

Bike Share – Capstone project for the Google Data Analyst Professional Certificate

// Questions prepared and output of queries //

In this file you find the result of the queries I wrote in MySQL for the Bike Share Case Study as a capstone project to obtain the Google Data Analyst Professional Certificate. The queries and analysis you find in the .sql file also in this folder.

The sole purpose of this file is to provide the visual output that I can see in MySQL Workbench when I run the queries I wrote.

1. What's the percentage split between members and casual users?

	member_casual	percentage
▶	casual	40.6440
	member	59.3560

2. What is the average duration of a ride in the months considered? Average overall and per user type.

	member_casual	avg_duration_user	avg_duration_overall
▶	casual	00:24:06.1939	00:17:41.0214
	member	00:13:17.2740	00:17:41.0214

3. What is the average distance between pick up and drop-off? Average overall and per user type.

	member_casual	avg_drop_off_dist_user	avg_drop_off_dist_overall
▶	casual	2.23	2.22
	member	2.22	2.22

4. What is the max and min distance of drop-off for each type of user?

	member_casual	min_drop_off_distance_user	max_drop_off_distance_user
▶	casual	0	9814.06940482014
	member	0	9813.37758110492

4a. How many rides have the start and drop-off location at the same station (drop-off distance = zero)?

	member_casual	count_rides_same_pickup_dropoff	total_rides	percentage
▶	casual	90903	4200433	2.16
	member	43727	4200433	1.04

5. What are the top 3 drop off distances per user type and their start and end station names?

	member_casual	start_Station_name	end_station_name	drop_off_distance
▶	casual	Lafin St & Cullerton St	Green St & Madison Ave*	9814.06940482014
	casual	Aberdeen St & Randolph St	Green St & Madison Ave*	9813.37758110492
	casual	Morgan St & Polk St	Green St & Madison Ave*	9813.072285185464
	member	Aberdeen St & Randolph St	Green St & Madison Ave*	9813.37758110492
	member	Morgan St & Polk St	Green St & Madison Ave*	9813.072285185464
	member	Canal St & Adams St	Wentworth Ave & Cermak Rd*	9812.174385772576
	member	Canal St & Adams St	Green St & Madison Ave*	9812.174385772576

6. Which season has the highest/lowest number of rides? Average overall and per user type.

	member_casual	season	percentage_user_season	percentage_season
▶	member	Fall	16.4275	26.5148
	casual	Fall	10.0873	26.5148
	member	Spring	13.9069	22.4643
	casual	Spring	8.5574	22.4643
	member	Summer	21.8893	41.8178
	casual	Summer	19.9285	41.8178
	member	Winter	7.1323	9.2032
	casual	Winter	2.0709	9.2032

7. Which day of the week has the highest/lowest number of rides? Average overall and per user type.

	member_casual	weekday	percentage_user_weekday
▶	casual	Saturday	8.2684
	casual	Sunday	6.8688
	casual	Friday	5.9298
	casual	Thursday	5.3921
	casual	Wednesday	4.8064
	casual	Monday	4.7586
	casual	Tuesday	4.6200
	member	Wednesday	9.5248
	member	Thursday	9.5012
	member	Tuesday	9.3696
	member	Friday	8.3273
	member	Monday	8.3074
	member	Saturday	7.5801
	member	Sunday	6.7455

	member_casual	weekday	percentage_user_weekday	percentage_weekday
▶	casual	Saturday	8.2684	15.8485
	member	Saturday	7.5801	15.8485
	member	Thursday	9.5012	14.8933
	casual	Thursday	5.3921	14.8933
	member	Wednesday	9.5248	14.3312
	casual	Wednesday	4.8064	14.3312
	member	Friday	8.3273	14.2571
	casual	Friday	5.9298	14.2571
	member	Tuesday	9.3696	13.9896
	casual	Tuesday	4.6200	13.9896
	casual	Sunday	6.8688	13.6143
	member	Sunday	6.7455	13.6143
	member	Monday	8.3074	13.0660
	casual	Monday	4.7586	13.0660

8. What are the top 3 start and end stations? Count per user and display all in in one output.

	member_casual	station_name	station_type	count
►	casual	Streeter Dr & Grand Ave	start	263646
	casual	DuSable Lake Shore Dr & Monroe St	start	146334
	casual	Michigan Ave & Oak St	start	114682
	casual	Streeter Dr & Grand Ave	end	278686
	casual	DuSable Lake Shore Dr & Monroe St	end	134935
	casual	Millennium Park	end	123921
	member	Kingsbury St & Kinzie St	start	101246
	member	Clark St & Elm St	start	96198
	member	Wells St & Concord Ln	start	89455
	member	Clark St & Elm St	end	96861
	member	Kingsbury St & Kinzie St	end	94745
	member	Wells St & Concord Ln	end	93622

9. What is the most/least used type of bike? Count overall and per user type.

	member_casual	rideable_type	percentage_user_bike	percentage_bike
►	member	classic_bike	38.2859	58.5579
	casual	classic_bike	20.2720	58.5579
	casual	docked_bike	3.9193	3.9193
	member	electric_bike	21.0700	37.5228
	casual	electric_bike	16.4528	37.5228

10. How do users behave over the time of the day? Is there a preferred time for going on a ride?

	member_casual	time_of_day	percentage_user_timeofday	percentage_timeofday
►	casual	1.Morning	7.9563	24.9753
	member	1.Morning	17.0190	24.9753
	casual	2.Afternoon	18.6845	44.1557
	member	2.Afternoon	25.4712	44.1557
	casual	3.Evening	9.6872	22.8938
	member	3.Evening	13.2066	22.8938
	casual	4.Night	4.3161	7.9753
	member	4.Night	3.6592	7.9753

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