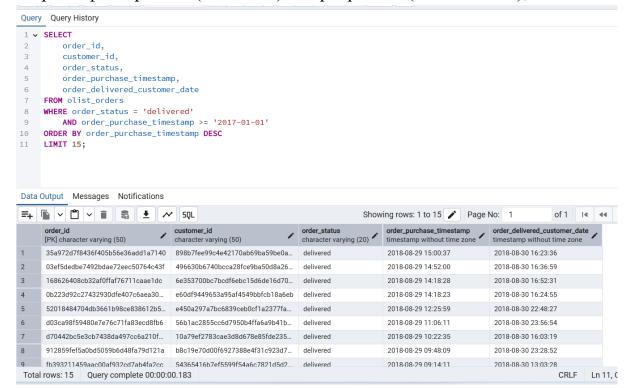
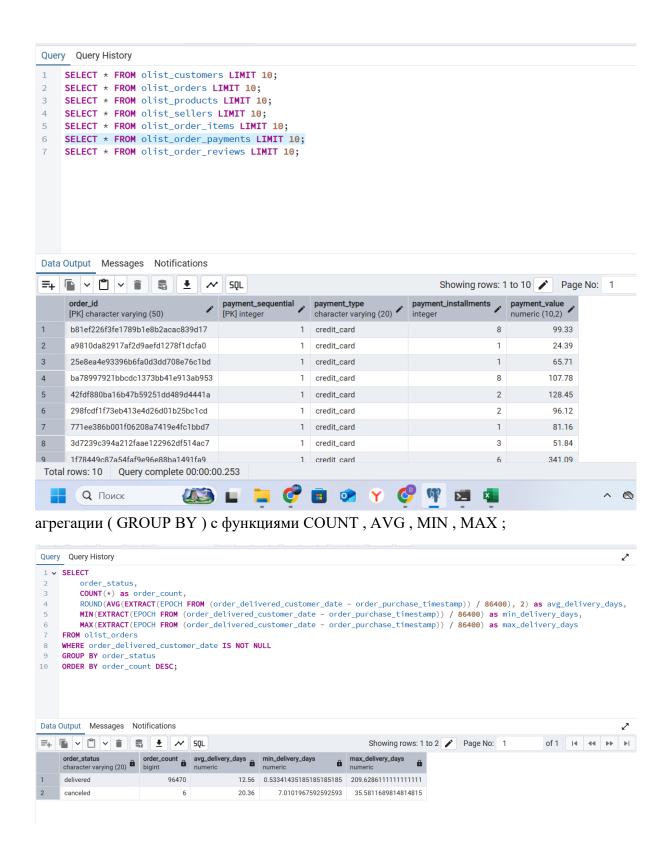
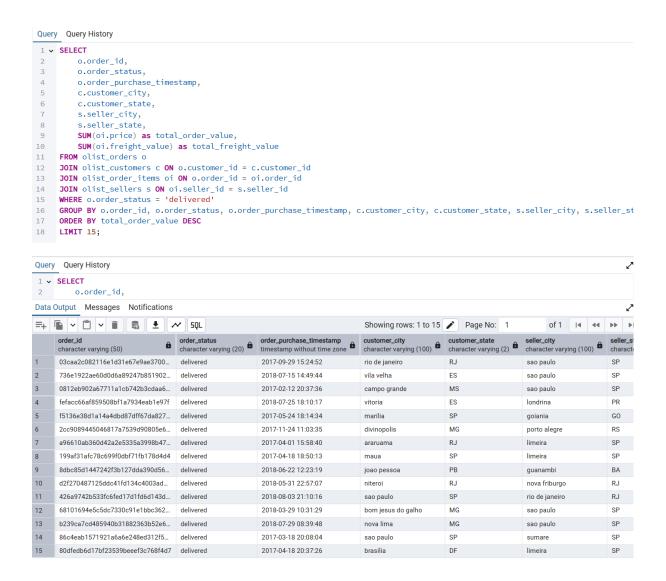
# запрос с фильтрацией ( WHERE ) и сортировкой ( ORDER BY );



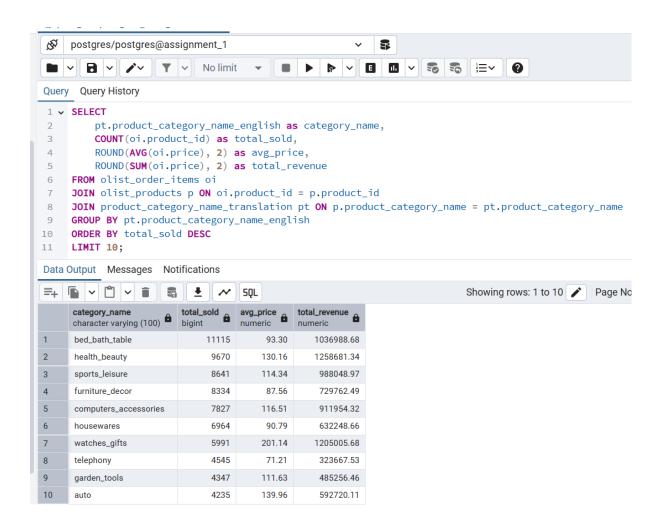
SELECT \* FROM table LIMIT 10;



минимум один JOIN между таблицами.



1)общее количество проданных товаров по категориям



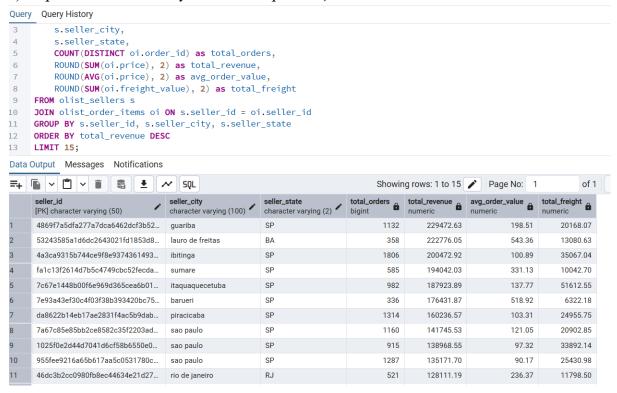
2) Анализ сезонности и трендов продаж

#### Query Query History 1 v SELECT 2 EXTRACT(YEAR FROM o.order\_purchase\_timestamp) as year, EXTRACT(MONTH FROM o.order\_purchase\_timestamp) as month, 3 4 COUNT(DISTINCT o.order\_id) as order\_count, ROUND(SUM(oi.price), 2) as monthly\_revenue, 5 6 ROUND(AVG(oi.price), 2) as avg\_order\_value 7 FROM olist\_orders o JOIN olist\_order\_items oi ON o.order\_id = oi.order\_id 8 WHERE o.order\_purchase\_timestamp IS NOT NULL 9 10 GROUP BY year, month ORDER BY year, month; 11 Data Output Messages Notifications =+ SQL Showing monthly\_revenue avg\_order\_value year month order\_count numeric 🔒 numeric 1 9 3 2016 267.36 44.56 2 308 136.38 2016 10 49507.66 1 3 2016 12 10.90 10.90 125.98 4 2017 1 789 120312.87 5 2017 2 1733 247303.02 126.76 6 2017 3 2641 374344.30 124.78 7 2017 4 2391 359927.23 134.10 2017 5 3660 506071.14 122.36 8 9 2017 6 3217 433038.60 120.86 10 2017 7 3969 498031.48 110.21 11 2017 8 4293 573971.68 116.90 100 05

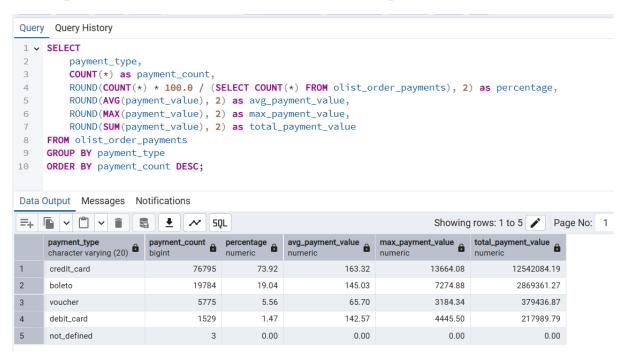
Total rows: 24

Query complete 00:00:03.227

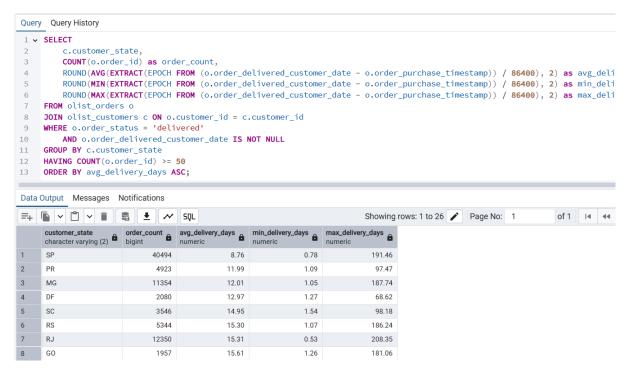
## 3)Определяет самых успешных продавцов



### 4) Распределение платежей по типам и анализ среднего чека



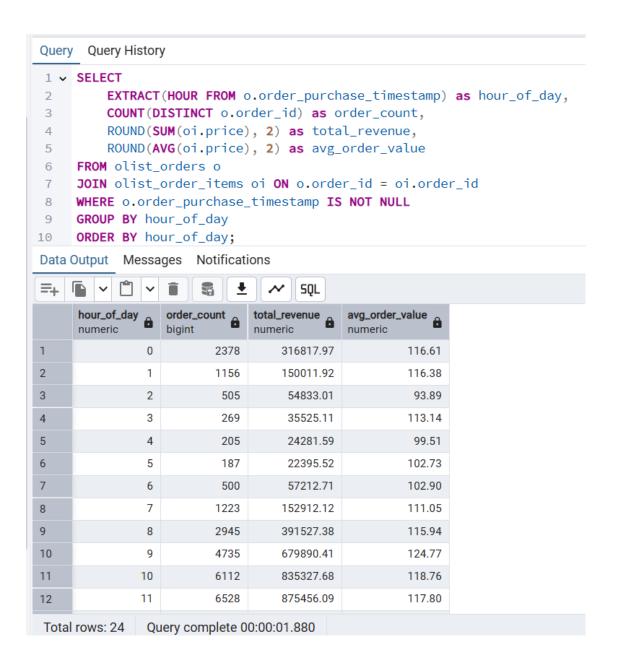
5) Анализ эффективности доставки в разных штатах



6) Среднее количество товаров в заказе и средняя стоимость



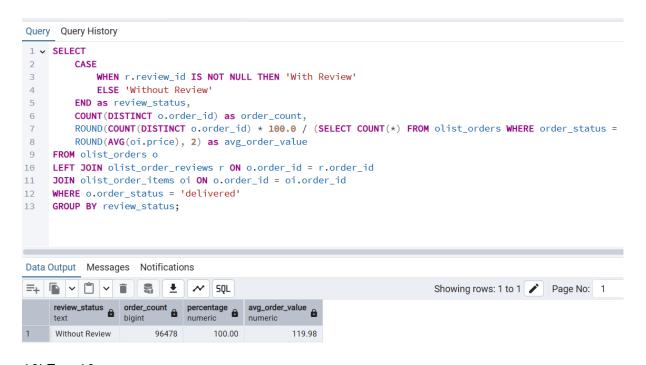
7) В какое время дня совершается больше покупок



8) Сколько клиентов совершают повторные заказы

```
Query Query History
 1 • WITH customer_orders AS (
        SELECT
3
             customer_id,
 4
             COUNT(DISTINCT order_id) as order_count
 5
         FROM olist_orders
 6
        GROUP BY customer_id
 7
    SELECT
 8
9
        CASE
10
             WHEN order_count = 1 THEN 'One-time'
11
             WHEN order_count = 2 THEN 'Returning (2)'
12
             WHEN order_count = 3 THEN 'Returning (3)'
13
            ELSE 'Loyal (4+)'
       END as customer_type,
14
       COUNT(customer_id) as customer_count,
        ROUND(COUNT(customer_id) * 100.0 / (SELECT COUNT(*) FROM customer_orders), 2) as percentage
16
17
    FROM customer_orders
    GROUP BY customer_type
    ORDER BY customer_count DESC;
19
Data Output Messages Notifications
=+ • • • •
                         Showing rows: 1 to 1 Page No:
                     5
                  bigint
    One-time
                          99441
                                     100.00
```

### 9) сколько заказов получают отзывы



10) Топ-10 продавцов по количеству продаж

#### Query Query History

```
1 v SELECT
        s.seller_id,
2
3
        s.seller_city,
        s.seller_state,
4
        COUNT(DISTINCT oi.order_id) AS total_orders,
        COUNT(oi.order_item_id) AS total_items_sold,
 6
       ROUND(SUM(oi.price), 2) AS total_revenue
   FROM olist_order_items oi
8
    JOIN olist_sellers s ON oi.seller_id = s.seller_id
    GROUP BY s.seller_id, s.seller_city, s.seller_state
10
    ORDER BY total_orders DESC
11
12 LIMIT 10;
```

Data Output Messages Notifications

| =+ |                                       | J                                   |                                    |                     |                         | Page No: 1            |
|----|---------------------------------------|-------------------------------------|------------------------------------|---------------------|-------------------------|-----------------------|
|    | seller_id [PK] character varying (50) | seller_city character varying (100) | seller_state character varying (2) | total_orders bigint | total_items_sold bigint | total_revenue numeric |
| 1  | 6560211a19b47992c3666cc44a7e94c0      | sao paulo                           | SP                                 | 1854                | 2033                    | 123304.83             |
| 2  | 4a3ca9315b744ce9f8e9374361493884      | ibitinga                            | SP                                 | 1806                | 1987                    | 200472.92             |
| 3  | cc419e0650a3c5ba77189a1882b7556a      | santo andre                         | SP                                 | 1706                | 1775                    | 104288.42             |
| 4  | 1f50f920176fa81dab994f9023523100      | sao jose do rio preto               | SP                                 | 1404                | 1931                    | 106939.21             |
| 5  | da8622b14eb17ae2831f4ac5b9dab84a      | piracicaba                          | SP                                 | 1314                | 1551                    | 160236.57             |
| 6  | 955fee9216a65b617aa5c0531780ce60      | sao paulo                           | SP                                 | 1287                | 1499                    | 135171.70             |
| 7  | 7a67c85e85bb2ce8582c35f2203ad736      | sao paulo                           | SP                                 | 1160                | 1171                    | 141745.53             |
| 8  | ea8482cd71df3c1969d7b9473ff13abc      | sao paulo                           | SP                                 | 1146                | 1203                    | 37177.52              |
| 9  | 4869f7a5dfa277a7dca6462dcf3b52b2      | guariba                             | SP                                 | 1132                | 1156                    | 229472.63             |
| 10 | 3d871de0142ce09b7081e2b9d1733cb1      | campo limpo paulista                | SP                                 | 1080                | 1147                    | 94914.20              |
|    |                                       |                                     |                                    |                     |                         |                       |