

DB Browser for SQLite - C:\Users\Shruti\Downloads\olist.sqlite\olist.sqlite

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Database Structure Browse Data Edit Pragmas Execute SQL

SQL 1*

```
1 SELECT customer_state, COUNT(*) AS total_customers
2 FROM customers
3 WHERE customer_state = 'SP'
4 GROUP BY customer_state
5 ORDER BY total_customers DESC;
6
```

	customer_state	total_customers
1	SP	41746

Execution finished without errors.
Result: 1 rows returned in 35ms
At line 1:
SELECT customer_state, COUNT(*) AS total_customers
FROM customers
WHERE customer_state = 'SP'
GROUP BY customer_state
ORDER BY total_customers DESC;

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Database Structure Browse Data Edit Pragmas Execute SQL

SQL 1*

```
1
2 SELECT c.customer_id, c.customer_city, o.order_id
3 FROM customers c
4 INNER JOIN orders o
5 ON c.customer_id = o.customer_id;
6
```

	customer_id	customer_city	order_id
1	06b8999e2f...	franca	00e7ee1b05...
2	18955e83d3...	sao ...	29150127e6...
3	4e7b3e0028...	sao paulo	b2059ed67c...
4	b2b6027bc5...	mogi das ...	951670f923...
5	4f2d8ab171...	campinas	6b7d50bd14...
6	879864dab9...	jaragua do...	5741ea1f91...
7	fd826e7cf6...	sao paulo	36e694cf4c...

Execution finished without errors.
Result: 99441 rows returned in 2281ms
At line 2:
SELECT c.customer_id, c.customer_city, o.order_id
FROM customers c
INNER JOIN orders o
ON c.customer_id = o.customer_id;

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Database Structure Browse Data Edit Pragmas Execute SQL

SQL 1*

```
1 SELECT c.customer_id, c.customer_city, o.order_id
2 FROM customers c
3 LEFT JOIN orders o
4 ON c.customer_id = o.customer_id;
```

	customer_id	customer_city	order_id
1	06b8999e2fb1a1fbc88172c00ba8bc7	franca	00e7ee1b050b8499577073aeb2a297a1
2	18955e83d337fd6b2def6b18a428ac77	sao bernardo do campo	29150127e6685892b6eab3eec79f59c7
3	4e7b3e00288586ebd08712fdd0374a03	sao paulo	b2059ed67ce144a36e2aa97d2c9e9ad2
4	b2b6027bc5c5109e529d4dc6358b12c3	mogi das cruzes	951670f92359f4fe4a63112aa7306eba
5	4f2d8ab171c80ec8364f7c12e35b23ad	campinas	6b7d50bd145f6fc7f33cebabd7e49d0f
6	879864dab9bc3047522c92c82e1212b8	jaragua do sul	5741ea1f91b5fbab2bd2dc653a5b5099
7	fd826e7cf63160e536e0908c76c3f441	sao paulo	36e694cf4cbc2a4803200c35e84abdc4

Execution finished without errors.
Result: 99441 rows returned in 2056ms
At line 1:
SELECT c.customer_id, c.customer_city, o.order_id
FROM customers c
LEFT JOIN orders o
ON c.customer_id = o.customer_id;

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Database Structure Browse Data Edit Pragmas Execute SQL

SQL 1*

```
1 SELECT c.customer_id, c.customer_city, o.order_id
2 FROM orders o
3 LEFT JOIN customers c
4 ON c.customer_id = o.customer_id;
```

	customer_id	customer_city	order_id
1	9ef432eb6251297304e76186b10a928d	sao paulo	e481f51cbdc54678b7cc49136f2d6af7
2	b0830fb4747a6c6d20dea0b8c802d7ef	barreiras	53cdb2fc8bc7dce0b6741e2150273451
3	41ce2a54c0b03bf3443c3d931a367089	vianopolis	47770eb9100c2d0c44946d9cf07ec65d
4	f88197465ea7920adcdbec7375364d82	sao goncalo do amarante	949d5b44dbf5de918fe9c16f97b45f8a
5	8ab97904e6daea8866dbdbc4fb7aad2c	santo andre	ad21c59c0840e6cb83a9ceb5573f8159
6	503740e9ca751ccdda7ba28e9ab8f608	congonhinhas	a4591c265e18cb1dcee52889e2d8acc3
7	ed0271e0b7da060a393796590e7b737a	santa rosa	136cce7faa42fdb2cefd53fdc79a6098

Execution finished without errors.
Result: 99441 rows returned in 1765ms
At line 1:
SELECT c.customer_id, c.customer_city, o.order_id
FROM orders o
LEFT JOIN customers c
ON c.customer_id = o.customer_id;

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Database Structure Browse Data Edit Pragmas Execute SQL

SQL 1*

```
1 SELECT customer_id, customer_city
2 FROM customers
3 WHERE customer_id IN (
4     SELECT customer_id
5     FROM orders
6 );
7
```

	customer_id	customer_city
1	06b8999e2fb1a1fbcc88172c00ba8bc7	franca
2	18955e83d337fd6b2def6b18a428ac77	sao bernardo do campo
3	4e7b3e00288586ebd08712fdd0374a03	sao paulo
4	b2b6027bc5c5109e529d4dc6358b12c3	mogi das cruzes
5	4f2d8ab171c80ec8364f7c12e35b23ad	campinas
6	879864dab9bc3047522c92c82e1212b8	jaragua do sul
7	fd826e7cf63160e536e0908c76c3f441	sao paulo

Execution finished without errors.
Result: 89441 rows returned in 1347ms
At line 1:
SELECT customer_id, customer_city
FROM customers
WHERE customer_id IN (
 SELECT customer_id
 FROM orders
)

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Database Structure Browse Data Edit Pragmas Execute SQL

SQL 1*

```
1 SELECT customer_state, COUNT(customer_id) AS total_customers
2 FROM customers
3 GROUP BY customer_state;
```

	customer_state	total_customers
1	AC	81
2	AL	413
3	AM	148
4	AP	68
5	BA	3380
6	CE	1336
7	DF	2140

Execution finished without errors.
Result: 27 rows returned in 110ms
At line 1:
SELECT customer_state, COUNT(customer_id) AS total_customers
FROM customers
GROUP BY customer_state;

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Database Structure Browse Data Edit Pragmas Execute SQL

SQL 1*

```
1 SELECT c.customer_state, AVG(p.payment_value) AS avg_payment
2 FROM customers c
3 JOIN orders o ON c.customer_id = o.customer_id
4 JOIN order_payments p ON o.order_id = p.order_id
5 GROUP BY c.customer_state;
```

	customer_state	avg_payment
1	AC	234.293095238095
2	AL	227.077423887588
3	AM	181.603441558442
4	AP	232.325714285714
5	BA	170.816016620499
6	CE	199.90273962804
7	DF	161.134791288566

Execution finished without errors.
Result: 27 rows returned in 2684ms
At line 1:
SELECT c.customer_state, AVG(p.payment_value) AS avg_payment
FROM customers c
JOIN orders o ON c.customer_id = o.customer_id
JOIN order_payments p ON o.order_id = p.order_id
GROUP BY c.customer_state;

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Database Structure Browse Data Edit Pragmas Execute SQL

SQL 1*

```
1 SELECT * FROM customer_order_summary;
```

	customer_id	customer_city	customer_state	total_orders
1	00012a2ce6f8dcda20d059ce98491703	osasco	SP	1
2	000161a058600d5901f007fab4c27140	itapecerica	MG	1
3	0001fd6190edaaf884bcraf3d49edf079	nova venecia	ES	1
4	0002414f95344307404f0ace7a26f1d5	mendonca	MG	1
5	000379cdec625522490c315e70c7a9fb	sao paulo	SP	1
6	0004164d20a9e969af783496f3408652	valinhos	SP	1
7	000419c5494106c306a97b5635748086	niteroi	RJ	1

Execution finished without errors.
Result: 99441 rows returned in 3129ms
At line 1:
SELECT * FROM customer_order_summary;

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Database Structure Browse Data Edit Pragmas Execute SQL

SQL 1*

```
1 CREATE INDEX idx_customer_id
2 ON customers(customer_id);
```

Execution finished without errors.
Result: query executed successfully. Took 147ms
At line 1:
CREATE INDEX idx_customer_id
ON customers(customer_id);