INSTAGRAM USER ANALYSIS

Project Description:

The project aims to perform user analytics on the Instagram database. The goal is to provide insights and answer specific questions related to marketing campaigns, user engagement, and investor metrics. By analysing the database, I will identify the oldest users, inactive users, contest winners, popular hashtags, and optimal days for launching ad campaigns. Additionally, I will assess user engagement and identify potential bots or fake accounts on the platform.

Approach:

To analyse the Instagram database, I will use SQL queries to retrieve the required information. I will write queries to identify the oldest users, inactive users, contest winners, popular hashtags, and optimal days for ad campaigns. I will also calculate user engagement metrics and identify potential bot accounts. By executing these queries on the database, we will obtain the necessary insights.

Tech-Stack Used:

For this project, I will utilize a relational database management system (RDBMS) such as MySQL Workbench to execute SQL queries.

Insights:

Throughout the project, I gained insights into various aspects of user analytics on Instagram. I discovered the oldest users, allowing for targeted marketing campaigns towards loyal users. By identifying inactive users, I can strategize promotional emails to encourage them to start posting. Contest winners were determined based on the most likes on a single photo. I identified the top hashtags, enabling effective hashtag usage for reaching a broader audience. Additionally, I determined the most common day for user registrations, providing insights for scheduling ad campaigns. We also assessed user engagement by calculating the average number of posts per user and identified potential bot accounts based on suspicious liking behaviour.

Result:

Through this project, I was able to provide valuable insights to the marketing and management teams of Instagram. The analysis helped in identifying the most loyal users, reminding inactive users to post, declaring contest winners, suggesting popular hashtags, and determining optimal days for launching ad campaigns. The assessment of user engagement provided an understanding of user activity on the platform, and the identification of potential bot accounts helped in ensuring the platform's authenticity. Overall, the project provided actionable information to improve marketing strategies, enhance user engagement, and address investor concerns about the platform's performance.

Attaching snapshots of my project source code:





