

Data Analyst Portfolio

- Paramesh e



Hello!

My self Paramesh E. I completed my bachelor's degree in Mathematics from Karnatak University, Dharwad and I started my career as a Statistics Lecturer at a degree college. Also am pursuing an Executive PG program in Data Science from IIIT-Bangalore.

I have worked on several projects which I would like to showcase in this portfolio.



Instagram

User Analytics



Introduction

As part of this project, we are supposed to provide a detailed report to the Marketing and Investor Metrics department to help them make a decision based on different metrics and insights that will be gathered during the analysis.



MARKETING

01

Rewarding Most Loyal Users

Find the 5 oldest users of the Instagram from the database provided

02

Remind Inactive Users to Start Posting

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

03

Declaring Contest Winner

Identify the winner of the contest and provide their details to the team

04

Hashtag Researching

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

05

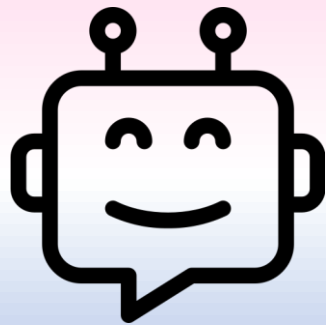
Launch AD Campaign

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

Investor Metrics

User Engagement:

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



TOP 5 OLDEST USERS

01	02	03	04	05
Darby_Herzog	Emilio_Bernier52	Elenor88	Nicole71	Jordyn.Jacobson2
2016-05-06	2016-05-06	2016-05-08	2016-05-09	2016-05-14

Remind Inactive users to start posting



I have found a list of 26 people with their user id who have never posted a single photo on Instagram.

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

DECLARING CONTEST WINNER

In the contest, the user with the most likes on a single picture won

Details-



User ID
52

Username
Zack_Kemmer93

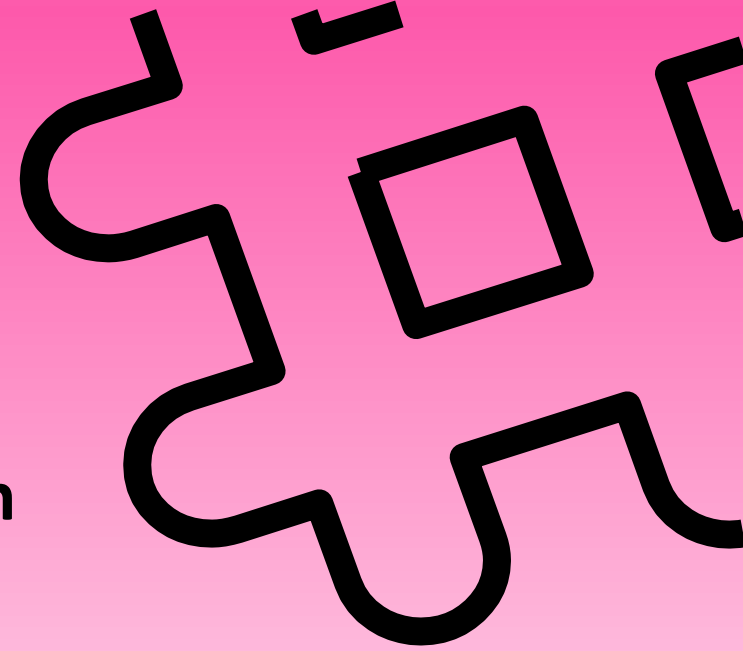
Image_url
<https://jarret.name>

Likes
48

HASHTAG RESEARCHING



Top 5 hashtags that are
most frequently used on
Instagram



24

#Concert

38

#Fun

39

#Party

42

#Beach

59

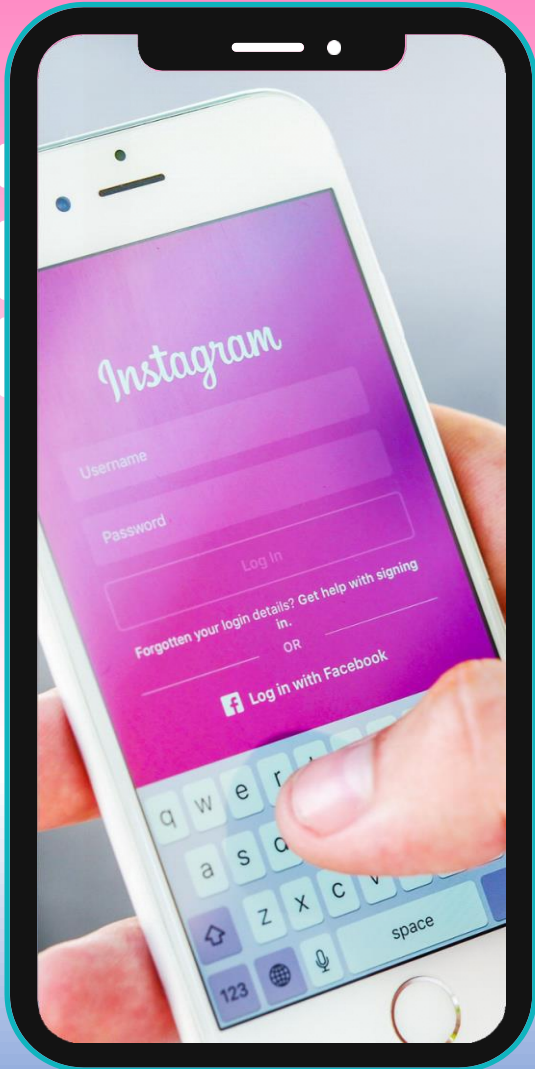
#Smile

LAUNCH AD CAMPAIGN

The best time to schedule an advertisement campaign is on Thursday and Sunday



User Engagement



Based on the results, there are-

- ❑ 74 Active users who have posted at least once.
- ❑ 100 Total users.
- ❑ 257 Total posts made.
- ❑ $\text{Total photos} / \text{Total users} = 2.57$

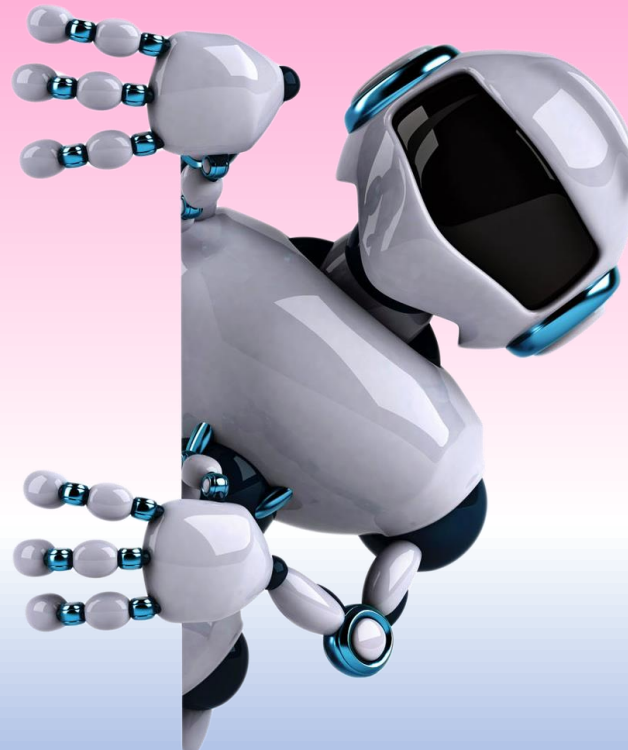
So the average will be 3.47.

We can say that an average user posts 3-4 times

Bots & Fake Accounts

We have 13 such users based on the data who have liked all 257 posts, user-Id for the same are specified below.

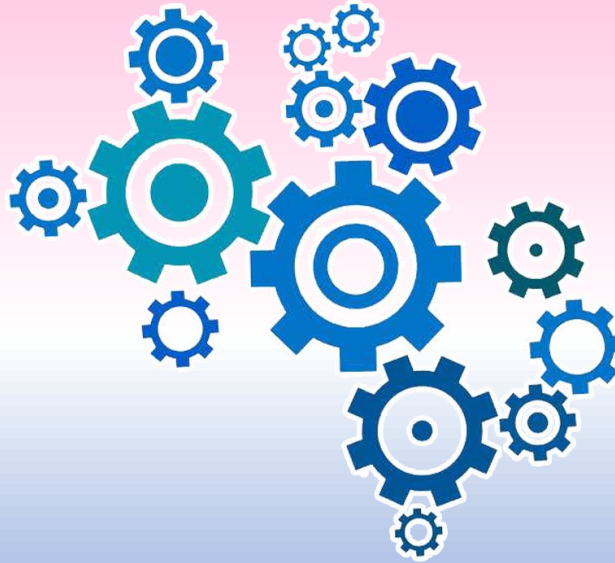
5	57
14	66
21	71
24	75
36	76
41	91
54	



APPROACH



- My SQL was used for extracting the required data from the database given for this project based on the Primary Key and Foreign Key as well as providing all the required reports required by the marketing department and the investor metrics department. I used Power Point to create this presentation, and I have used it to make the presentation.



Result



Through this project, I gained an understanding of how business analysts or data analysts work with real-time data to take data-driven decisions. The dataset provided for this project was extremely limited and small in terms of rows and columns. However, it was still a very rewarding experience working on such a project. I was able to gain a better understanding of the analysis process and provided insights that enabled me to make the best possible decision.

