1. How to fix the relative scale of make point markers? E.g. when the map gets zoomed in, markers proportionately get bigger just like other features on the map
2. How to change the markers’ appearance when a marker gets clicked on? (the one gets clicked is highlighted with the others get slightly faded out)
3. How to get tooltip for each marker when these markers are not stored in an array?
4. How to convert format of time to timestamp?
5. How to customize the format of the background map?
6. How to change the style of the marker according filter results?
7. How to make the size of the marker proportionate?

Thoughts:

1.a panel for individual information for each station; a panel for filter customizing (for station);

A panel for aggregated statistics; a panel for trips?

2.display the station according to the statistics in default

3.add neighborhood/census tract information and a filter according to it

4.maybe do not map out routes, instead using polyline to connect those stations?

Divide the situations into round trips and one way?

5.how to leave the caret? After changing the value?

**Add some modal page to explain the website and what could be done showed up once people get into that page**

**Add statistics based on the filter: how many stations fall into the bracket that the user chose?**

**More styles**

**Change the hide/show function to toggle?**

**Docking information to confirm**

**(seems to have realtime data)**

**Something to think about: map out the ten most popular trips just by leaflet(no need to simulate the routes, could just do the polyline)**

**Show the line in different weight based on the number of trips**

**Mouse on mouseout problem needs to be solved (just cannot fix it…)**

**Deal with bad request**

**A panel for inbound/outbound (different map)**

**Hottest route (different map)**

**Location search!!!**

**If time allows (duration? Realtime tracker (the data is real time!!!!!)? Time series (period during a day, weekday vs weekends seasonal comparison))**

**The position for id 3057 seems not right**

**Filter:**

1. **total number of rides (customized, setup range (some statistics consideration?), below average/above average, percentage of total rides)**
2. **outbound/inbound/round trip**
3. **percentage of round trip (range? Below average/above average)**
4. **some aggregation based on districts?**