

Google

As a Data Analyst on the Google Search Quality team, you are tasked with understanding user engagement with search results....

Question 1: How many search queries had either a link click or more than 30 second dwell time in October 2024?

```
SELECT COUNT(query_id)
FROM search_queries
WHERE query_date >= '2024-10-01' AND query_date < '2024-11-01'
      AND (clicks = 1 OR dwell_time_seconds > 30);
```



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Question 2: Can you find out how many search queries in October 2024 were made by users who clicked on a link and spent more than 30 seconds on the search results page?

```
SELECT COUNT(query_id)
FROM search_queries
WHERE TO_CHAR(query_date, 'YYYY-MM') = '2024-10'
      AND (clicks = 1 AND dwell_time_seconds > 30);
```



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Question 3: For users who signed up in the first week of October 2024 (e.g. October 1 - 7), how many search queries did they make in total?

```
SELECT COUNT(query_id)
FROM search_queries
WHERE user_id IN (
    SELECT DISTINCT user_id
    FROM users
    WHERE TO_CHAR(signup_date, 'YYYY-MM') = '2024-10'
    AND TO_CHAR(signup_date, 'DD') BETWEEN '01' AND '07'
);
```



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