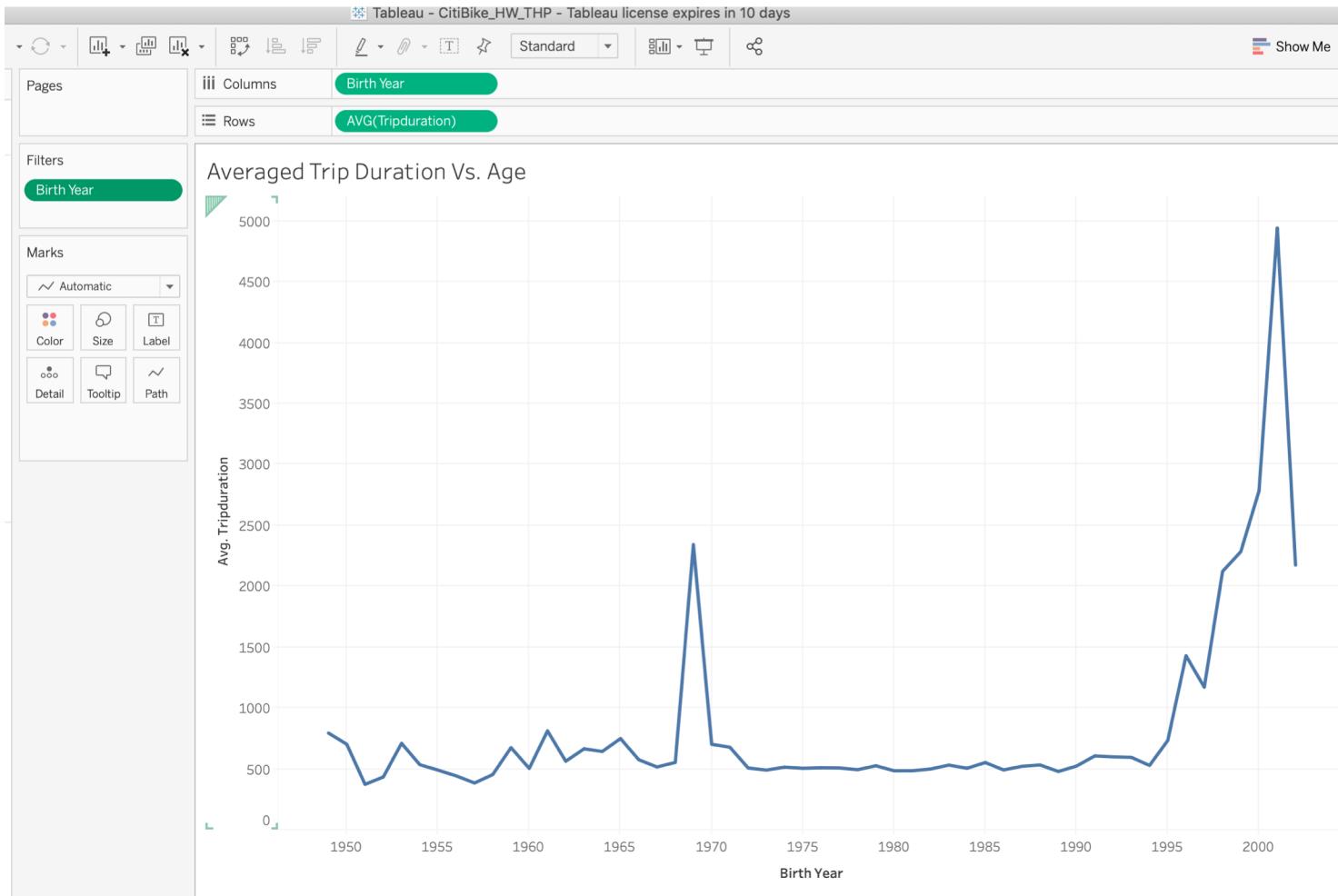
As expected peak hours of  
Bike usages are 6-8 and 4:30-6:30, which  
Are the times for going to and from work

# Winter Peak Hours



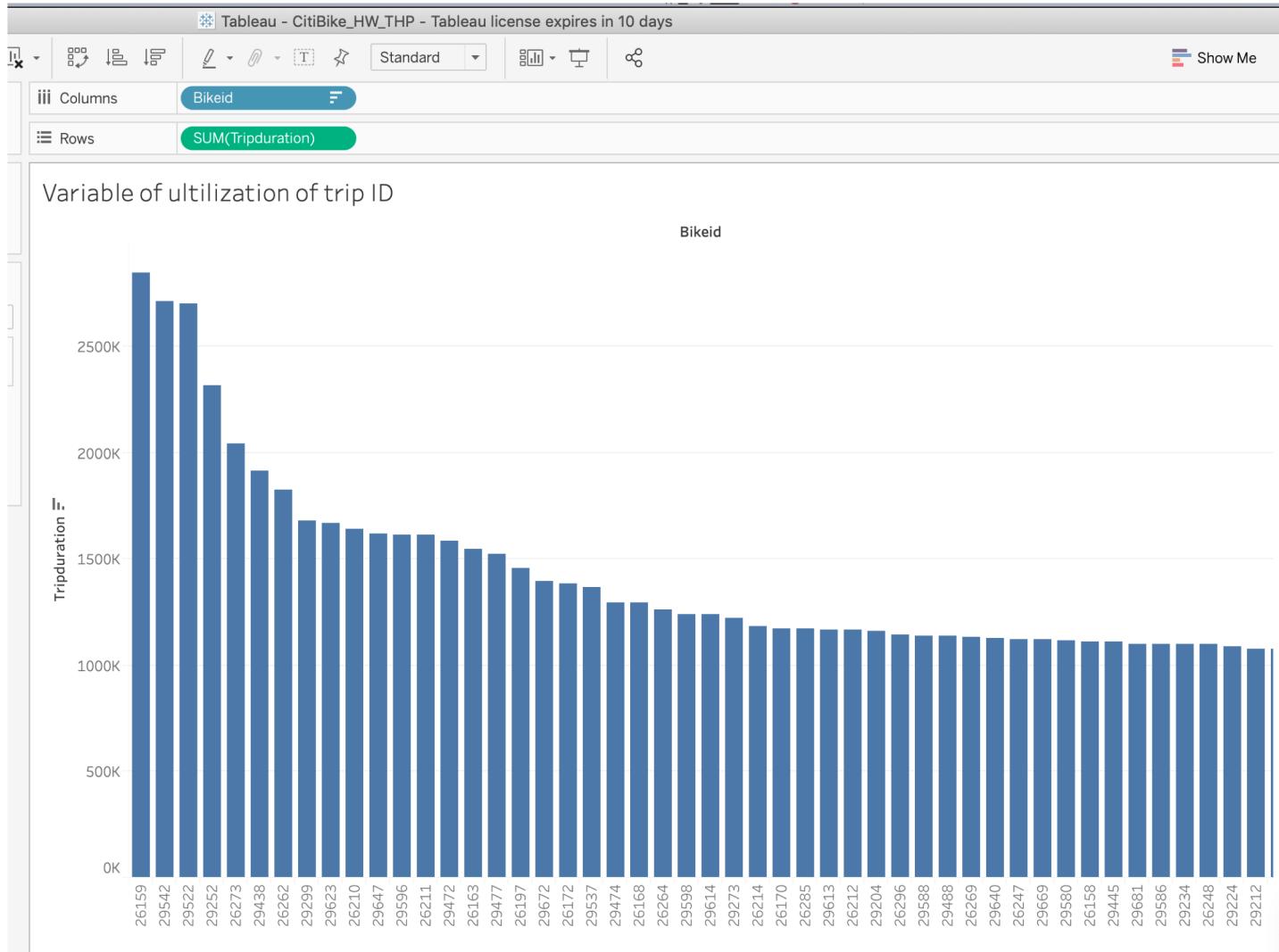
Similar patterns as in summer  
but less riders per hour than in the  
Summer, which makes sense

# Ages vs Trip duration



It seems that there are two Popular age range: 47 yo and 20 yo are the most active ages with highest trip duration

# Variable of utilization of TripID



# Changes of Short-Term vs. Subscribers usage

