Citi Bikes Analysis

Using data from New York City on January 2020, I wanted to get information on the kinds of people who use these bikes. There are 5 parts to this analysis, they are: Types of Users and the amount of Trips, Gender/Age Trips, Top 10 Stations, Top 20 Station Maps, and Trip Duration per Station.

Types of Users and the amount of Trips:

For this part, I wanted to see the type of users in terms of the kind of user, whether they are subscribed or not, their gender and age.

* Looking at the graphs, there a lot more 12 times more subscribers than none scribers using Bike Citi.
* Gender-wise, there are a lot more men using these bikes when compared to women.
* Age-wise, there are more people in the 30s range who use this bike followed by 20s and 40s.

Gender/Age Trips:

For this part, I wanted to compare gender and age groups to the amount time they take on their trips.

* Looking at the graph, it is easy to tell that men in their 30s are more likely to take longer trips.
* Men are typically taking longer trips in most age groups when compared to women and those classified as unknown.

Top 10 Stations:

For this part, I wanted to see which stations are the most commonly used to start and end.

* 5 Ave & E 126 St was the most common starting station for the month of January having had more than 400 trips start there.
* 1 Ave & E 16 St was the most common ending station for the month of January, with 1 Ave & E 68 St being a close second.

Top 20 Stations Maps:

For this part, I wanted to see the top 20 starting and ending stations on a map, to see if there was anything special there.

* When looking at the graphs, it’s easy to see that a lot of the starting stations were pretty close together. The same could be said for the ending locations.
* Another thing that is noticeable is that there are no station on the right side of the river that made it into the top 20, for both starting and ending.

Trip Duration per Station:

Lastly, for this part, I wanted to compare starting and ending stations in comparison to age groups and trip duration throughout the week.

* A noticeable thing on these maps is that despite people in their 20s being the one who use these bikes more, for trip duration people in their 50s have the longest trip durations in certain stations.
* People in their 20s however are most likely using many more stations as we can see more small dark blue dots scattered everywhere when compared to other ages.