


wendygen116
 13
 Last Edit: January 31, 2020 5:44 AM
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13

▼

```

WITH a AS
(
    SELECT v.user_id, v.visit_date,
    SUM(CASE WHEN t.transaction_date is not null THEN 1 ELSE 0 END) as transactions_count
    FROM Visits v
    LEFT JOIN Transactions t
    ON v.user_id = t.user_id AND v.visit_date = t.transaction_date
    GROUP BY visit_date, v.user_id
),
b AS
(
    SELECT transactions_count, COUNT(transactions_count) as visits_count
    FROM a
    GROUP BY transactions_count
),
c as
(
    SELECT 0 as transactions_count, max(transactions_count) as temp
    FROM b
    UNION ALL
    SELECT transactions_count + 1 , temp FROM c
    WHERE transactions_count < temp
)

SELECT c.transactions_count, isnull(b.visits_count, 0) as visits_count
FROM c
LEFT JOIN b
ON c.transactions_count = b.transactions_count
    
```

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LouisBGDATA
 2
 Last Edit: 2 days ago

Two CTE is enough

```

With a as
(select
v.user_id,
v.visit_date,
count(t.transaction_date) as transactions_count
from visits v
    
```