

# 49\_Trips and Users Hard - Solution

source - <https://leetcode.com/problems/trips-and-users/description/>

Running Notes:

- The **cancellation rate** is computed by dividing the number of canceled (by client or driver) requests with unbanned users by the total number of requests with unbanned users on that day.
- $\text{cancellation rate} = \frac{\text{number of canceled (by client or driver) requests with unbanned users}}{\text{total number of requests with unbanned users}}$
- this is for each day

Thought Process



First I find out those trips by unbanned users

```
-- Write your PostgreSQL query statement below
SELECT *
FROM Trips as t
LEFT JOIN Users as u
ON t.client_id = u.users_id
WHERE banned = 'No'
```

then i coded the formula I wrote above

```
-- Write your PostgreSQL query statement below
SELECT request_at AS Day,
ROUND(COUNT(CASE
WHEN status='cancelled_by_client' OR status='cancelled_by_driver'
END)*1.0/COUNT(id)*1.0,2) AS "Cancellation Rate"
```

```

FROM Trips as t
LEFT JOIN Users as u
ON t.client_id = u.users_id
WHERE banned = 'No'
GROUP BY request_at

```

but it failed 1 test case aaaaaaaa and that's because i didnt read a part of the question

Write a solution to find the **cancellation rate** of requests with unbanned users (**both client and driver must not be banned**) each day between "2013-10-01" and "2013-10-03". Round **Cancellation Rate** to **two decimal** points.

and I knew it would fail because right now in the current code I was only checking if the client is banned

```

-- Write your PostgreSQL query statement below
SELECT request_at AS Day,
ROUND(COUNT(DISTINCT(CASE
WHEN status='cancelled_by_client' OR status='cancelled_by_driver'
END))*1.0/COUNT(DISTINCT(id))*1.0,2) AS "Cancellation Rate"
FROM Trips as t
LEFT JOIN Users as u
ON t.client_id = u.users_id
LEFT JOIN Users as u2
ON t.driver_id = u2.users_id
WHERE u.banned = 'No' AND u2.banned='No' AND t.request_at BETWEEN '2013-10-01' AND '2013-10-03'
GROUP BY request_at

```

so I just joined with the user table once again and checked the Banned status is No

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