

City bike Analysis.

During the period between December 2022 and September 2023, there was a total of 805,526 trips. During the summer period from June to September the peak hours were between 5 and 7 pm. Reaching the peak at 6:00 pm. In the other hand in winter were from 4 to 6 pm., reaching the peak at 5:00 pm. Thru the year the number of trips start to increment in February and reach its peak in August, when start to decrease, this behavior of the consumers could be attributed to the change in the weather and temperature with the beginning of fall followed by the winter.

Most of the trips are taken by members, whose trips are mostly short, typically less than 10 minutes. That is to say, it can be inferred that members mostly move within a relatively small area. In contrast, casual users' trips are more sporadic and longer in duration, but in less number.

The most popular stations are: HB101, HB102, HB103, HB105, and JC115. These stations are located in the zip codes 07030 and 07302. Due to the fact that most of the trips are short and occur between these stations, the bikes located in these places are the ones that would require more maintenance and inspection.