Readme document

1. **Dataset**

This was a very interesting project and also a very important one for a data analyst. For this project I used the Ford GoBike System Data.

2. **Findings**

One of our findings was that the costumers category has a higher average of trip duration (23.8 min.) compared to the subscribers category (10.6 min.). It was noticeable that trips with the longest duration were taken by the user group costumer especially on Tuesday and wedesday. This was rather unexpected as one would expect users without subscription use the bikes for recreation and mainly on weekends.

Number of trip taken by user group costumer is comparable over all week days whereas trips taken by user group subscriber were rather fluctual, with lowest counts on tuesday and Wednesday and increased number of trips on the rest o the days.

There was a slight difference in age of user between trips taken on Tuesday/Wednesday and the rest of the days with users being about 2 years younger on these two weekdays compared to the rest.

3. **Key Insights for Presentation**

There is no linear correlation between trip duration and age, however it is noticable that there is a gradual decrease in trip duration above the age of 50. On the other hand we have noticed the the highest amount of trips and at the same time the longest trips are taken between the age of 30 and 40. One of the insights is that the longest trips are more likely to happen between the age of 30 and 40.

4. **List of resources used during the creation of the project.**

1. How to Make a Seaborn Barplot - Sharp Sight (sharpsightlabs.com)
2. position of the legend plt Code Example (codegrepper.com)
3. https://www.codecademy.com/articles/seaborn-design-i
4. https://seaborn.pydata.org/generated/seaborn.barplot.html
5. http://seaborn.pydata.org/tutorial/categorical.html?highlight=bar%20plot
6. https://www.tutorialspoint.com/matplotlib/matplotlib_bar_plot.htm
7. https://seaborn.pydata.org/generated/seaborn.stripplot.html