<u>Target's Performance in Brazil: Insightful Strategies</u> <u>and Retail Analytics (2016-2018)</u>



Key Highlights:

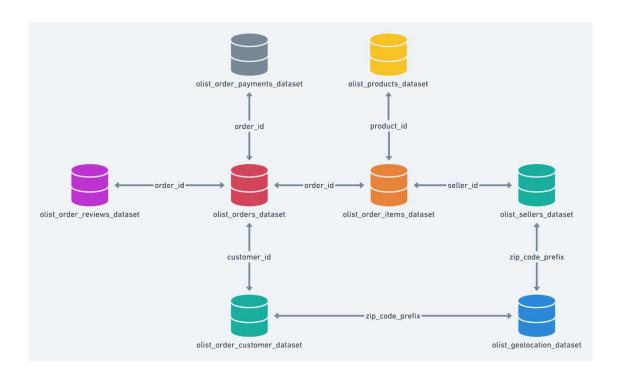
- **Growing Order Trend**: There is a consistent increase in the number of orders placed month over month.
- **Seasonal Sales Peak**: Maximum sales are observed during the winter season (October, November, December).
- **Peak Transaction Times**: The highest number of transactions occur in the afternoon, with a total of 38,135 transactions.

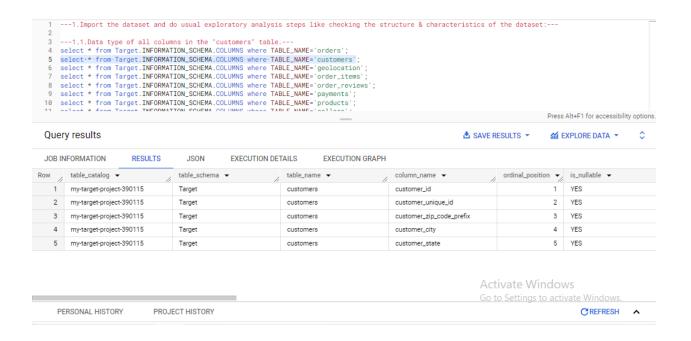
Impacts:

- **Sales Strategy**: Understanding the peak sales season can help in planning inventory, marketing campaigns, and staffing to maximize sales during high-demand periods.
- **Operational Efficiency**: Identifying peak transaction times aids in optimizing staffing schedules and ensuring efficient order processing during high-traffic periods.
- Customer Insights: Analyzing customer behavior and preferences across different seasons and times can help tailor services and promotions to enhance customer satisfaction and drive sales.

Insights:

- **Order Processing**: By analyzing the trend of growing orders, the efficiency of order processing systems can be evaluated and improved to handle increasing volumes.
- **Pricing Strategies**: Insights into seasonal sales peaks can inform dynamic pricing strategies to capitalize on high-demand periods.
- **Payment and Shipping Performance**: Assessing payment and freight performance data helps in identifying bottlenecks and improving the overall customer experience.
- Customer Demographics and Satisfaction: Detailed analysis of customer locations, product attributes, and reviews can provide a deeper understanding of the target market and inform strategies to boost customer loyalty and satisfaction.

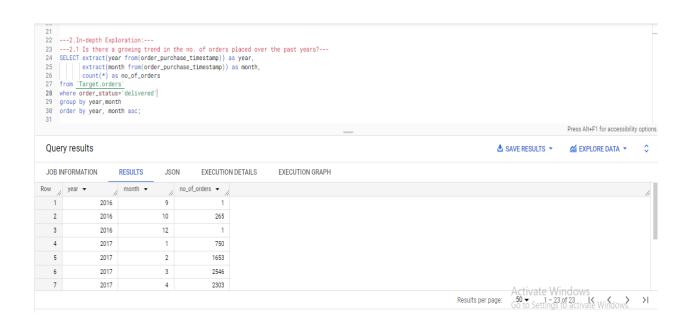






PERSONAL HISTORY PROJECT HISTORY

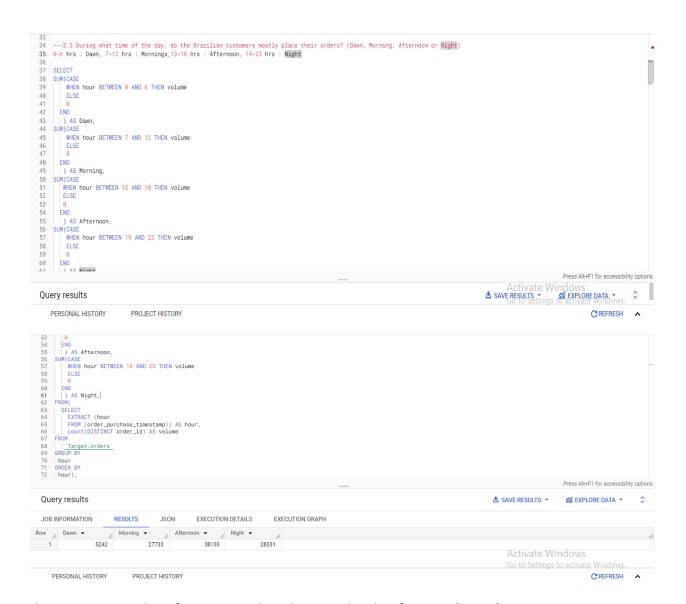




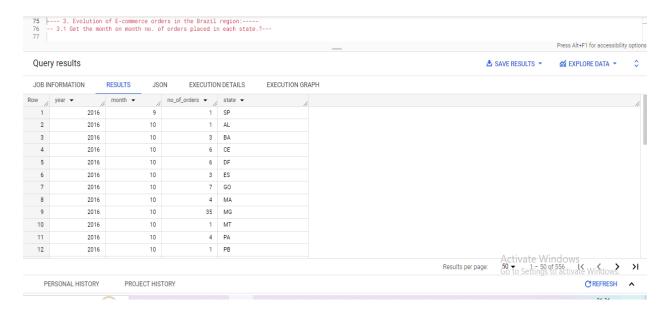
"YES", there is a growing trend in the number of orders as seeing by the month on month numbers.

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---2.2 Can we see some kind of monthly seasonality in terms of the no. of orders being placed?---
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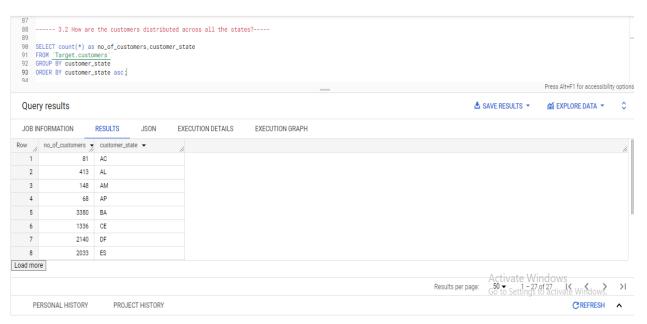
- "YES", It is observed that the winter season has the maximum sales(Oct.,Nov.,Dec.).



The maximum number of transactions have happened in the afternoon (38135).



This helps us to target the potential products on particular month to bring most revenue and also inform marking team to market to product in that area.



This show that the most wanted state having the highest demand of product. This helps production team to evaluate how much product they need in particular states.

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---4. Impact on Economy: Analyze the money movement by e-commerce by looking at order prices, freight and others---
96 ---4.1 Get the % increase in the cost of orders from year 2017 to 2018 (include months between Jan to Aug only).
97 You can use the "payment_value" column in the payments table to get the cost of orders.----
99 WITH
100 year:
     yearly_revenue AS (
SELECT
EXTRACT (year
101
102
103
104
         FROM
           o.order_purchase_timestamp) AS year,
          SUM(p.payment_value) AS revenue,
106
107
         FROM
         <u>'Target.orders'</u> AS o
108
109
        'Target.payments' AS p
110
111
112
113
114
115
116
117
118
119
         o.order_id = p.order_id
         WHERE
         o.order_status = 'delivered'
         AND EXTRACT (month
          FROM
        | o.order_purchase_timestamp) BETWEEN 0
| AND 8
| GROUP BY
         year),
120
         prev_year_revenue AS [
121
122
         SELECT
*
118
119
120
121
122
123
124
125
126
127
128
129
130
         year),
prev_year_revenue AS (
         *,
LAG(revenue) OVER (ORDER BY year ASC) AS prev_revenue
FROM
         yearly_revenue)
SELECT
*.
         (revenue-prev_revenue)/prev_revenue*180 AS per_increase FROM
         prev_year_revenue;
                                                                                                                                                                              Press Alt+F1 for accessibility options.
  Query results

▲ SAVE RESULTS ▼

                                                                                                                                                                                                    Go to Settings to activate Windows.
      PERSONAL HISTORY
                                    PROJECT HISTORY
                                                                                                                                                                                                               C REFRESH ▲
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