**CITI BIKE ANALYSIS DATA**

The purpose of the analysis is to have an outlook of the Citi Bike bicycling system in pandemic times in order to have a better understanding of how the current pandemic has affected the use of the service. The analyzed period goes from about the starting of the pandemic to present days (202001–202010), compared to the same period of the year before (201901-201910).

* There has been a total decrement of the service of -14.27%. The result was calculated counting the total trips for both periods and getting the difference in percentage.
* The most affected month was April, but there has been a sustained recovery since then.
* Although the increment of short-term users (146.8%), there is an important decrement in the number of annual memberships as well (-34.4%).
* The use of the service has significantly dropped between male population versus female population, -28.57% and -3.74%, respectively.
* Regardless the total number of trips have diminished, the total trip duration grown in 84.64% and the average trip duration increased in 115.38%. New calculated fields were created in order to convert the trip duration from seconds to minutes and to hours.
* The age group where the use of bikes is more extended goes from 31 to 40 years. A new calculated field was created to calculate the age of the user based on the year of birth. Additionally, some groups were created for having the users classified by age.
* When mapping the start and end stations points, apparently, popular start stations are the same points for popular end stations, having the same behavior for 2019.
* The previous assumption can be verified in the bubble charts, where the top start and end stations are displayed.
* Dashboard “2019 vs 2020” is a quick view for comparing relevant figures.
* Dashboard “During Pandemic” is another view only for 2020 figures.