

```

1  -- All customers from state SP
2  SELECT * FROM olist_customers_dataset
3  WHERE field5 = 'SP';
4
5  -- Group by state and count customers
6  SELECT field5 AS customer_state, COUNT(*) AS total_customers
7  FROM olist_customers_dataset
8  GROUP BY field5
9  ORDER BY total_customers DESC;
10
11
    
```

	customer_state	total_customers
1	SP	41746
2	RJ	12852
3	MG	11635
4	RS	5466
5	PR	5045
6	SC	3637
...

Execution finished without errors.
 Result: 28 rows returned in 100ms
 At line 5:
 -- Group by state and count customers
 SELECT field5 AS customer_state, COUNT(*) AS total_customers
 FROM olist_customers_dataset
 GROUP BY field5
 ORDER BY total_customers DESC;

DB Browser for SQLite - D:\projects\oliotdb

File Edit View Tools Help

New Database Open Database... Write Changes Revert Changes Undo Open Project Save Project Attach Database Close Database

Database Structure Browse Data Edit Pragma Execute SQL

SQL 1*

```
1 -- All customers from state SP
2 SELECT * FROM olist_customers_dataset
3 WHERE field5 = 'SP';
4
5 -- Group by state and count customers
6 SELECT field5 AS customer_state, COUNT(*) AS total_customers
7 FROM olist_customers_dataset
8 GROUP BY field5
9 ORDER BY total_customers DESC;
10
11 -- Example join (if you had a second table called orders_dataset with customer_id)
12 -- SELECT o.order_id, o.field1 AS customer_id
13 -- FROM orders_dataset o
14 -- JOIN olist_customers_dataset c ON o.customer_id = c.field1;
15
16
```

customer_state	total_customers
SP	41746
RJ	12852
MG	11635
RS	5466
PR	5045
SC	3637
PA	3300

Execution finished without errors.
Result: 28 rows returned in 1619ms
At line 5:
-- Group by state and count customers
SELECT field5 AS customer_state, COUNT(*) AS total_customers
FROM olist_customers_dataset
GROUP BY field5
ORDER BY total_customers DESC;

Edit Database Cell

Mode: Text

NULL

No cell active.
Type: NULL; Size: 0 bytes

Apply

Remote

Identity Select an identity to connect Upload

DB:hub.io Local Current Database

Name	Last modified	Size
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SQL Log Plot DB Schema Remote

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Database StructureBrowse DataEdit PragmasExecute SQL

SQL 1

```
12  -- SELECT o.order_id, c.field1 AS customer_id
13  -- FROM orders_dataset o
14  -- JOIN olist_customers_dataset c ON o.customer_id = c.field1;
15
16  -- Cities with more than average customer count
17  SELECT field4 AS city, COUNT(*) AS customer_count
18  FROM olist_customers_dataset
19  GROUP BY field4
20  HAVING customer_count >
21  (SELECT AVG(city_count) FROM (
22   SELECT COUNT(*) AS city_count
23   FROM olist_customers_dataset
24   GROUP BY field4
25  ));
```

	city	customer_count
1	adamantina	36
2	alagoinhas	40
3	alegrete	36
4	alem paraiba	29
5	alfenas	43
6	almirante tamandare	35
7	altamira	38

Execution finished without errors.
Result: 467 rows returned in 222ms
At line 11:
-- Example join (if you had a second table called orders_dataset with customer_id)
-- SELECT o.order_id, c.field1 AS customer_id
-- FROM orders_dataset o
-- JOIN olist_customers_dataset c ON o.customer_id = c.field1;

-- Cities with more than average customer count
SELECT field4 AS city, COUNT(*) AS customer_count
FROM olist_customers_dataset
GROUP BY field4
HAVING customer_count >
(SELECT AVG(city_count) FROM (
SELECT COUNT(*) AS city_count
FROM olist_customers_dataset
GROUP BY field4
));

Execute Database Cell

Mode: Text

NULL

No cell active.
Type: NULL; Size: 0 bytes

Remote

Identity Select an identity to connect

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Name	Last modified
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Database StructureBrowse DataEdit PragmaExecute SQL

SQL 1*

```
20HAVING customer_count >
21  (SELECT AVG(city_count) FROM (
22    SELECT COUNT(*) AS city_count
23    FROM olist_customers_dataset
24    GROUP BY field4
25  ));
26
27  -- Average ZIP prefix (just as an example of AVG)
28  SELECT AVG(CAST(field3 AS INTEGER)) AS avg_zip
29  FROM olist_customers_dataset;
30
31  -- Count of unique customers
32  SELECT COUNT(DISTINCT field2) AS unique_customers
33  FROM olist_customers_dataset;
34
35
```

unique_customers

1 96097

Execution finished without errors.

Result: 1 rows returned in 51ms

At line 31:
-- Count of unique customers
SELECT COUNT(DISTINCT field2) AS unique_customers
FROM olist_customers_dataset;

Edit Database Cell

Mode: Text

NULL

No cell active.
Type: NULL; Size: 0 bytes

Apply

Remote

Identity Select an identity to connect Upload

DBHubioLocalCurrent Database

Name	Last modified	Size
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Database StructureBrowse DataEdit PragmaExecute SQL

SQL 1*

```
24 | GROUP BY field4
25 | });
26 |
27 | -- Average ZIP prefix (just as an example of AVG)
28 | SELECT AVG(CAST(field3 AS INTEGER)) AS avg_zip
29 | FROM olist_customers_dataset;
30 |
31 | -- Count of unique customers
32 | SELECT COUNT(DISTINCT field2) AS unique_customers
33 | FROM olist_customers_dataset;
34 |
35 | CREATE VIEW sp_customers AS
36 | SELECT * FROM olist_customers_dataset
37 | WHERE field5 = 'SP';
38 |
39 |
```

unique_customers

1 96097

Execution finished without errors.

Result: query executed successfully. Took 0ms

At line 35:

CREATE VIEW sp_customers AS

SELECT * FROM olist_customers_dataset

WHERE field5 = 'SP';

Edit Database Cell

Mode: Text

NULL

No cell active.
Type: NULL; Size: 0 bytes

Apply

Remote

Identity Select an identity to connect

Upload

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Name	Last modified	Size
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SQL LogPlotDB SchemaRemote

UTF-8

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Database StructureBrowse DataEdit PragmaExecute SQL

SQL 1

```
33 FROM olist_customers_dataset:
34
35 --CREATE VIEW sp_customers AS
36 --SELECT * FROM olist_customers_dataset
37 --WHERE field5 = 'SP';
38
39 -- Index on state
40 CREATE INDEX idx_field5 ON olist_customers_dataset(field5);
41
42 -- Index on city
43 CREATE INDEX idx_field4 ON olist_customers_dataset(field4);
44
45
46
47
```

unique_customers

1 96097

Execution finished without errors.

Result: query executed successfully. Took 415ms

At line 42:

-- Index on city

CREATE INDEX idx_field4 ON olist_customers_dataset(field4);

Edit Database Cell

Mode: Text

NULL

No cell active.
Type: NULL; Size: 0 bytes

Remote

Identity Select an identity to connect

DebugLocalCurrent Database

Name	Last modified	Size
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SQL LogPlotDB SchemaRemote

UTF-8