# Instagram User Analytics SQL Fundamentals Project-2

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# 1. Project Description:

I provided insights into user interactions and engagement for Instagram's product team as a data analyst for this project. The purpose of using SQL queries running in MySQL Workbench to analyse Instagram user data was to help the product and marketing teams make well-informed decisions. In order to impact Instagram's future development, the initiative concentrated on issues including investment metrics, user engagement, and marketing techniques.

# 2. Approach:

I started by running the supplied SQL script in MySQL Workbench to set up the given database.

I then extracted the data required for each task using SQL queries, making sure that the queries were effective and produced accurate results. I created SQL queries for each operation in order to address particular business issues, like figuring out who the most devoted users were, spotting possible bots, and generating user engagement data.

#### 3.Tech-Stack Used:

MySQL Workbench: I chose MySQL Workbench for its robust database management capabilities and ease of executing SQL queries.

SQL: Structured Query Language (SQL) was used to interact with the Instagram database and retrieve the necessary data for analysis.

# 4. Insights:

I learnt a lot about Instagram user behaviour and trends from working on this project, knowledge that will be useful for making business decisions.

Loyal Users: Since the platform's inception, there have been regular, long-term users who have participated. Loyalty programs can be tailored to these users, promoting increased brand retention and loyalty.

<u>Inactive Users:</u> There is a chance for re-engagement marketing because a sizable portion of users have registered but have never uploaded any photos. Email advertising and app notifications are effective ways to engage this

audience.

<u>Popular Content:</u> The person who has received the greatest likes on a single image exemplifies the kinds of content that people find most appealing. It is possible to recreate effective content strategies by using this information.

<u>Research on Hashtags:</u> The most popular hashtags reveal popular subjects and

ideas that encourage user interaction. These hashtags can be used by partner brands to boost their visibility.

<u>Launch of Ad Campaign:</u> The data revealed that the majority of users sign up on particular days of the week, offering the most advantageous period of time for the launch of advertising campaigns in order to optimise reach.

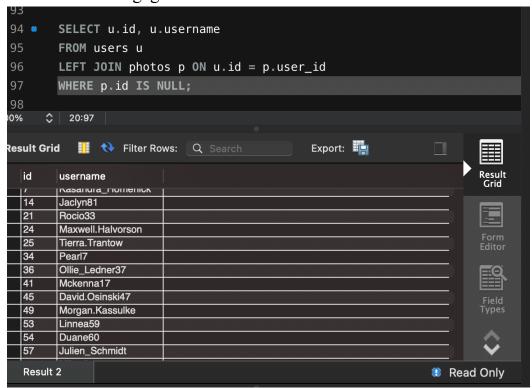
#### 5.Result:

# A) Marketing Analysis:

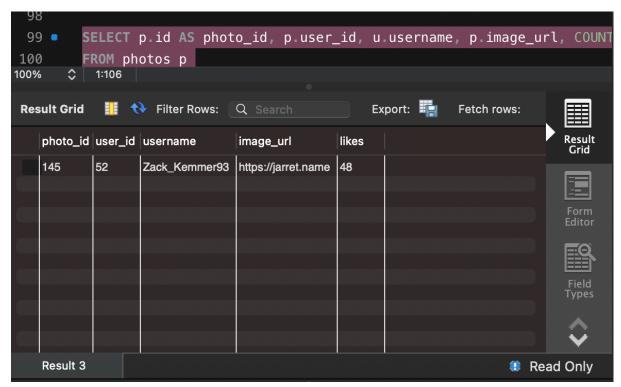
1. Loyal User Reward:

id	username	created_at		
80	Darby_Herzog	2016-05-06 00:14:21		
67	Emilio_Bernier52	2016-05-06 13:04:30		
63	Elenor88	2016-05-08 01:30:41		
95	Nicole71	2016-05-09 17:30:22		
38	Jordyn.Jacobson2	2016-05-14 07:56:26		
NULL	NULL	NULL		
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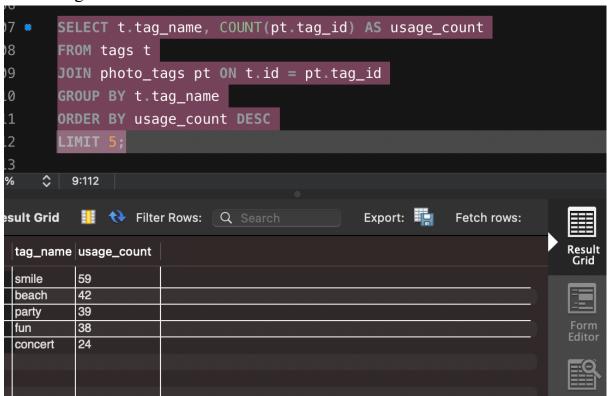
2. Inactive User Engagement:



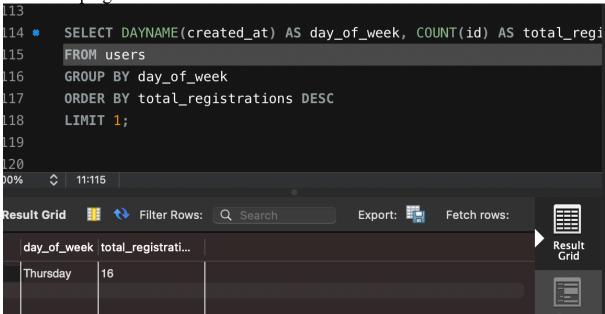
3. Contest Winner Declaration:



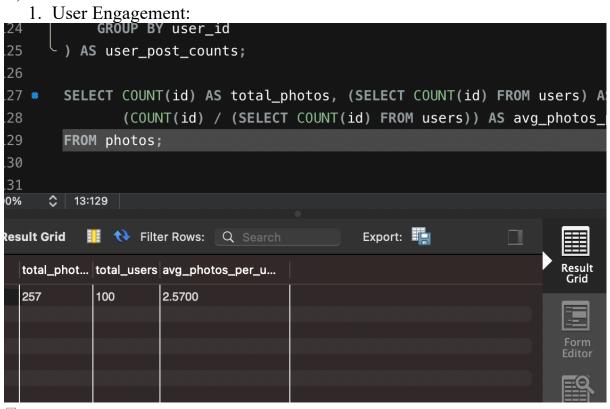
### 4. Hashtag Research:



5.Ad Campaign Launch:



B) Investor Metrics



2. Bots & Fake Accounts:

id	username	
5	Aniya_Hackett	
14	Jaclyn81	
21	Rocio33	
24	Maxwell.Halvorson	
36	Ollie_Ledner37	
41	Mckenna17	
54	Duane60	
57	Julien_Schmidt	
66	Mike.Auer39	
71	Nia_Haag	
75	Leslie67	
76	Janelle.Nikolaus81	
01	Pothony20	