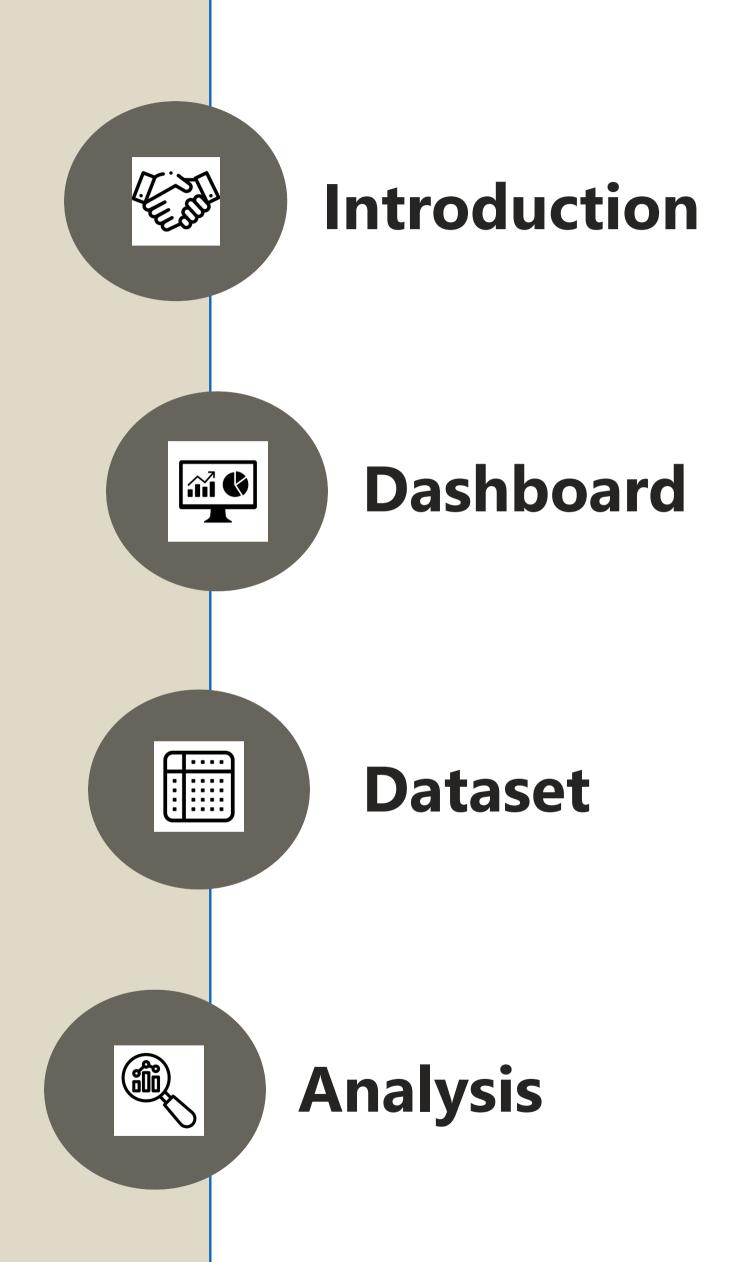
Cyclistic bike-share analysis















INTRODUCTION

This case study presents a data analysis project conducted as part of the Google Data Analytics Professional Certificate course, Capstone Project, focusing on Cyclistic, a bike-share company.

As a data analyst in the marketing analyst team, the objective is to develop a new marketing strategy to convert casual riders into annual members. The study follows the data analysis process, encompasses the steps of asking relevant questions, preparing the data, processing and analyzing it, sharing insights, and suggesting actionable recommendations.

This article specifically addresses the initial question of understanding the differences between annual members and casual riders. By leveraging data analytics techniques, the study aims to uncover key insights that can inform targeted marketing tactics and drive the conversion of casual riders into annual member.













DASHBOARD __

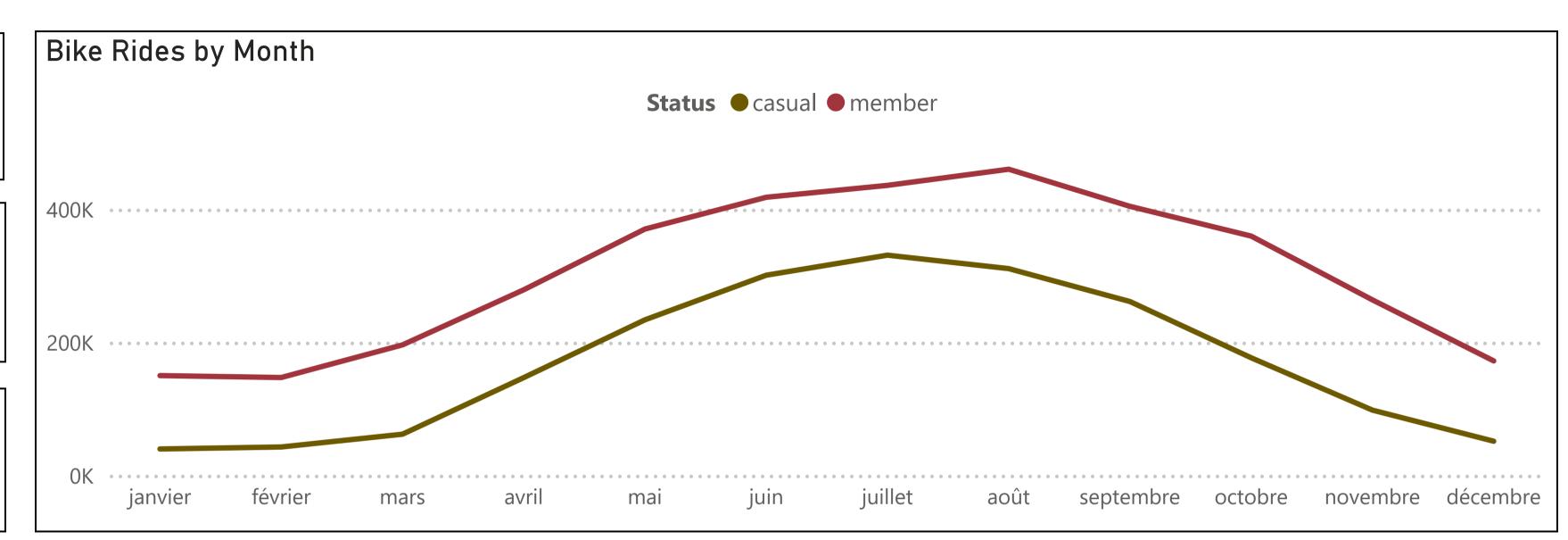
5,7MNumber of ride

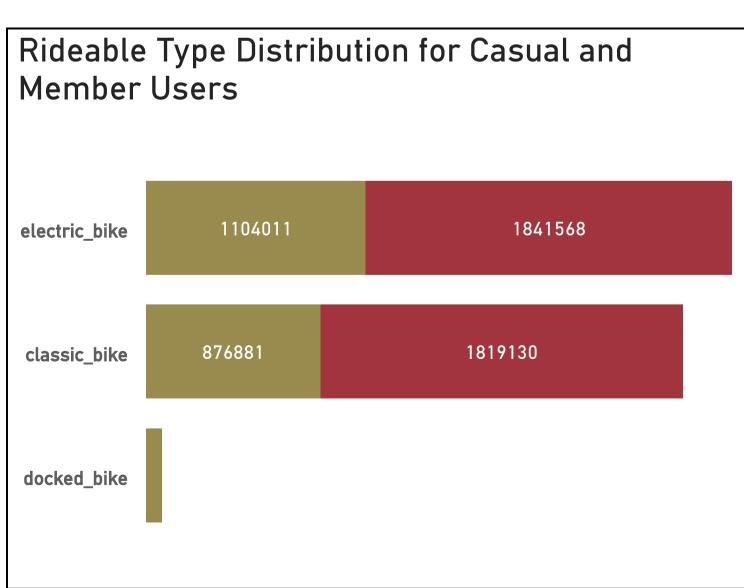
98,49K

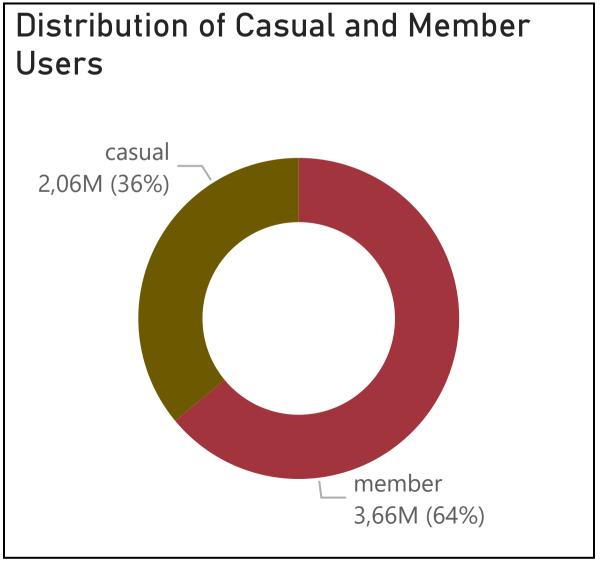
Max minutes

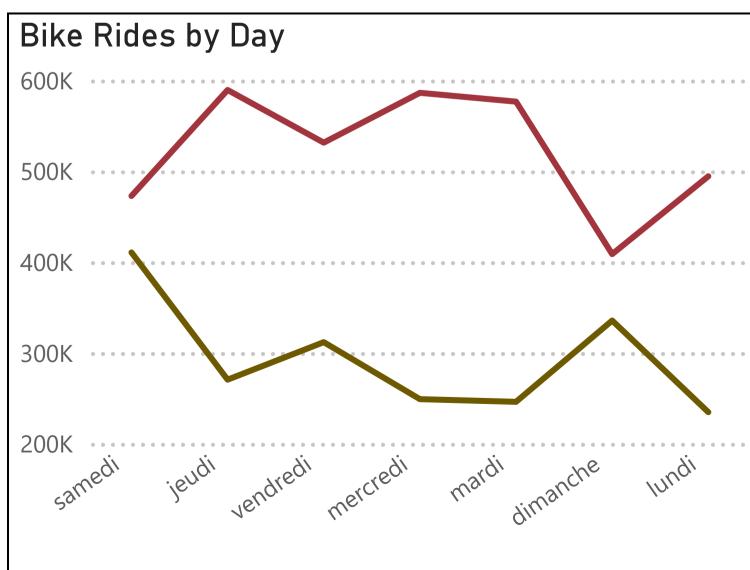
18,17

AVG ride_lenght





















DATASET

Status	Rideable type	Rideable type		Mois		
Tout	Tout	~	Tout	\vee		

start_station_name	end_station_name	Count ride	Somme de Total minutes	Somme de ride_lenght	AVG ride_lenght	day_of_we
Streeter Dr & Grand Ave	Streeter Dr & Grand Ave	2457,0	87 207,75	60,56	35,49	samedi
Streeter Dr & Grand Ave	Streeter Dr & Grand Ave	2036,0	78 083,75	54,22	38,35	dimanche
DuSable Lake Shore Dr & Monroe St	DuSable Lake Shore Dr & Monroe St	1937,0	59 022,93	40,99	30,47	samedi
DuSable Lake Shore Dr & Monroe St	DuSable Lake Shore Dr & Monroe St	1549,0	54 666,45	37,96	35,29	dimanche
Streeter Dr & Grand Ave	Streeter Dr & Grand Ave	1399,0	45 765,45	31,78	32,71	vendredi
DuSable Lake Shore Dr & Monroe St	Streeter Dr & Grand Ave	1345,0	34 494,50	23,95	25,65	samedi
Michigan Ave & Oak St	Michigan Ave & Oak St	1180,0	50 896,50	35,34	43,13	samedi
Streeter Dr & Grand Ave	Streeter Dr & Grand Ave	1177,0	43 295,73	30,07	36,78	lundi
Streeter Dr & Grand Ave	Streeter Dr & Grand Ave	1082,0	41 574,27	28,87	38,42	jeudi
Ellis Ave & 60th St	Ellis Ave & 55th St	1079,0	5 706,05	3,96	5,29	jeudi
Ellis Ave & 60th St	Ellis Ave & 55th St	1075,0	7 089,57	4,92	6,59	mardi
Ellis Ave & 60th St	University Ave & 57th St	1066,0	5 871,62	4,08	5,51	mercredi
Michigan Ave & Oak St	Michigan Ave & Oak St	1050,0	47 756,35	33,16	45,48	dimanche
Ellis Ave & 60th St	University Ave & 57th St	1047,0	5 909,30	4,10	5,64	mardi
Ellis Ave & 60th St	Ellis Ave & 55th St	1038,0	5 419,95	3,76	5,22	mercredi
University Ave & 57th St	Ellis Ave & 60th St	1020,0	4 440,90	3,08	4,35	mercredi
Ellis Ave & 60th St	University Ave & 57th St	1010,0	4 130,27	2,87	4,09	lundi
Streeter Dr & Grand Ave	Streeter Dr & Grand Ave	1007,0	36 428,05	25,30	36,17	mardi
State St & 33rd St	Calumet Ave & 33rd St	1005,0	4 576,20	3,18	4,55	jeudi
Ellis Ave & 55th St	Ellis Ave & 60th St	997,0	5 921,58	4,11	5,94	lundi
Ellis Ave & 60th St	University Ave & 57th St	997,0	4 876,67	3,39	4,89	jeudi













ANALYSIS _

Key Performance Indicators (KPIs)

These indicators show a high volume of use of the service, with relatively short average journey times. This suggests that bicycles are mainly used for fast journeys, probably in urban areas. The high overall usage could indicate a good uptake of the service by the population.

Monthly Trends

Bicycle use peaks in the summer and falls in the winter. The warmer months are clearly favourable for usage, which is typical for bike-share services, which are often influenced by weather conditions..

Distribution of Users

A greater proportion of journeys are made by members.

Bike type distribution

Electric bikes are the most popular, followed by classic bikes. The fact that electric bikes are the most widely used means of transport clearly indicates that users prefer more comfortable and more efficient means of transport.

Recommendations:

- Seasonal optimisation: Increase maintenance capacity and availability of bikes during the summer, and develop special offers to maintain interest in winter.
- Subscription Promotion: Target occasional users with subscription offers to convert them into regular members.
- Marketing strategies: Adapt communication strategies to target specific days, such as weekends or holiday periods, based on usage trends.