

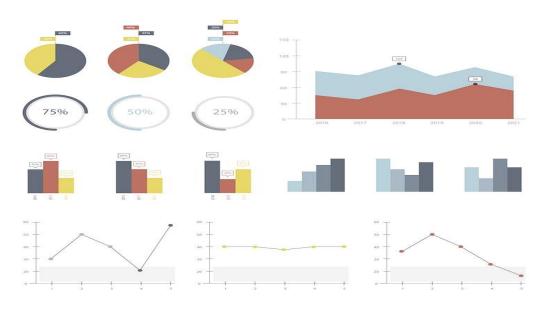
INSTAGRAM USERS ANALYSIS

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PROJECT DESCRIPTION -

The project focuses on **analyzing Instagram user data** to provide valuable insights for marketing strategies and investor assessment. By leveraging the provided database, we aim to answer key questions and assist the leadership team in making informed decisions.

The project focuses on various aspects such as :• identifying loyal users



- encouraging inactive users to post
- declaring contest winners
- researching popular hashtags
- determining the best day to launch ad campaigns
- assessing user engagement
- identifying bots and fake accounts

Overall, the Instagram Users Analysis Project aims to support marketing campaigns, improve user experience, and provide valuable insights to ensure the platform's growth and assess its performance for investors.



MySQL Workbench 8.0 CE

For creating Database that's store the Instagram users data.

TECH STACK

USED

FOR THIS PROJECT



STRUCTURED QUERY LANGUAGE

For getting the insight from the database .



MICROSOFT EXCEL

For presenting the result in better way.

INSIGHTS

FROM THIS

PROJECT

- Identifying the five oldest users of Instagram
- Identifying users who have never posted a single photo on Instagram
- Determining the winner of a contest based on the user with the most likes on a single photo
- identifying the top five most commonly used hashtags on the platform
- Analyzing the day of the week with the highest user registration.
- Calculating the total users ,total posts and average number of posts made by users on Instagram
- Identifying users (bots) who have liked every single photo on the site

These insights help the marketing team reward loyal users, bring back inactive users, improve contests and campaigns, and enhance overall user engagement. They also provide important metrics for investors to assess Instagram's performance, ensuring transparency and confidence in the platform's growth and long-term success.

TOP 5 OLDEST INSTAGRAM USERS

USER_ID	USER_NAME	CREATED_AT
80	Darby_Herzog	2016-05-06
67	Emilio_Bernier52	2016-05-06
63	Elenor88	2016-05-08
95	Nicole71	2016-05-09
38	Jordyn.Jacobson2	2016-05-14

INACTIVE USERS WHO NEVER POSTED A PHOTO

USER ID	USER NAME	
5	Aniya_Hackett	
7	Kasandra_Homenick	
14	Jaclyn81	
21	Rocio33	
24	Maxwell. Halvorson	
25	Tierra.Trantow	
34	Pearl7	
36	Ollie_Ledner37	
41	Mckenna17	
45	David.Osinski47	
49	Morgan.Kassulke	
53	Linnea59	
54	Duane60	
57	Julien_Schmidt	
66	Mike.Auer39	
68	Franco_Keebler64	
71	Nia_Haag	
74	Hulda.Macejkovic	
75	Leslie67	
76	Janelle.Nikolaus81	
80	Darby_Herzog	
81	Esther.Zulauf61	
83	Bartholome.Bernhard	
89	Jess y ca_West	
90	Esmeralda.Mraz57	
91	Bethany20	

Winner of the Contest is

Zack Kemmer93

According to data Zack's photo had the highest number of likes among all users.

USER ID	USER NAME	РНОТО	LIKES
52	Zack Kemmer93	145	48



TOP 5 POPULAR HASHTAGS

fun

concert

party

According to data these are the top 5 most commonly used hashtags on the Instagram

Based on Analysis

BEST DAY

TO

LAUNCH ADS

THURSDAY



SUNDAY

are the days when the highest number of user registrations occur.

So According to the result launching ad campaigns on these days can maximize the potential reach and engagement of the campaign.

USER ENGAGEMENT



Bots & Fake

Accounts



According to analysis these are the users(bots) who like every single photo on the Instagram:

USER ID	USER NAME	
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	
91	Bethany20	

CONCLUSION

☐ The project identified the five oldest users of Instagram.
☐ Users who had never posted a single photo on Instagram
\Box The winner of a contest was determined based on the user with the most likes on a
single photo.
☐ The top five most commonly used hashtags on the platform
☐ Analysis of user registrations revealed that Thursday and Sunday were the days
with the highest number of registrations.
☐ The average number of posts made by users on Instagram was calculated.
☐ Bots that had liked every single photo on the site

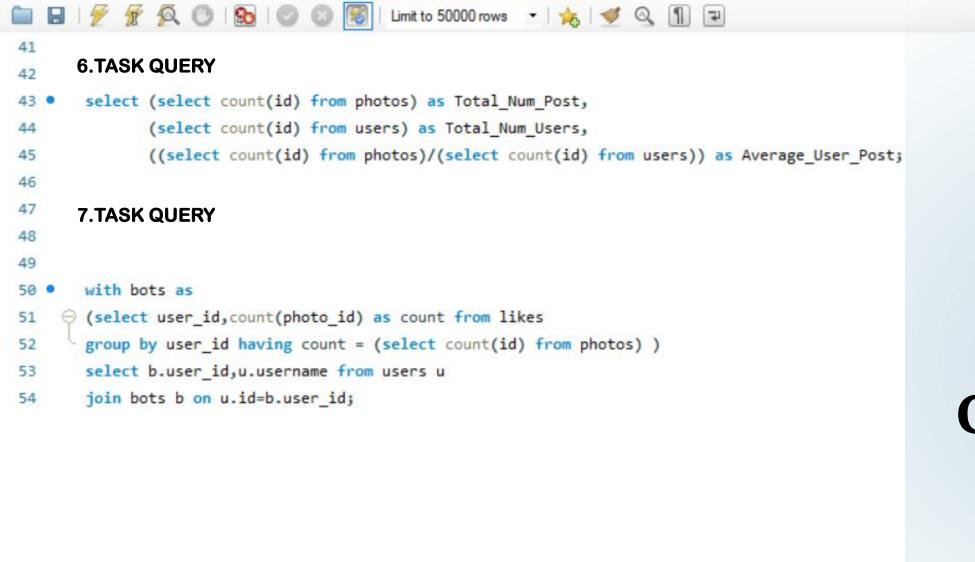
The project overall supports the marketing team in rewarding loyal users, re-engaging inactive users, optimizing campaigns, and improving user engagement.

The investor metrics provide transparency and confidence in Instagram's performance, assuring stakeholders of the platform's growth and sustainability.

```
1.TASK QUERY
       select * from users
 3 •
       order by created at asc limit 5;
 5
       2.TASK QUERY
       select id, username from users
 7 .
       where id not in (select distinct(user id) from photos);
 8
 9
       3.TASK QUERY
10
11 ● ⊖
       with most likes as (
12
       select photo id, count(*) as Total likes from likes
13
       group by photo id order by Total likes desc limit 1)
       select user_id as User_id,us.username as Name,
14
15
       p.id as Photo id,
       ml. Total likes as Likes from photos p
16
       join most likes as ml on p.id = ml.photo id
17
       join users us on p.user id=us.id;
18
19
       4.TASK QUERY
20
       select commoly used hashtags from (
       select tag_id, tag_name as commoly_used_hashtags,count(*) as hashtags_count from tags t
22
23
       join photo tags pt on t.id=pt.tag id
24
       group by tag id order by hashtags count desc limit 5)a;
25
26
       5.TASK QUERY
27
28 •
       select DAYNAME(created at) as DAYS, count(DAYNAME(created at)) as NUM OF USERS REG from users
29
       group by DAYS order by NUM OF USERS REG DESC;
```

SQL

QUERIES



SQL

QUERIES