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MySQL solution using DATEDIFF and self join, fast and clear

Shirleyxxy ★ 33 January 15, 2020 1:38 PM 1.1K VIEWS

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```
SELECT a.visited_on AS visited_on, SUM(b.day_sum) AS amount,
       ROUND(AVG(b.day_sum), 2) AS average_amount
FROM
  (SELECT visited_on, SUM(amount) AS day_sum FROM Customer GROUP BY visited_on ) a,
  (SELECT visited_on, SUM(amount) AS day_sum FROM Customer GROUP BY visited_on ) b
WHERE DATEDIFF(a.visited_on, b.visited_on) BETWEEN 0 AND 6
GROUP BY a.visited_on
HAVING COUNT(b.visited_on) = 7
```

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fmxy ★ 34 January 23, 2020 12:44 AM

best one I've seen yet!

here's mine, similar but using distinct before joining to be able to just sum up everything in table b and do manual average calculation:

SELECT a.visited_on, SUM(b.amount) AS amount, ROUND(SUM(b.amount)/7, 2) AS average_amount
FROM (SELECT DISTINCT visited_on FROM Customer) a
JOIN Customer b
ON DATEDIFF(a.visited_on, b.visited_on) BETWEEN 0 AND 6
GROUP BY a.visited_on
HAVING COUNT(DISTINCT(b.visited_on)) > 6