Problem List | Run | Submit

Description | Editorial | Solutions | Submissions

2985. Calculate Compressed Mean

Premium

Solved

Easy | Topics

SQL Schema | Pandas Schema

Table: `Orders`

```
+--------------------+------+
| Column Name        | Type |
+--------------------+------+
| order_id           | int  |
| item_count         | int  |
| order_occurrences  | int  |
+--------------------+------+
order_id is column of unique values for this table.
This table contains order_id, item_count, and order_occurrences.
```

Write a solution to calculate the **average** number of items per order, rounded to `2` **decimal places**.

Return *the result table in **any** order.*

The result format is in the following example.

Example 1:

Input:

Orders table:

```
+----------+------------+--------------------+
| order_id | item_count | order_occurrences  |
+----------+------------+--------------------+
| 10       | 1          | 500                |
| 11       | 2          | 1000               |
| 12       | 3          | 800                |
| 13       | 4          | 1000               |
+----------+------------+--------------------+
```

Output

```
+--------------------------+
| average_items_per_order  |
+--------------------------+
| 2.70                     |
+--------------------------+
```

Explanation

The calculation is as follows:

- Total items: (1 * 500) + (2 * 1000) + (3 * 800) + (4 * 1000) = 8900
- Total orders: 500 + 1000 + 800 + 1000 = 3300
- Therefore, the average items per order is 8900 / 3300 = 2.70

Seen this question in a real interview before? 1/5

Yes | No

Accepted 1.4K | Submissions 1.6K | Acceptance Rate 87.0%

Topics

Discussion (2)

6 | 2

Code

MySQL • Auto

```mysql
# Write your MySQL query statement below


SELECT ROUND(SUM(order_occurrences*item_count) / SUM(order_occurrences),2) AS average_items_per_order
FROM
Orders
```

Saved

Ln 7, Col 1

Testcase | Test Result

```
| 10       | 1          | 500                |
| 11       | 2          | 1000               |
| 12       | 3          | 800                |
| 13       | 4          | 1000               |
```

Output

```
| average_items_per_order |
| ----------------------- |
| 2.7                     |
```

Expected

```
| average_items_per_order |
| ----------------------- |
| 2.7                     |
```

Contribute a testcase