

CitiBike Covid Participation

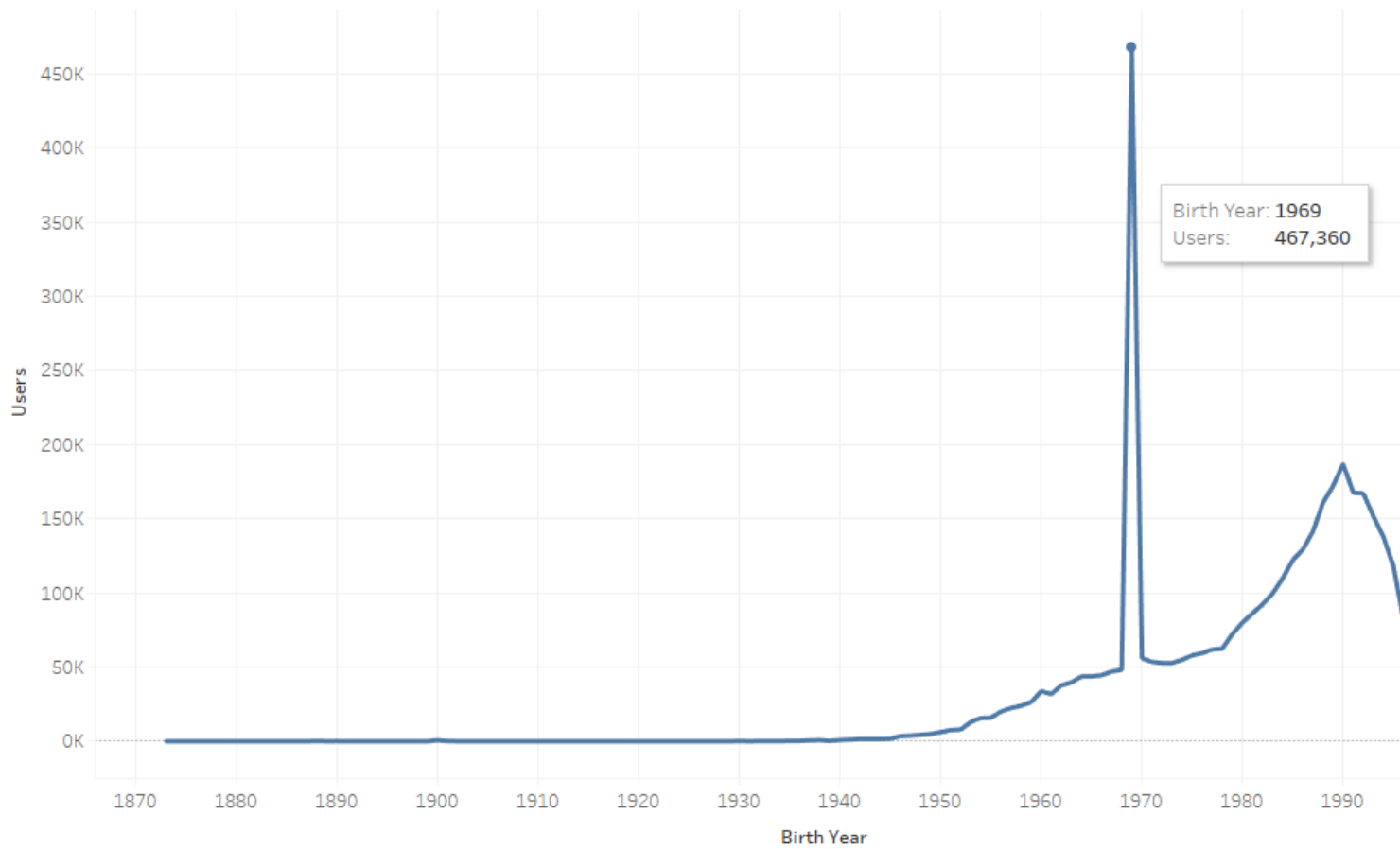
Initially, I had set out to research citibike data pre, during, and post Covid for the month of June. It appears that they changed their data set, so I could not compile all the data I wished to research. I was able to review the data for the years 2019 & 2020. I used Jupyter Notebook to import and combine data from 2019 & 2020. I then converted the gender column from 0,1 & 2 to unknown, male and female. After loading the data into tableau, I made the following discoveries.

User Count by Birth Decade

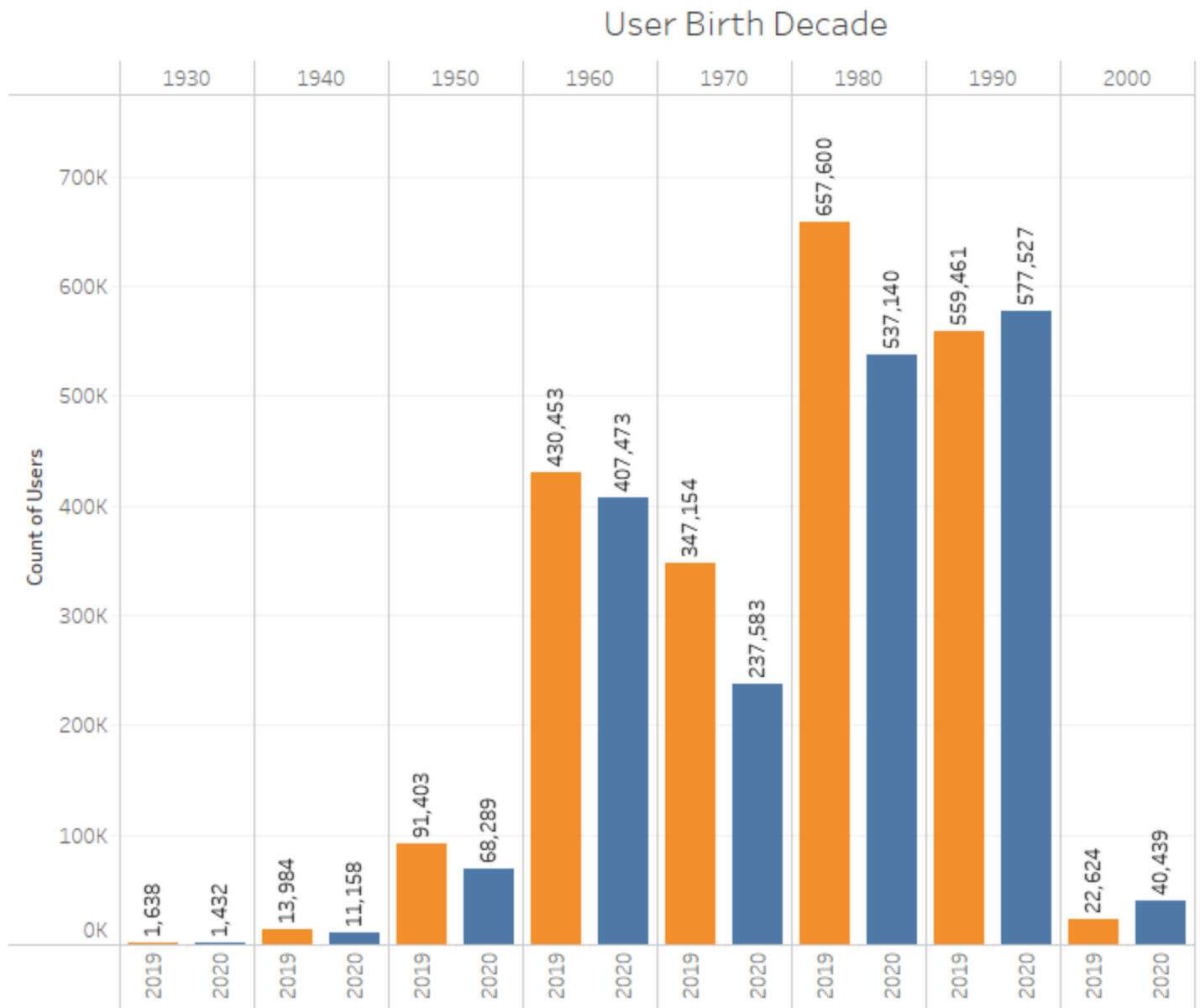
Birth Decade	Avg. Age	Users
1870	147	24
1880	133	370
1890	126	361
1900	120	921
1910	105	363
1920	95	246
1930	84	3,070
1940	74	25,142
1950	64	159,692
1960	53	837,926
1970	45	584,737
1980	35	1,194,740
1990	27	1,136,988
2000	19	63,063

It appears that the user age data is flawed, or New York should now top the list of the world's oldest, healthiest people.

Users by Birth Year

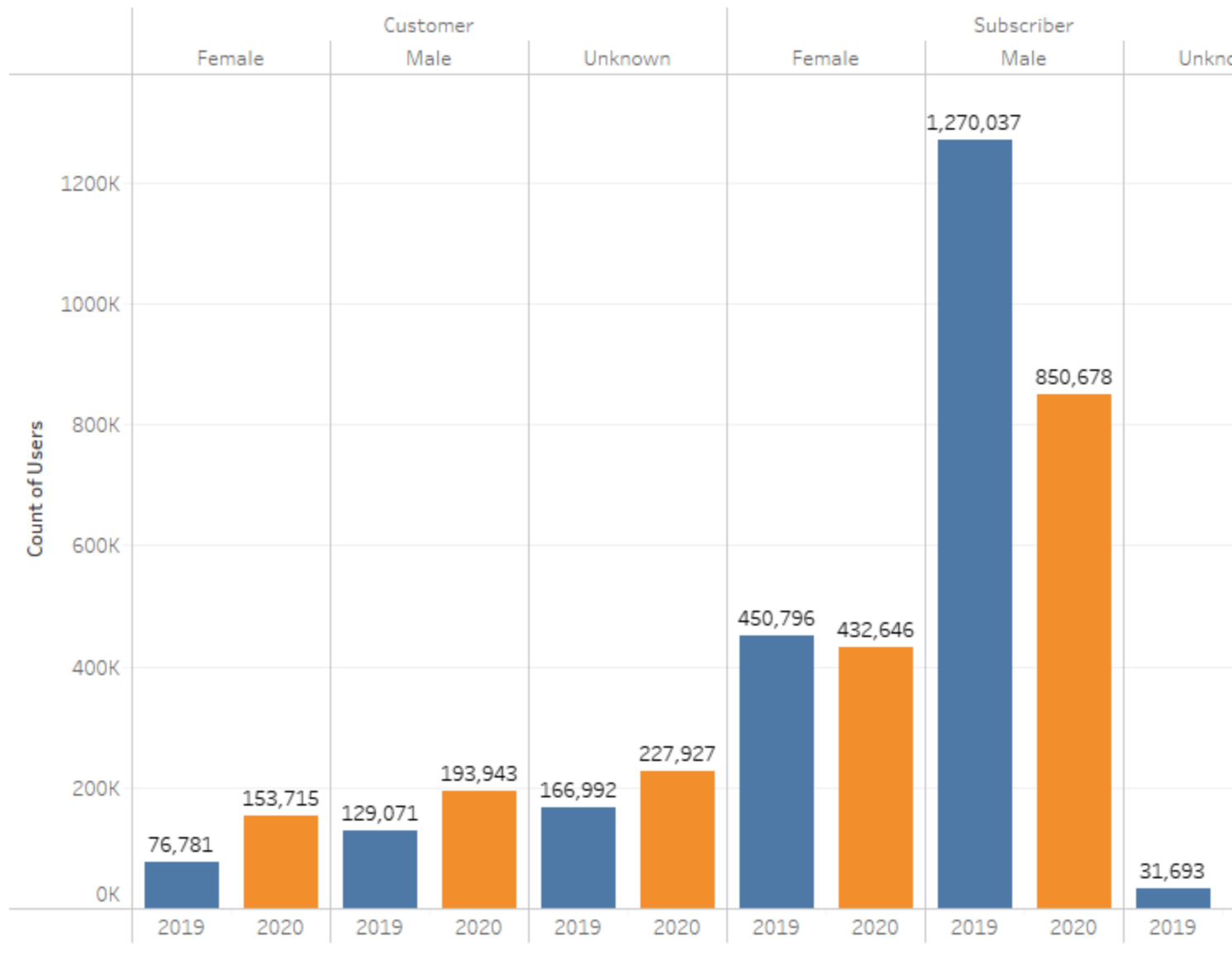


The data indicates that users are entering an age that isn't quite possible, or they are entering an age that they find humorous (reference the year 1969).



The data suggest that users born before 1990 declined during Covid, and users born in 1990 or beyond increased during covid. This could indicate that older users were being more cautious about the disease and that the illness's consequences less influenced younger users.

Trip Data by Gender & Customer Type



Users subscribing to the citibike serve decreased during Covid, suggesting that users believed this to be a short-lived phenomenon.

Synopsis

Covid had a significant impact on the citibike program, which was expected given its effects on the rest of the world. Everyone's life was/is altered in some form or fashion. It would have been interesting to see if the trend would have shifted back to pre-Covid norms if we could have pulled in June 2021 data.

