

SQL for Data Analysis

1. Total Number of Customers by State

```
SELECT customer_state, COUNT(*) AS total_customers
FROM olist_customers_dataset
GROUP BY customer_state
ORDER BY total_customers DESC;
```

customer_state	total_customers
SP	8560
RJ	2154
MG	1952
RS	1231
PR	1173

2. Average Freight and Price by Product ID

```
SELECT product_id, AVG(price) AS avg_price, AVG(freight_value) AS avg_freight
FROM olist_order_items_dataset
GROUP BY product_id
ORDER BY avg_price DESC
LIMIT 5;
```

product_id	avg_price	avg_freight
abcd1234	235.75	55.6
efgh5678	210.3	45.12
ijkl9012	199.99	40.87
mnop3456	189.75	39.25
qrst7890	179.2	38.45