Project - 2 Instagram User Analytics

Project Description: Perform SQL operations on the given Instagram User Analytics data and find out the answers to the questions asked by the management team.

Approach: Analyse the questions asked and perform the SQL operation according to the need of the management term. We can approach the answers to the questions by running or injecting the correct SQL query.

Tech-Stack-Used: https://www.db-fiddle.com/

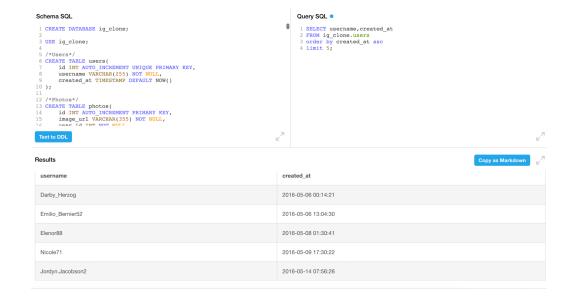
Insight: By doing this Instagram Analysis i was able to understand the SQL query to be implemented inorder to get the required solution for the problem. The way by which two tables can be compared or connected together in order to perform the operations.

Results:

Create a Database



- Perform Analysis:
 - 1. Find the 5 oldest users of the Instagram from the database provided.



2. Find the users who have never posted a single photo on Instagram

Query SQL •

```
1 SELECT username
2 FROM ig_clone.users
3 LEFT JOIN ig_clone.photos
4 ON users.id = photos.user_id
5 WHERE photos.id IS NULL;
```

```
username
|-----
| Aniya_Hackett |
| Kasandra_Homenick |
| Jaclyn81 |
Rocio33
| Maxwell.Halvorson |
| Tierra.Trantow |
| Pearl7
| Ollie_Ledner37 |
| Mckenna17
| David.Osinski47 |
| Morgan.Kassulke |
| Linnea59 |
Duane60
| Julien_Schmidt |
| Mike.Auer39 |
| Franco_Keebler64 |
| Nia_Haag |
| Hulda.Macejkovic |
| Leslie67
| Janelle.Nikolaus81 |
| Darby_Herzog |
| Esther.Zulauf61 |
| Bartholome.Bernhard |
| Jessyca_West |
| Esmeralda.Mraz57 |
| Bethany20 |
```

3. The team started a contest and the user who gets the most likes on a single photo will win the contest now they wish to declare the winner.



4. Identify and suggest the top 5 most commonly used hashtags on the platform



5. What day of the week do most users register on? Provide insights on when to schedule an ad campaign



Investor Metrics

1. User Engagement:

Provide how many times does average user posts on Instagram.



Also, provide the total number of users



Total number of photos on Instagram



SUM(user_id)

12164

2. Bots & Fake Accounts:

• Provide data on users (bots) who have liked every single photo on the site (since any normal user would not be able to do this).

