

01/04/2020 12:16 AM

Jonathan, Ahmeda:

My Tableau HW has been past due.

I found some time and worked on it during the break.

Unfortunately, Tableau does not seem to be working for me. I had started out on Tableau Public and some work is for sure still sitting at Tableau Public. However, to me, it appears that Tableau is having problems dealing with lots of data. A couple of screen shots showing such problems are included. I have several more.

Assuming that the time out is happening because the data files are local and Tableau is "Public" I then re-loaded Tableau as trial version. The resulting ".twb" files are now located at my laptop's C drive.

However, there is no help with the execution time. It takes long time and then program stops working.

I certainly can not submit the Dashboard as Tableau Public file. All I can do is to show some of the charts that were going to be part of my story board. I had selected data from 2013 and 2019 to show how the growth has happened and any good and bad related to this growth.

Another interesting computation I did was to calculate distances between start stations and returning stations using the Longitude and Latitude for each and then to show the patterns of how the pickups and returns are same stations or different ones.

Additionally, I have attached a slide that shows an application and use of Tableau in a real life situation.

One of the activity that has been taking up bunch of my time is that I am doing some pro-bono work in a Congressional District Primary Campaign. This work is being done for Texas Congressional District 07.

Using the data provided by Harris County containing over 400K registered voters, I have created a map showing the Zip Codes within the TX-CD07 and then show strength of voters within each Zip Code.

What I hope is that all of the above suffices as HW20 and I can stop worrying about it.

I have placed whatever I can (including this document) at the Git Hub repository. I will get in touch with you both at the Saturday 01/04/2020 class and see whether this is acceptable or not.

Thanks & Regards,

Rashid Khokhar

# Problems I am Having with Tableau

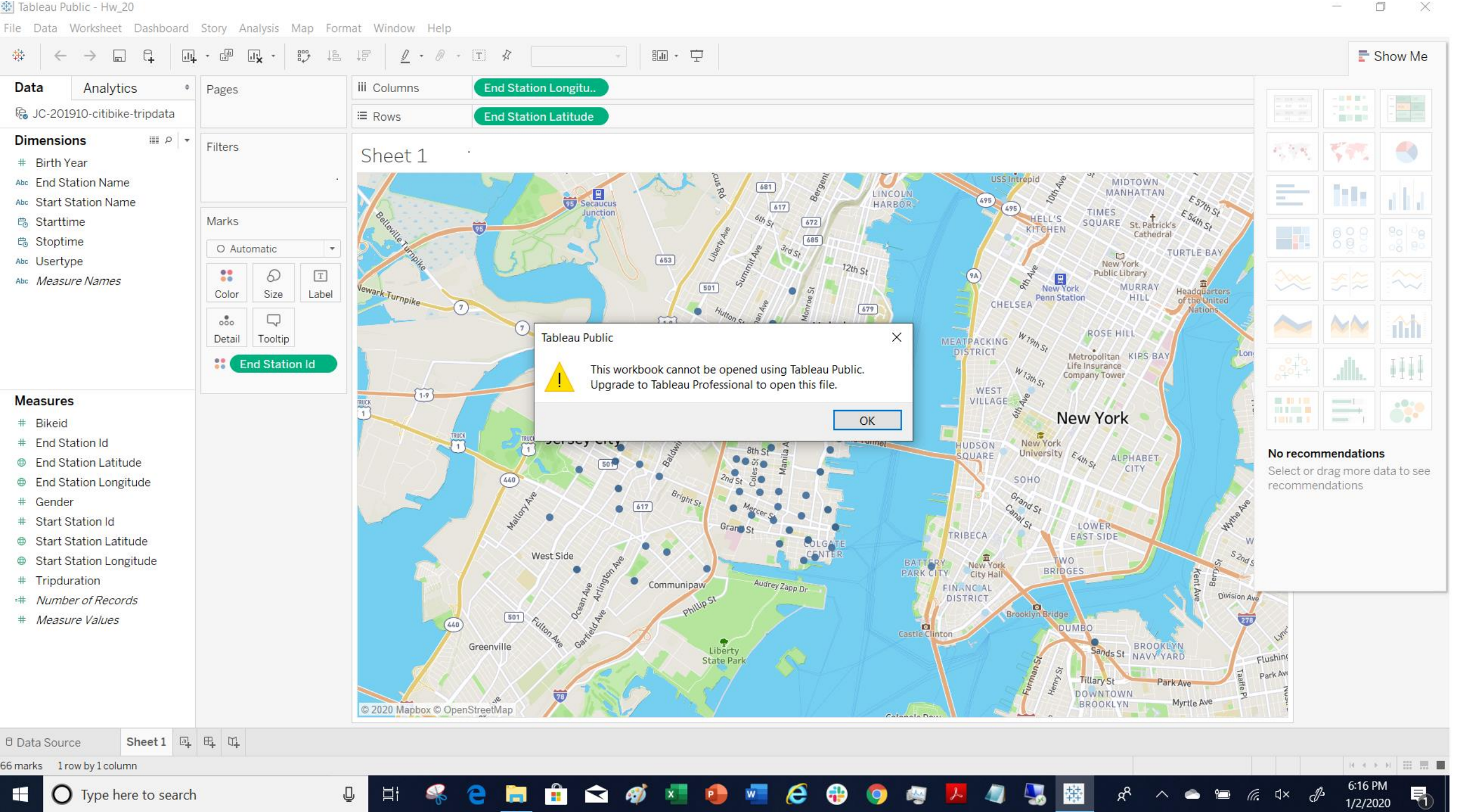


Tableau - HW20\_VerC - Tableau license expires in 2 days

FileDataWorksheetDashboardStoryAnalysisMapFormatServerWindowHelp

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Locations in 2013

Locations in 2019

Stations Growth

Bikes Growth

Objects

HorizontalVerticalTextImage

Web PageBlankButtonExtension

TiledFloating

Show dashboard title

Biking .... No where butNew York!

Processing Request

Executing query.

Elapsed time 05:12

Cancel

Data SourceLocations in 2013Locations in 2019Stations GrowthBikes GrowthDashboard 1

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An error occurred while communicating with Tableau Data Ext...X

Unable to connect to the server. Check that the server is running and that you have access privileges to the requested database.

Error Code: 3834CEBA

Hyper API: Could not connect to the Hyper server. Could not connect to the Hyper server.: The system cannot find the file specified. (0x00000002/2) Is the server running locally and accepting connections on named pipe '\\.\pipe\[92B02A72-6094-4ED2-B81B-A82E0F255E75]'?

Go to Support

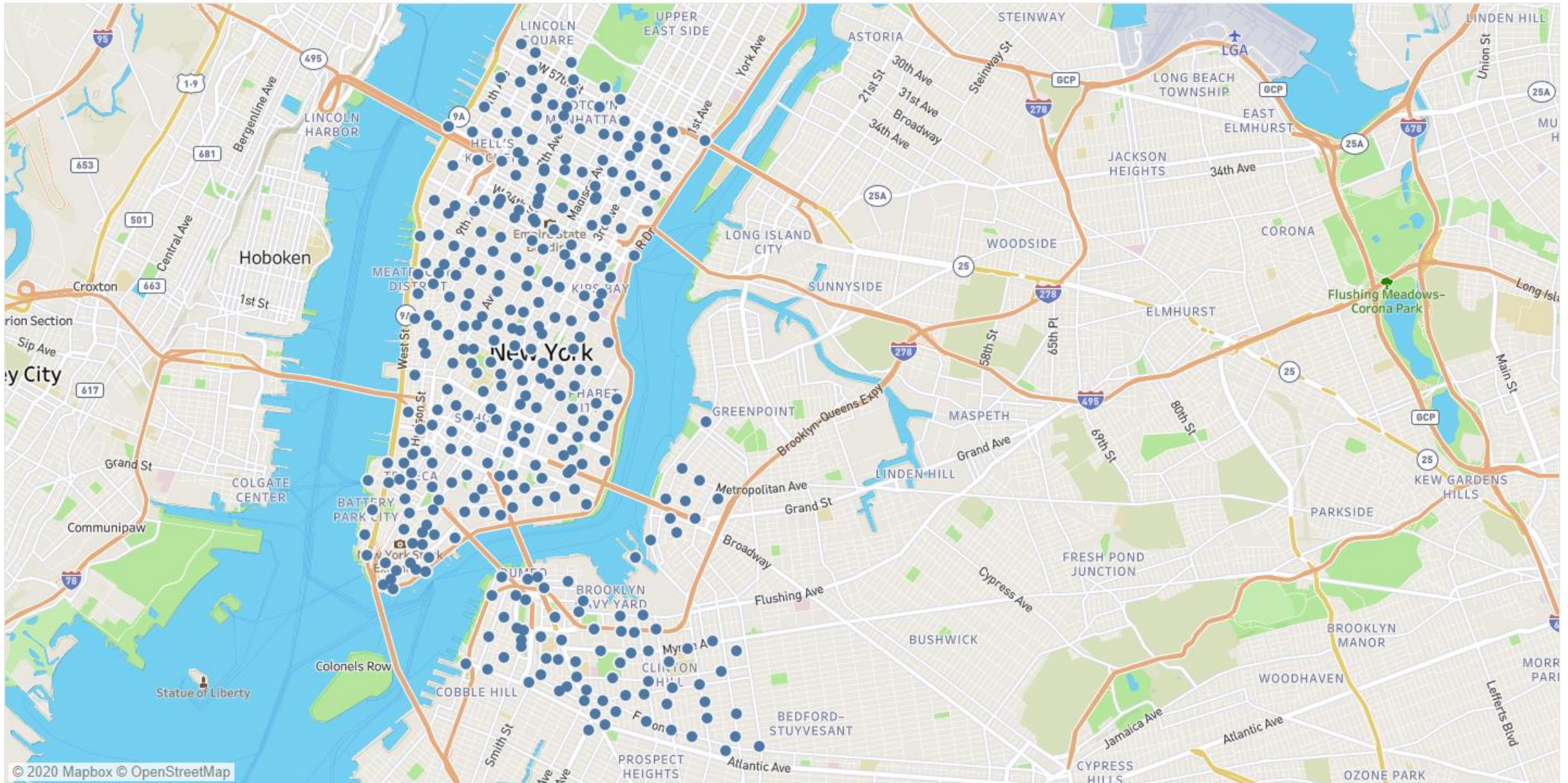
Copy Error Message

Data SourceLocations in 2013Locations in 2019Stations GrowthBikes GrowthDashboard 1

Images That Were Going to  
be Part of the Dashboard



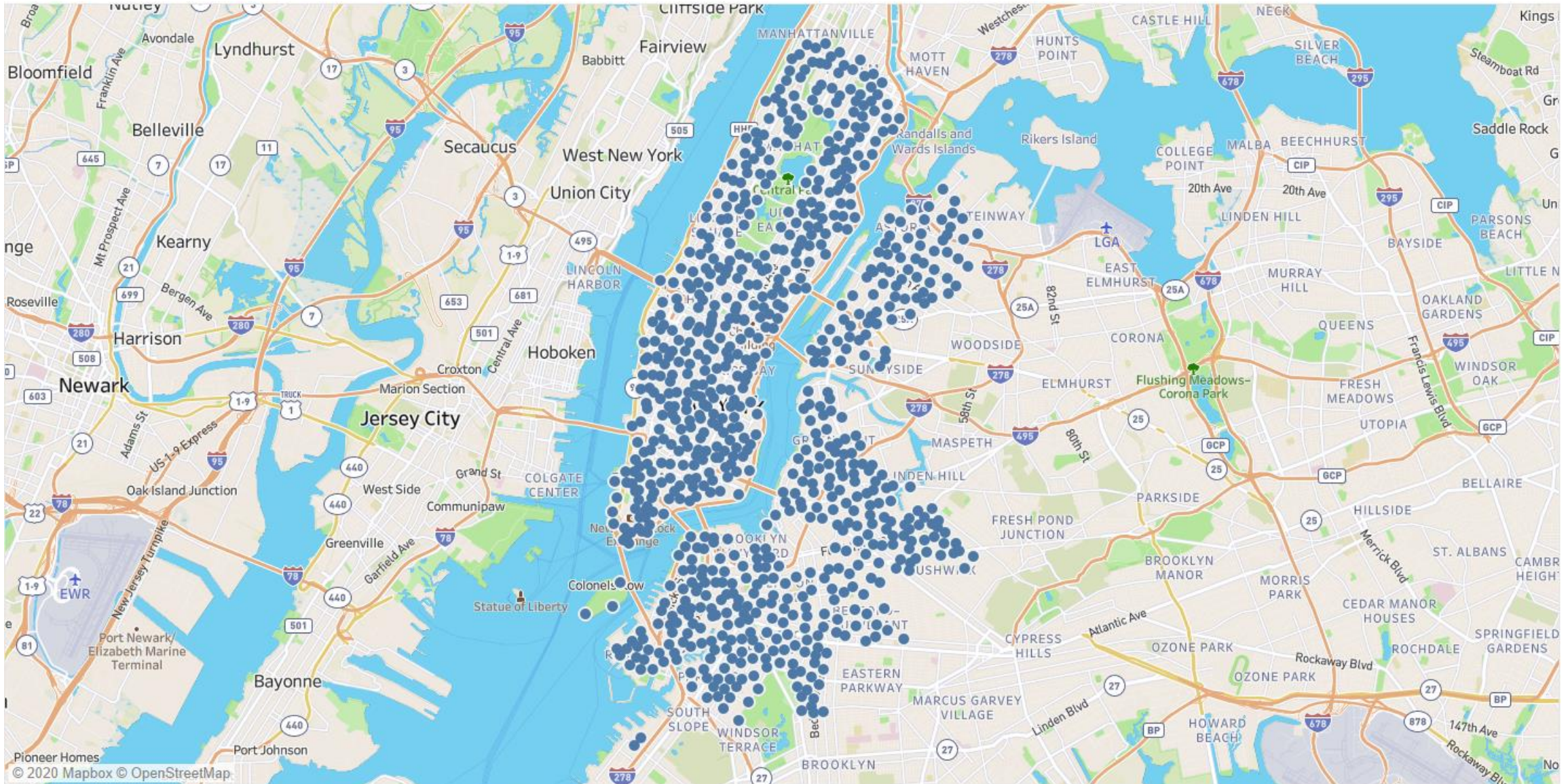
Bike Stations circa July 2013



Map based on Start Station Longitude and Start Station Latitude.



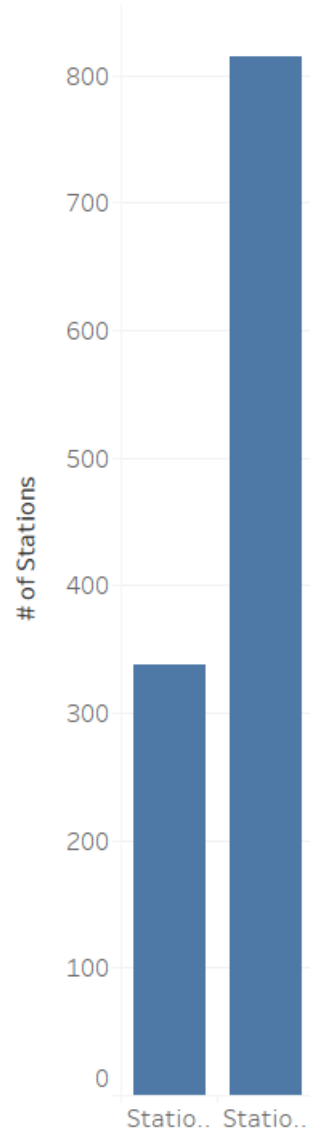
## Bike Stations Circa October 2019



Map based on Start Station Longitude (201910-Citibike-Tripdata.Csv) and Start Station Latitude (201910-Citibike-Tripdata.Csv). The view is filtered on Exclusions (Start Station Latitude (201910-Citibike-Tripdata.Csv), Start Station Longitude (201910-Citibike-Tripdata.Csv)), which keeps 814 members.

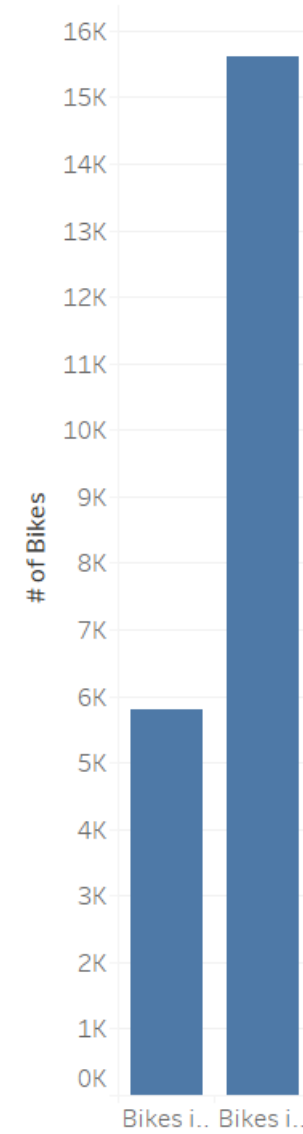


### Stations Growth



Stations in 2013 and  
Stations in 2019.

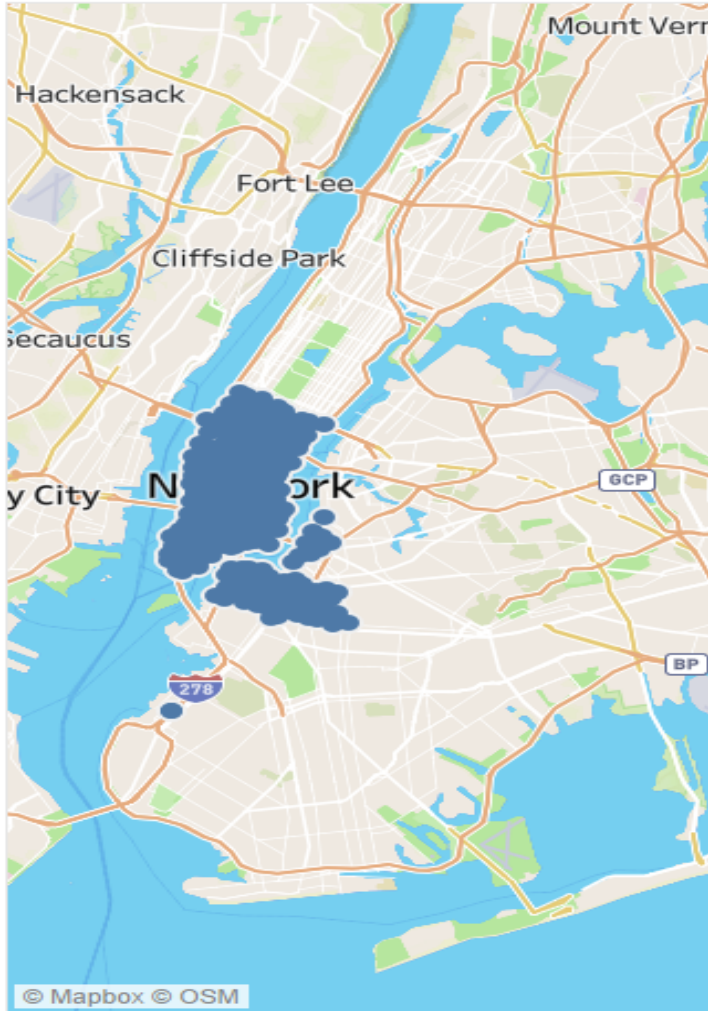
### Growth in # of Bikes



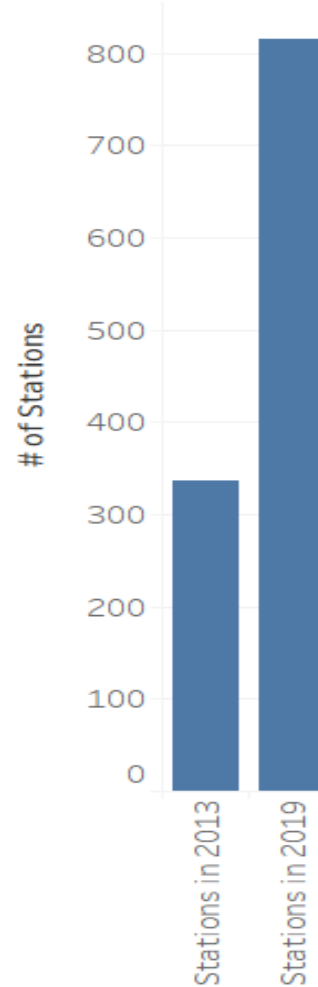
Bikes in 2013 and Bikes in  
2019.

# Biking .... No where but **New York!**

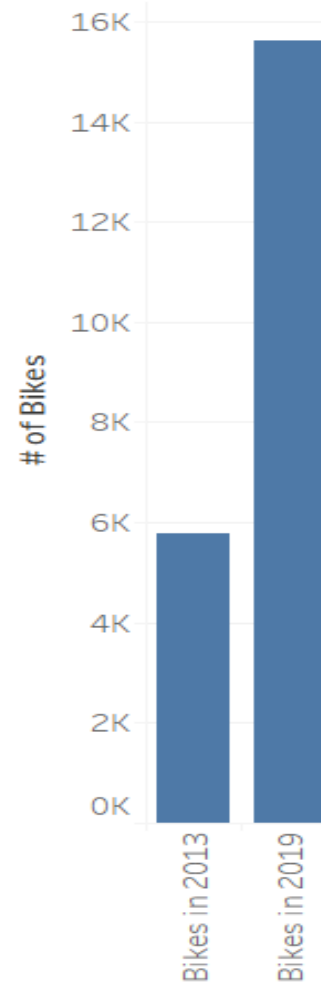
Bike Stations circa July 2013



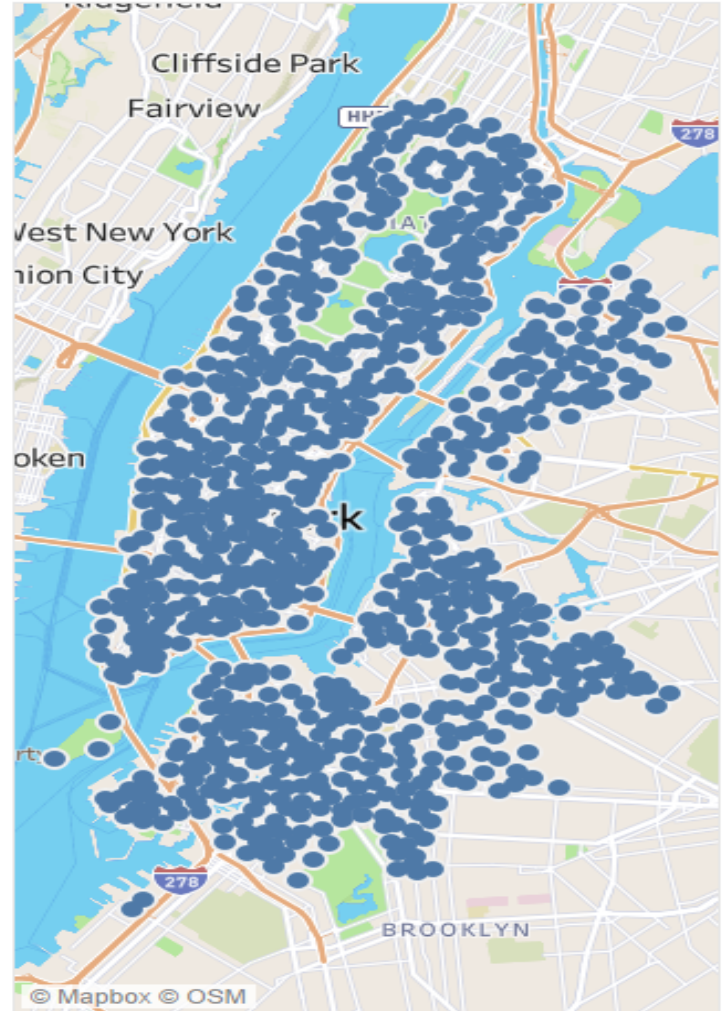
*Stations  
Growth*



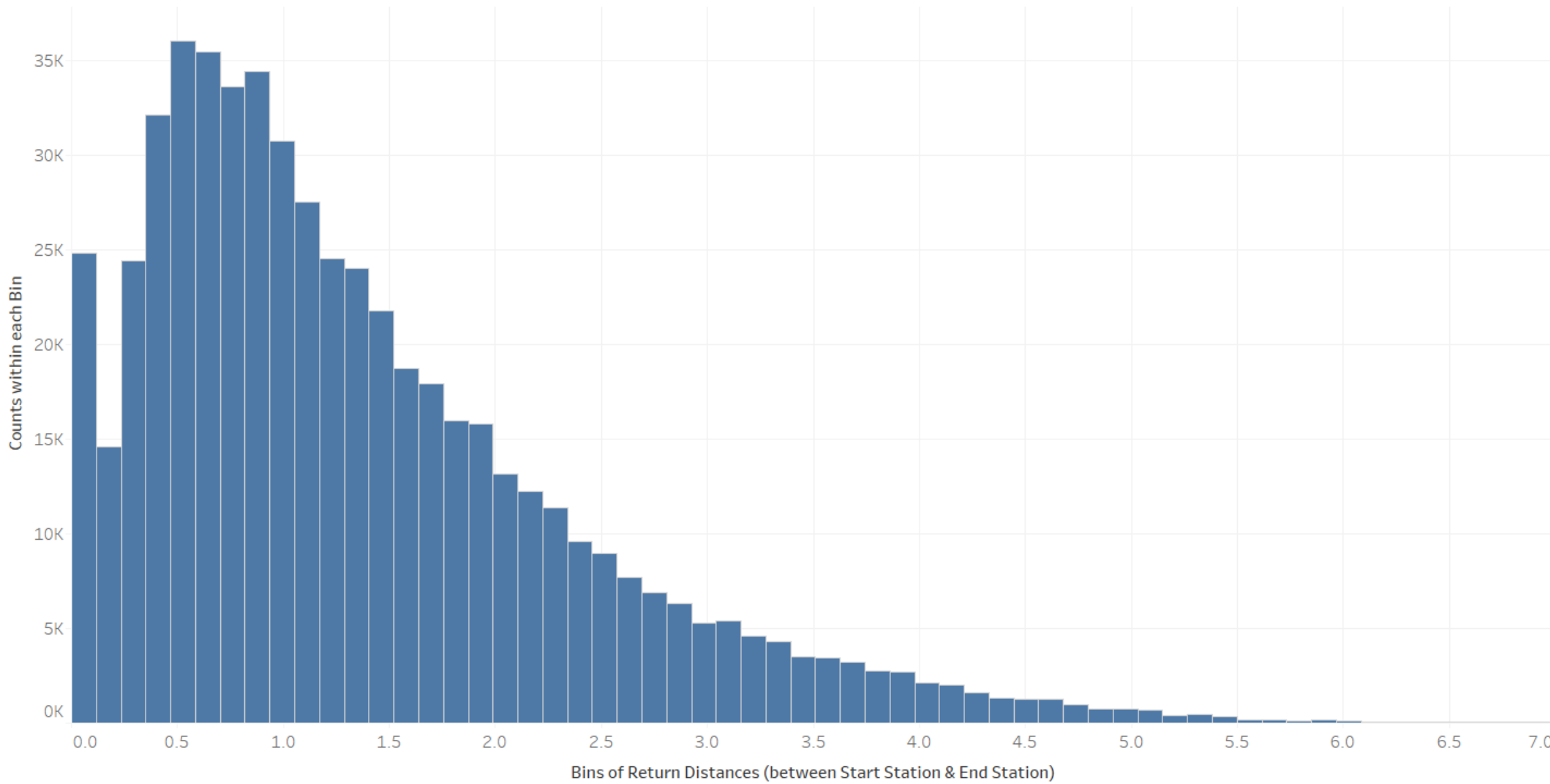
*Growth in #  
of Bikes*



Bike Stations Circa October 2019



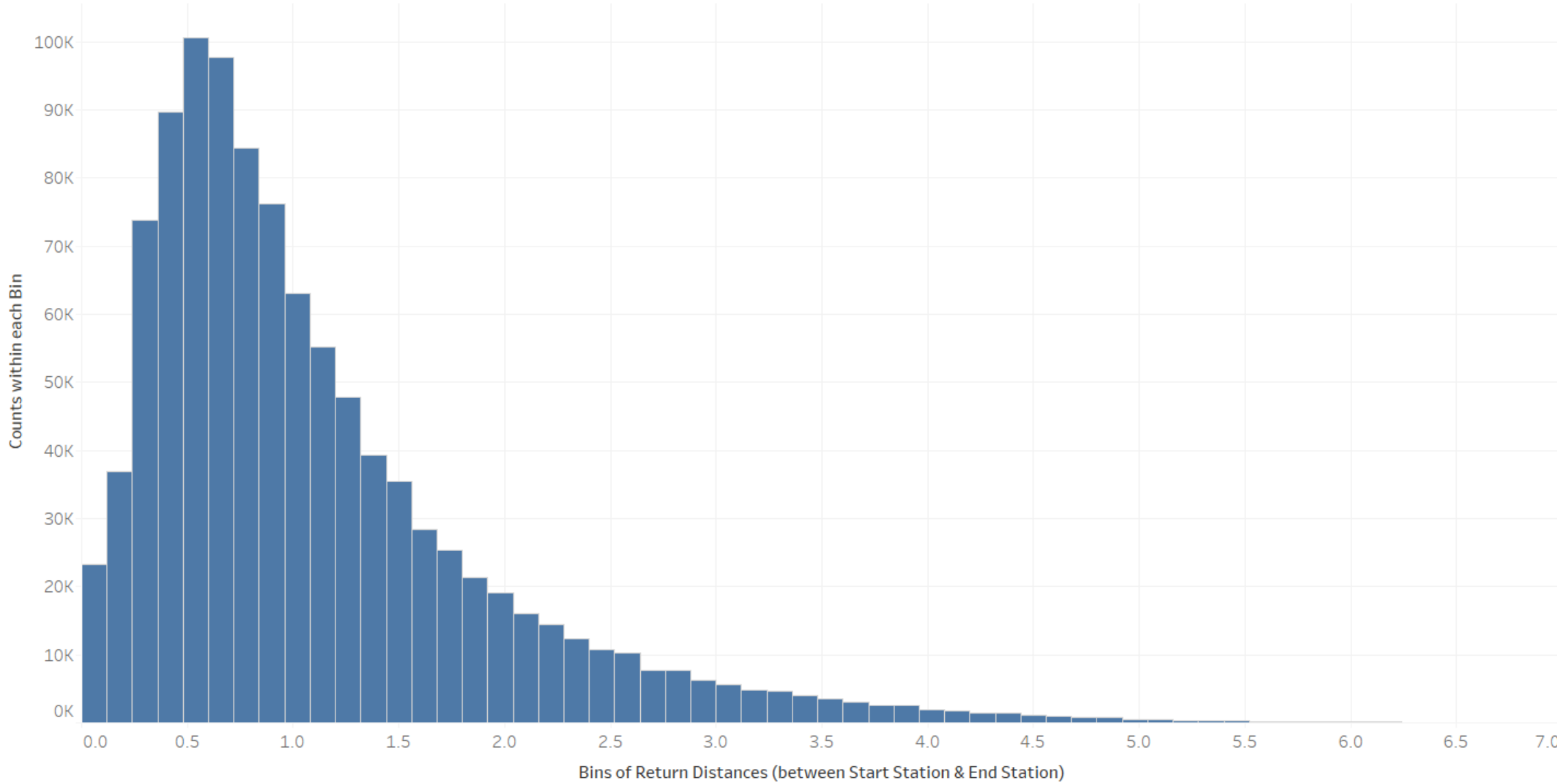
2013: Distribution of Distances between Start & End Stations



The trend of count of Return Distance for Return Distance (bin).



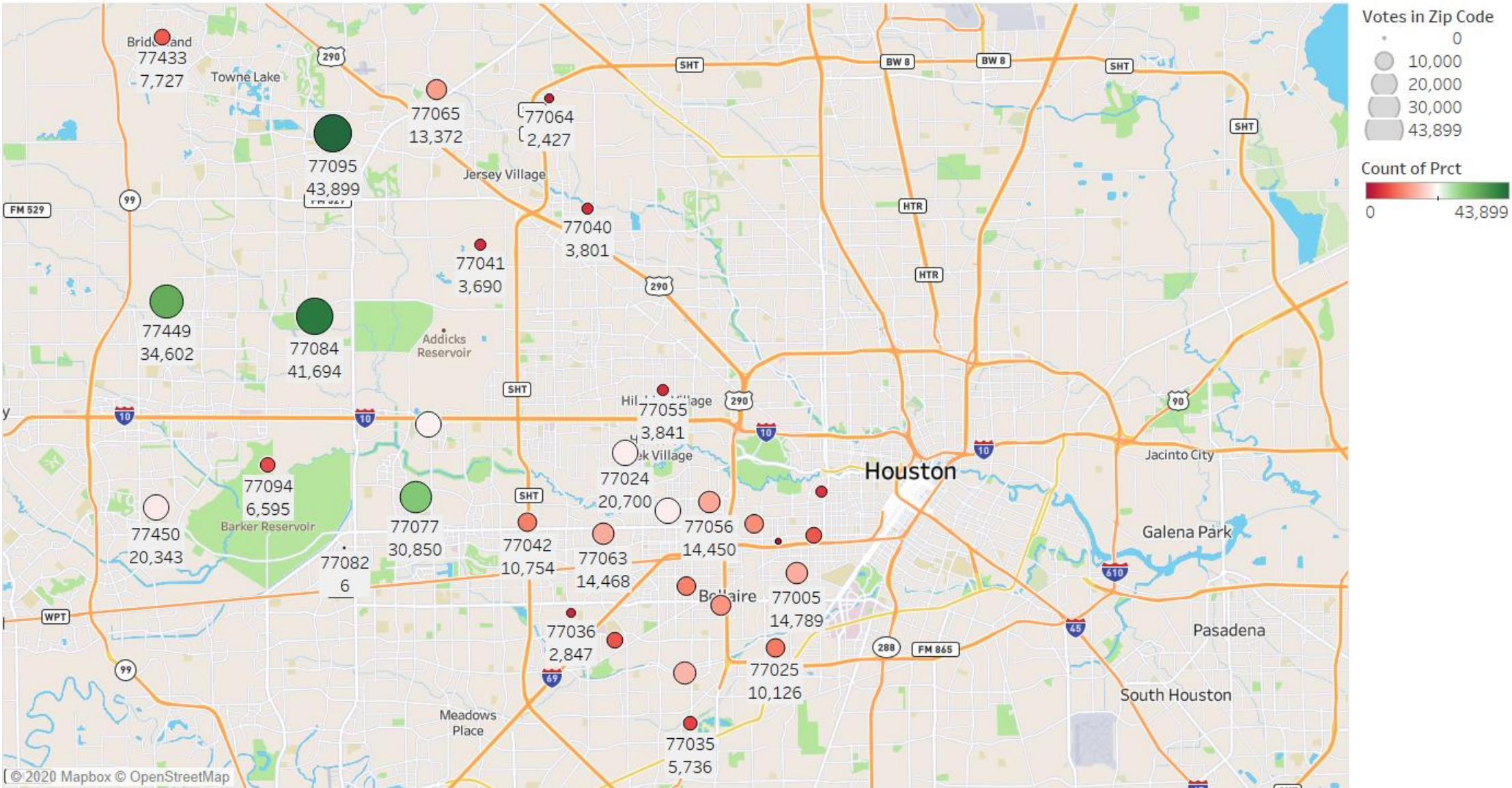
2019: Distribution of Distances between Start & End Stations



The trend of count of Return Distance for Return Distance (bin).

An Example where I was using  
Tableau in a Real Life Situation

## CD-07 Zip Codes & Voters' Totals



Map based on Longitude (generated) and Latitude (generated). Color shows count of Prct. Size shows count of Prct. The marks are labeled by ZIP and count of Prct.