Instagram User Analysis

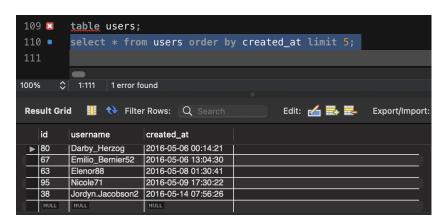
The first thing I did was to search videos in youtube giving informations on how to apply queries once more. The queries were a little advanced, so it took sometime to complete, but it got completed at last. I searched up using mysql data in jupyter notebook, but got a little confused, so that is a topic I need to get my hands on again.

I learned how to find out answers to the queries which are generally asked in a company, for eg, the total number of accounts which are real and not bots, the number of times each user has posted anything, or the trending hashtags in a particular website.

The queries given were very practical and are used on a daily basis in companies which is a very useful practice to students like us, who are beginners. I learned a lot of things.

- **A) Marketing:** The marketing team wants to launch some campaigns, and they need your help with the following
 - 1. **Rewarding Most Loyal Users:** People who have been using the platform for the longest time.

Your Task: Find the 5 oldest users of the Instagram from the database provided



2. **Remind Inactive Users to Start Posting:** By sending them promotional emails to post their 1st photo.

Your Task: Find the users who have never posted a single photo on Instagram



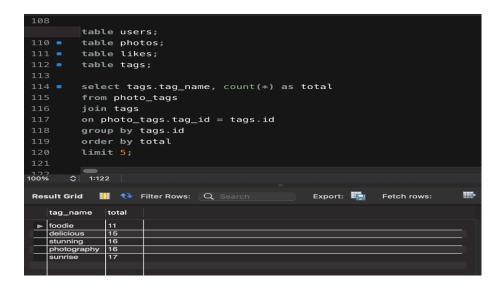


3. **Declaring Contest Winner:** The team started a contest and the user who gets the most likes on a single photo will win the contest now they wish to declare the winner. Your Task: Identify the winner of the contest and provide their details to the team

```
table users;
        table photos;
110
        table likes:
111 •
        table tags;
112 •
        select username, photos.id, photos.image_url, count(*) as total
114
        from photos
       inner join likes
        on likes.photo_id = photos.id
        inner join users
        on photos.user_id = users.id
        group by photos.id
        order by total desc
_limit 1;
        1:113
100%
           III 🛟 Filter Rows: Q Search
                                               Export:
               id
   username
                     image url
                                  total
► Zack_Kemmer93 145
                     https://jarret.name 48
```

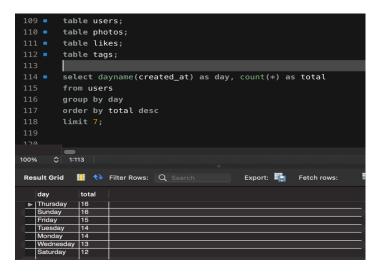
4. **Hashtag Researching:** A partner brand wants to know, which hashtags to use in the post to reach the most people on the platform.

Your Task: Identify and suggest the top 5 most commonly used hashtags on the platform



5. **Launch AD Campaign:** The team wants to know, which day would be the best day to launch ADs.

Your Task: What day of the week do most users register on? Provide insights on when to schedule an ad campaign



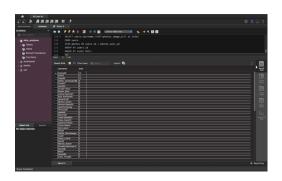
- **B)** Investor Metrics: Our investors want to know if Instagram is performing well and is not becoming redundant like Facebook, they want to assess the app on the following grounds
 - 1. **User Engagement:** Are users still as active and post on Instagram or they are making fewer posts

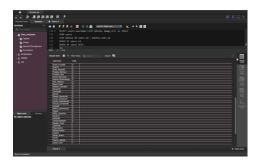
Your Task: Provide how many times does average user posts on Instagram. Also, provide the total number of photos on Instagram/total number of users

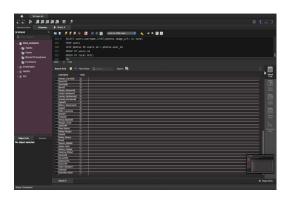
Average no. of posts per user:



Total no. of photos per users:







2. **Bots & Fake Accounts:** The investors want to know if the platform is crowded with fake and dummy accounts

Your Task: 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).

