# Google

As a Data Analyst on the Google Photos Machine Learning Team, you are tasked with understanding user engagement with our automatic photo categorization features....

Question 1: We need to measure initial user engagement with the categorization features. How many photos have been categorized by the system in January 2024?

```sql
SELECT COUNT(photo_id)
FROM automatic_photo_categorization
WHERE TO_CHAR(categorization_date, 'YYYY-MM') = '2024-01';
```

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**Question 2: What is the total number of unique users who have interacted with the categorization feature in February 2024?**

```sql
SELECT COUNT(DISTINCT user_id)
FROM automatic_photo_categorization
WHERE TO_CHAR(categorization_date, 'YYYY-MM') = '2024-02';
```

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Question 3: For March 2024, calculate the total number of categorized photos per user and rename the resulting column to 'total_categorized_photos'. We want to identify the most active users for user research purposes.

```sql
SELECT user_id, COUNT(photo_id) AS total_categorized_photos
FROM automatic_photo_categorization
WHERE TO_CHAR(categorization_date, 'YYYY-MM') = '2024-03'
GROUP BY user_id
ORDER BY total_categorized_photos DESC;
```