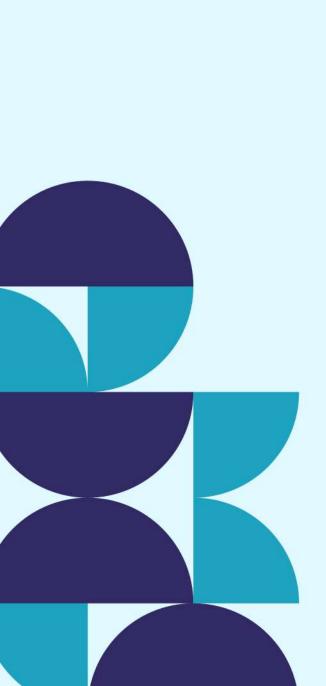
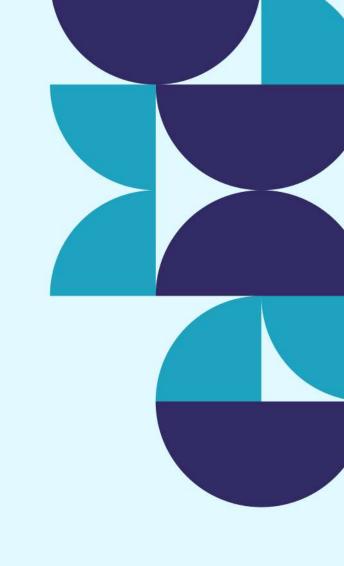
INSTAGRANUS ER ANALYSIS

Presented By Renuka Joshi

GONTENTS

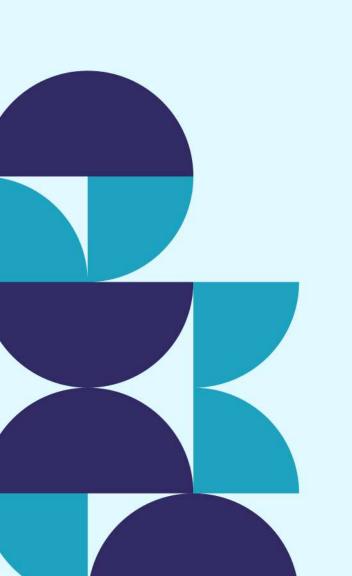
- 1. Introduction
- 2. Analysis Marketing dep.
- 3. Analysis Investor Metric dep.
- 4. Conclusion

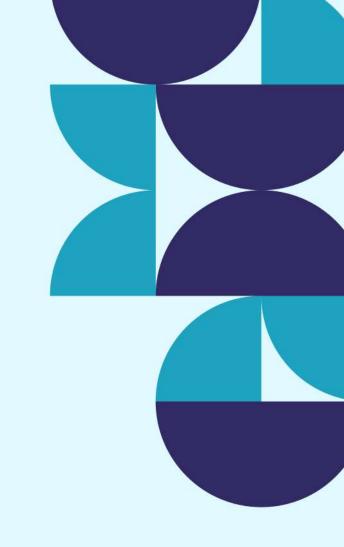




PROJECT OVERVIEW

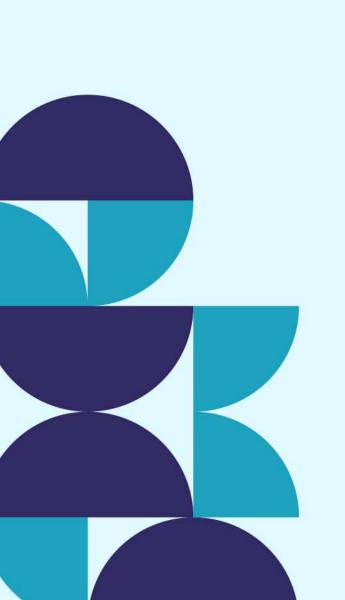


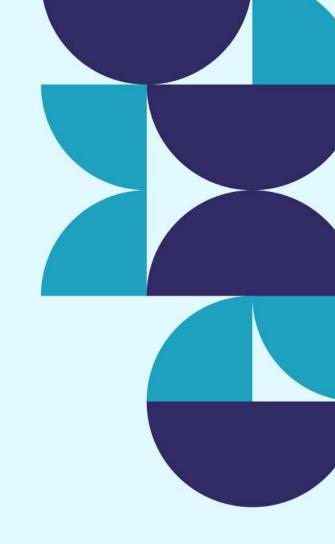




MARKETING

- Rewarding most loyal users: Find the 5 oldest users of the instagram from the database provided
- Remind inactive users to start posting: Find the users who have never posted a single photo on instagram
- **Declaring contest winner:** Identify the winner of the contest and provide their details to the team.
- Hashtag researching: Identify and suggest the top 5 most commonly used hashtags on the platform.
- Launch ad campaign: What day of the week do most users register on? Provide insights on when to schedule an ad campaign.





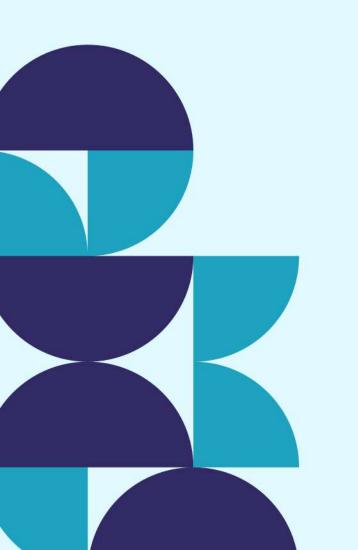
INVESTOR METRICS

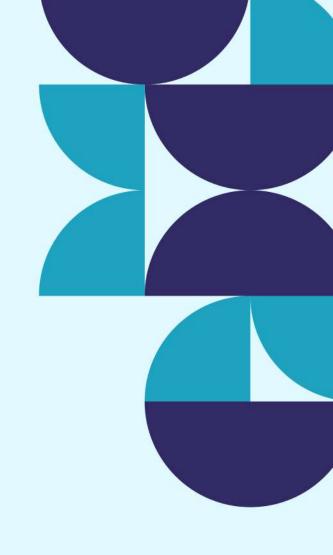


Provide how many times does average user posts on instagram. Also, provide the total number of photos on instagram / total number of users.

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).





REWARDING THE MOST LOYAL USERS

SELECT

FROM

users

ORDER BY created at ASC

LIMIT 5;



			The state of the s
	id	username	created_at
١	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	HULL	NULL

REMIND INACTIVE USRS TO START POSTNG

```
SELECT
                                                                                                                                             username
                                                                                                                                                               created at
                                                                                                                                             Aniya_Hackett
                                                                                                                                                               2016-12-07 01:04:39
                                                                                                                                                              2016-12-12 06:50:08
                                                                                                                                             Kasandra_Homenick
                                                                                                                                             Jaclyn81
                                                                                                                                                               2017-02-06 23:29:16
FROM
                                                                                                                                       21
                                                                                                                                             Rocio33
                                                                                                                                                              2017-01-23 11:51:15
                                                                                                                                             Maxwell.Halvorson
                                                                                                                                                              2017-04-18 02:32:44
                                                                                                                                             Tierra.Trantow
                                                                                                                                                              2016-10-03 12:49:21
        users
                                                                                                                                             Pearl7
                                                                                                                                                               2016-07-08 21:42:01
                                                                                                                                             Ollie Ledner37
                                                                                                                                                              2016-08-04 15:42:20
                 LEFT JOIN
                                                                                                                                             Mckenna17
                                                                                                                                                               2016-07-17 17:25:45
                                                                                                                                             David.Osinski47
                                                                                                                                                              2017-02-05 21:23:37
        photos ON users.id = photos.user_id
                                                                                                                                             Morgan.Kassulke
                                                                                                                                                              2016-10-30 12:42:31
                                                                                                                                             Linnea59
                                                                                                                                                              2017-02-07 07:49:34
                                                                                                                                             Duane60
                                                                                                                                                              2016-12-21 04:43:38
WHERE
                                                                                                                                             Julien_Schmidt
                                                                                                                                                              2017-02-02 23:12:48
                                                                                                                                             Mike. Auer 39
                                                                                                                                                               2016-07-01 17:36:15
        photos.user_id IS NULL;
                                                                                                                                                              2016-11-13 20:09:27
                                                                                                                                             Franco Keebler64
                                                                                                                                       71
                                                                                                                                             Nia Haaq
                                                                                                                                                               2016-05-14 15:38:50
                                                                                                                                             Hulda.Macejkovic
                                                                                                                                                              2017-01-25 17:17:28
                                                                                                                                             Leslie67
                                                                                                                                                               2016-09-21 05:14:01
                                                                                                                                             Janelle.Nikolaus81
                                                                                                                                                              2016-07-21 09:26:09
                                                                                                                                             Darby_Herzog
                                                                                                                                                               2016-05-06 00:14:21
                                                                                                                                             Esther.Zulauf61
                                                                                                                                                              2017-01-14 17:02:34
                                                                                                                                             Bartholome.Bernhard 2016-11-06 02:31:23
                                                                                                                                                               2016-09-14 23:47:05
                                                                                                                                             Jessyca West
```

Esmeralda.Mraz57

n-4-----

2017-03-03 11:52:27

2015 05 02 22.21.52

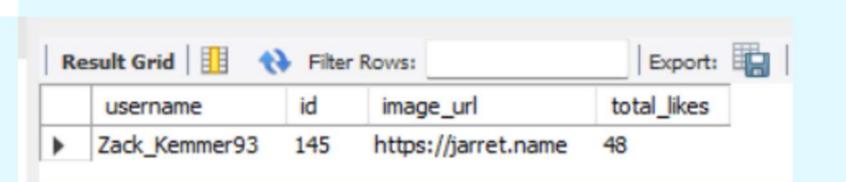
DECLARING CONTEST WINNER



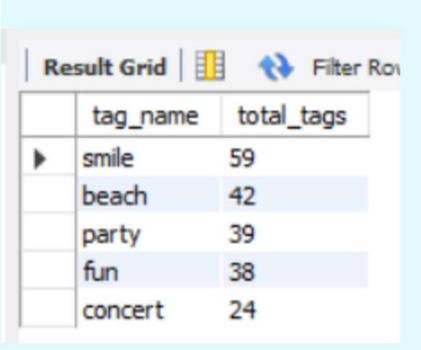
SELECT

users.username,

photos.id,



HASHTAG RESEARCHING



LAUNCH AD CAMPAIGN

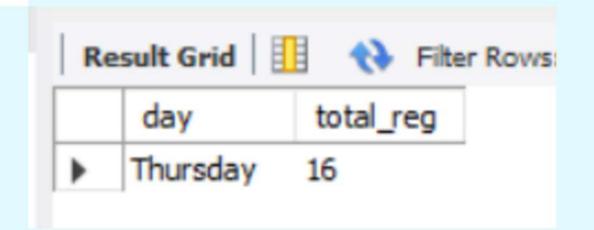
```
DAYNAME(created_at) AS day, COUNT(*) AS total_reg
FROM

users
GROUP BY day

ORDER BY total_reg DESC

LIMIT 1;
```

The best time to schedule an advertisement campaign is on Thursday



USER ENGAGEMENT

```
AVG(photo_count) AS avg_posts_per_user

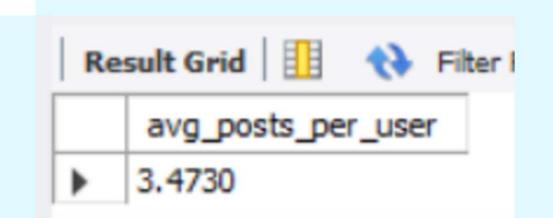
FROM

(SELECT
     user_id, COUNT(id) AS photo_count

FROM
     photos

GROUP BY user_id) AS user_photos;
```

SELECT



USER ENGAGEMENT

```
SELECT

(SELECT

COUNT(*)

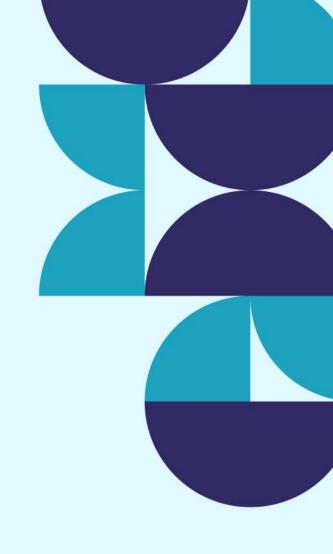
FROM

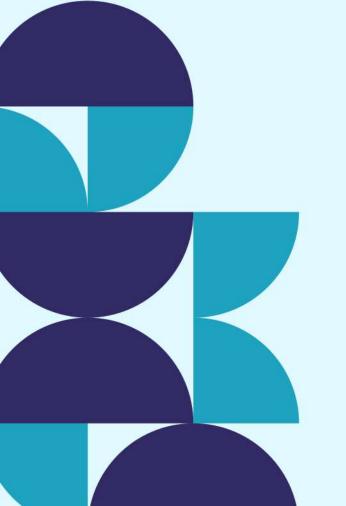
photos) / (SELECT

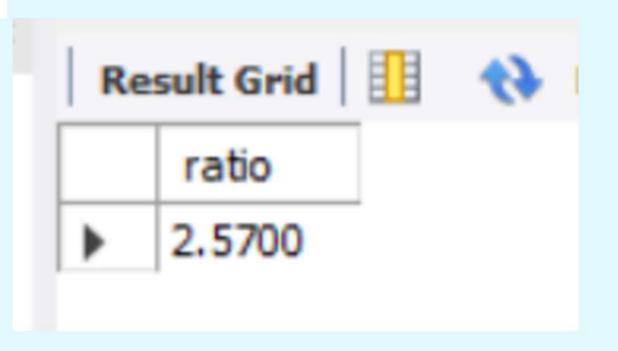
COUNT(*)

FROM

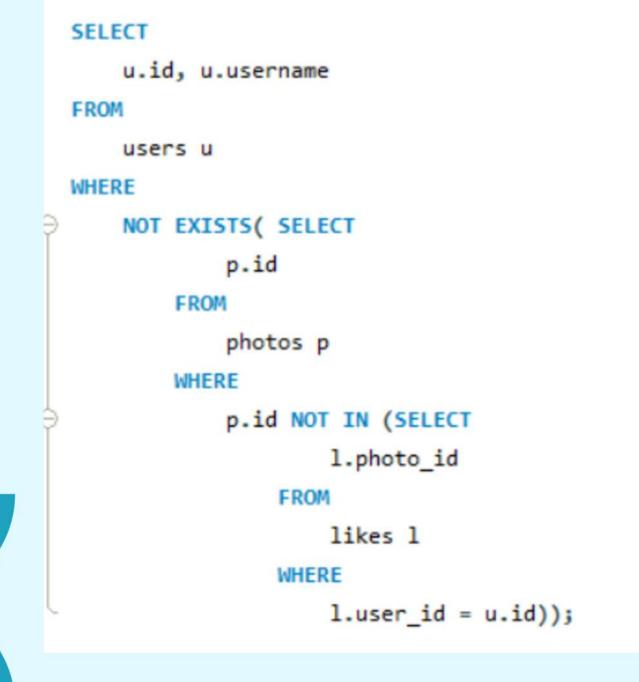
users) AS ratio;
```



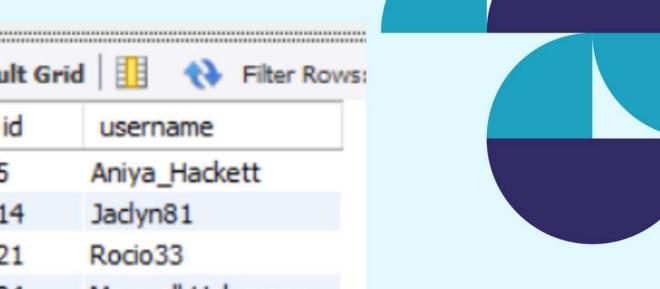




BOTS & FAKE ACCOUNTS

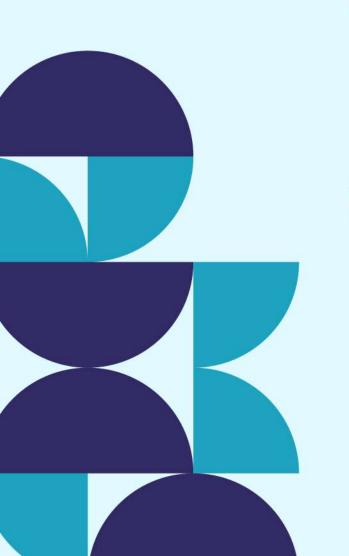


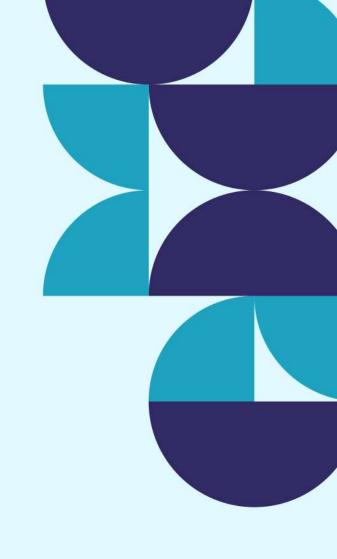
Sections		
Re	esult Gr	rid H Tilter Rows:
	id	username
•	5	Aniya_Hackett
	14	Jaclyn81
	21	Rocio33
	24	Maxwell.Halvorson
	36	Ollie_Ledner37
	41	Mckenna 17
	54	Duane60
	57	Julien_Schmidt
	66	Mike.Auer39
	71	Nia_Haag
	75	Leslie67
	76	Janelle.Nikolaus81
	91	Bethany20



APPROAGH

- For this project, I have used MySQL to extract the required data from the given database using the join function, subqueries, aggregation, where condition, group by, distinct and other functions required.
- Keeping the primary key and foreign key in consideration provided all the reports asked by the marketing department and investor metric department.
- I have used canva for making this presentation as it contains required elements, graphs, images which made this project more attractive.





INSIGHTS & RESULTS

- From this project, I got an idea about how as a business analyst or data analyst we work on real-time data to take data-driven decisioons.
- One thing I infer about this project is the dataset provided was very limited and small in respect of rows and columns. But still, it was a very good experience working on such kind of project.
- It helped me a lot to understand the analysis process well, and to provide insights for the best decision possible.



