Project Development Phase
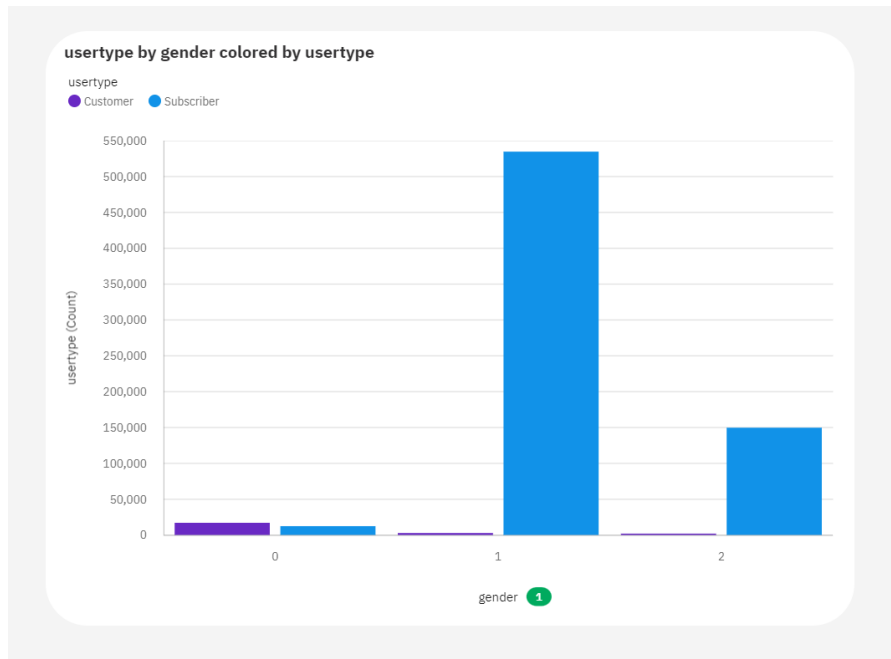
Sprint 3

Date	12 November 2022
Team ID	PNT2022TMID23401
Project Name	A new hint to transportation - Analysis of the NYC bike share system

<u>Analyzing user data</u>

1.Total Number of Trips
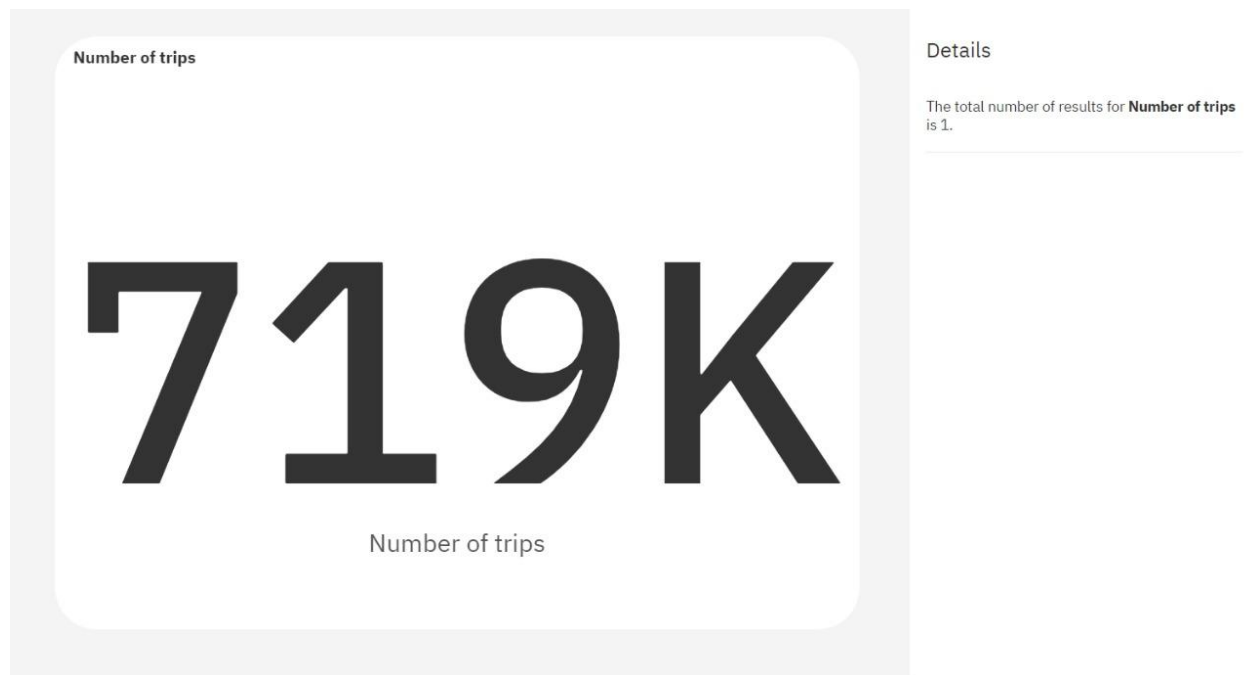
2.What is Customer and subscriber with gender

usertype by gender colored by usertype

usertype
● Customer ● Subscriber

usertype (Count) — gender 1

Details

The total number of results for **usertype**, across all **genders**, is nearly 719 thousand.

The most common value of **gender** is 1, occurring almost 538 thousand times, which is 74.8 % of the total.

The most common value of **usertype** is Subscriber, occurring nearly 697 thousand times, which is 96.9 % of the total.

3.Find the top bike used with respect to trip duration

tripduration by bikeid
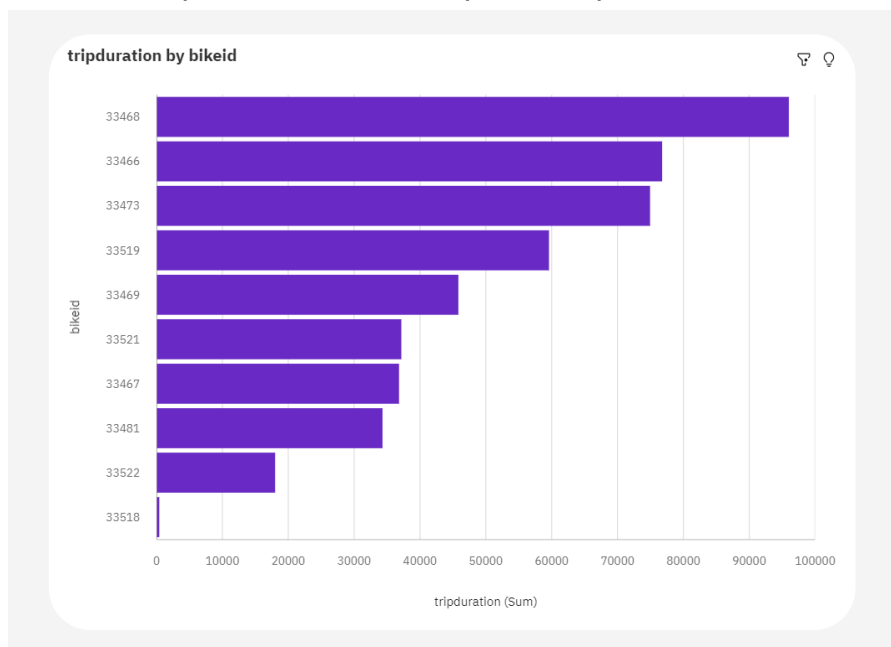
Details

Over all values of **bikeid**, the sum of **tripduration** is almost 480 thousand.

tripduration ranges from 418, when **bikeid** is 33518, to over 96 thousand, when **bikeid** is 33468.

tripduration is most unusual when **bikeid** is 33468 and 33518.

4.Calculating the number of bikes used by respective age groups.

Count bikeid and birth year (Group)

birth year (Group)	Count bikeid
>55	133,999
41-55	257,857
31-40	248,723
21-30	78,415
Summary	718,994

5.Top 10 Start Station Names with respect to Customer age group

birth year (Group) by start station name

Details

The total number of results for **birth year (Group)**, across all **start station names**, is 10.