

 **Olist**
STORE ANALYSIS

TOOLS USED

Excel

SQL

PowerBI

Tableau

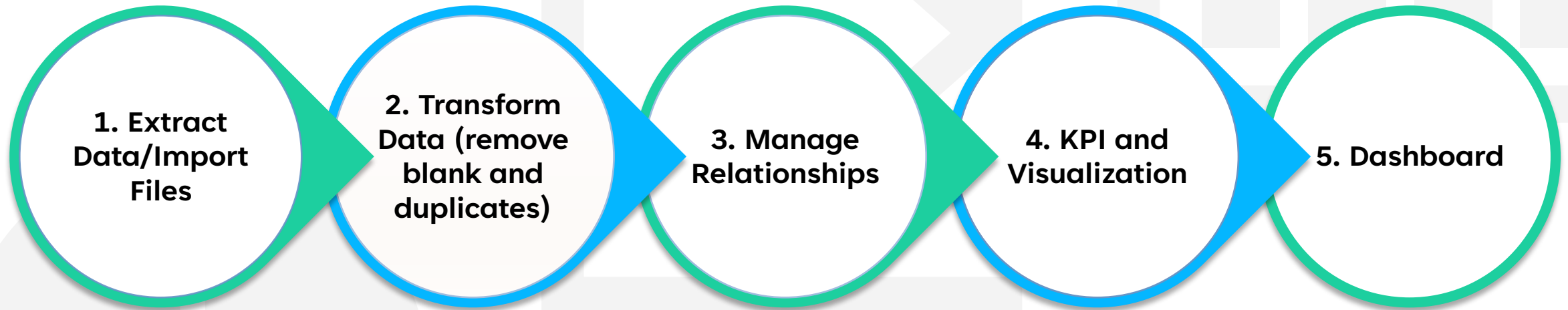


OVER VIEW

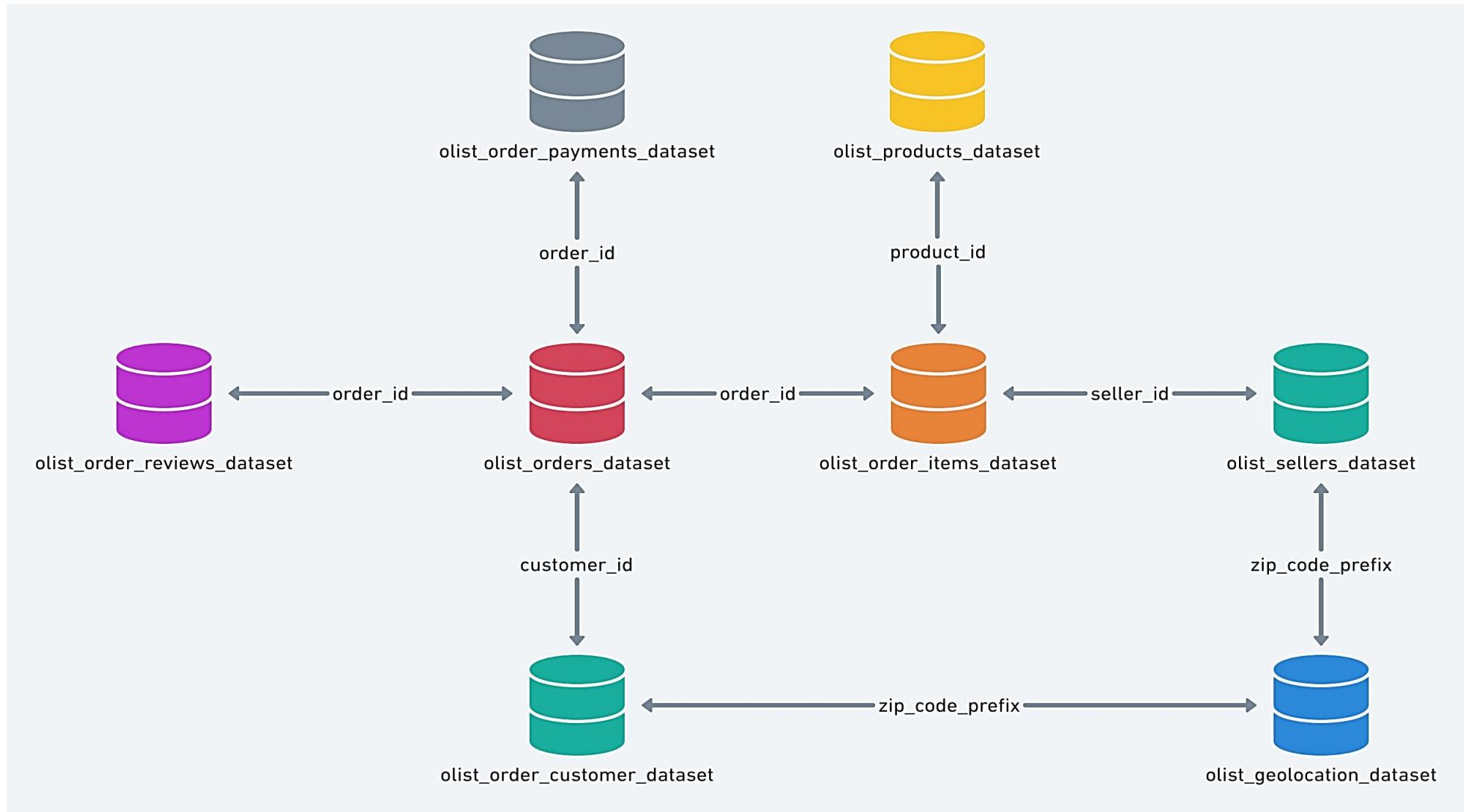
The Olist Store Analysis project aims to analyze customer purchasing patterns and payment statistics on an Ecommerce platform, Olist. This project covers several key performance indicators (KPIs) such as weekday vs weekend sales, payment statistics, delivery time, and customer behavior. The analysis is based on nine CSV files, which are cleaned and manipulated to extract valuable insights.



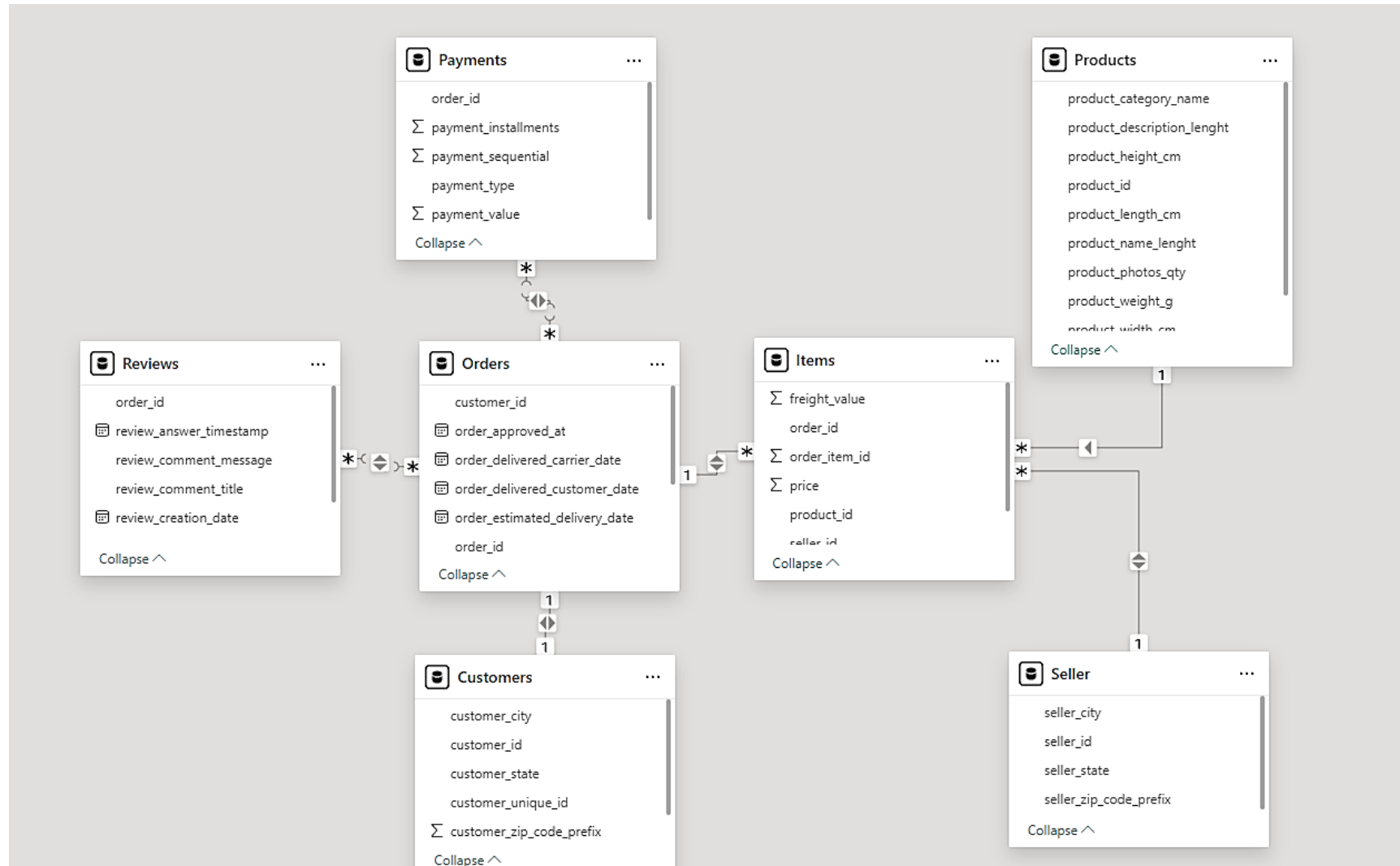
PROJECT WORKFLOW



JOINS



RELATIONS



KPI's

KPI 01

Weekday Vs Weekend (order_purchase_timestamp) Payment Statistics

KPI 02

Number of Orders with review score 5 and payment type as credit card

KPI 03

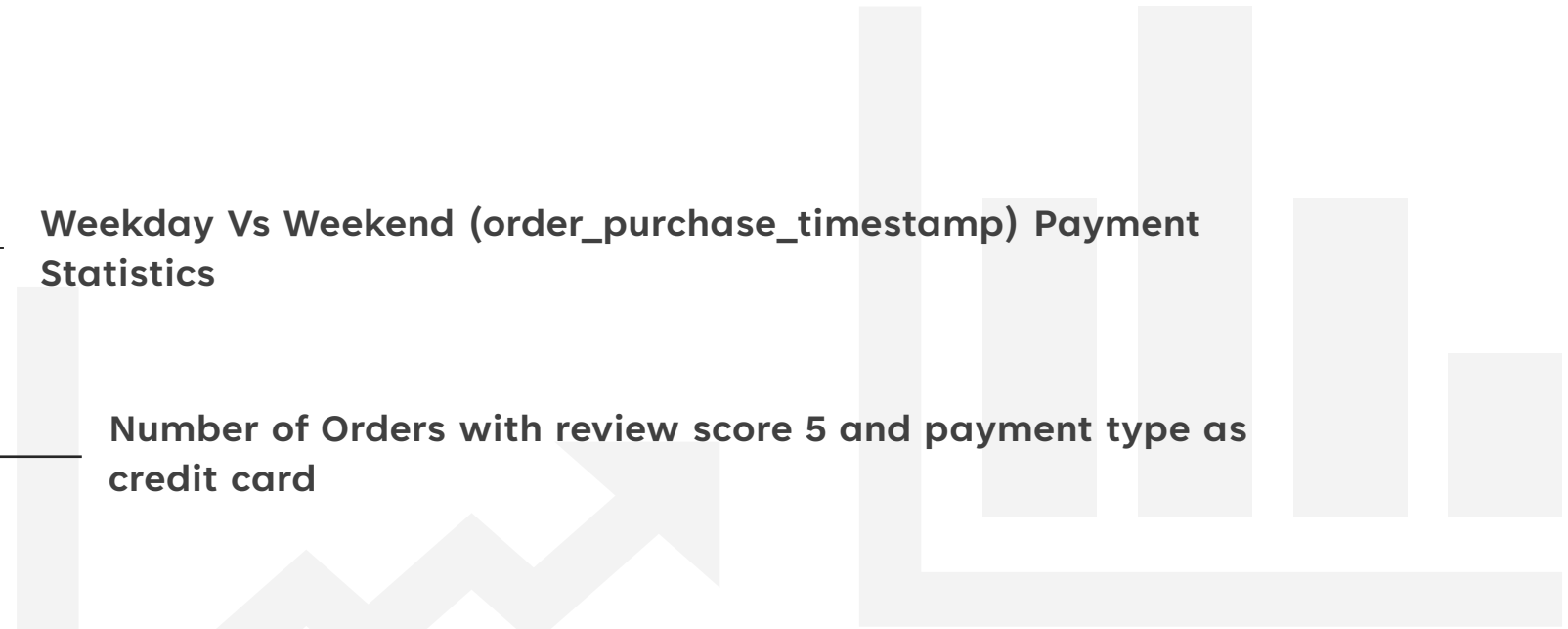
Average number of days taken for order_delivered_customer_date for pet_shop

KPI 04

Average price and payment values from customers of Sao Paulo city

KPI 05

Relationship between shipping days (order_delivered_customer_date - order_purchase_timestamp) Vs review scores.

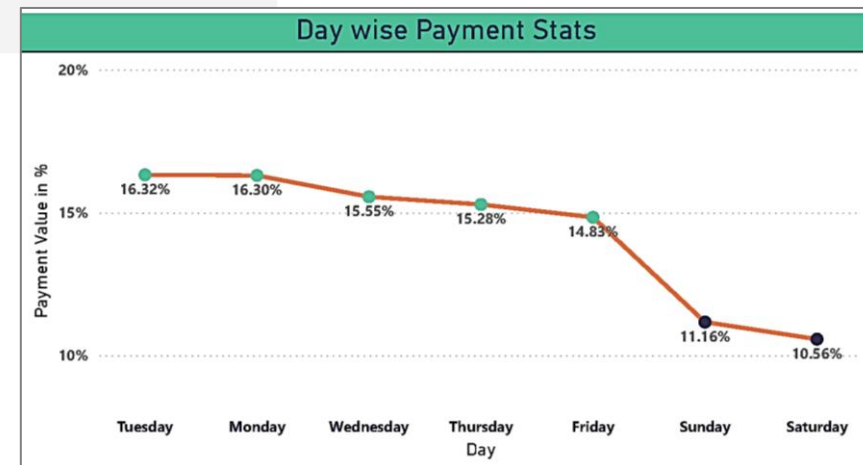
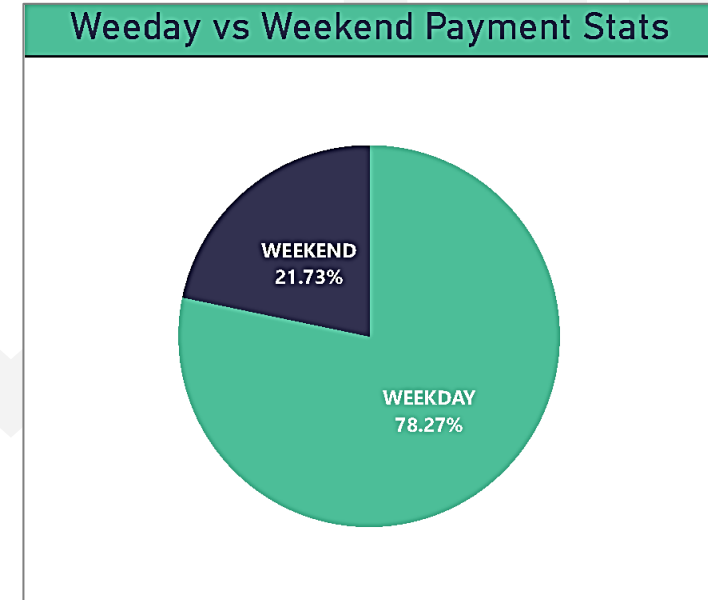


KPI 01

Weekday Vs Weekend (Order_purchase_timestamp) Payment Statistics

This defines the split-up of the sale between the weekdays and weekends.

1. Weekday racks up 78.27% of the total sales
2. Where as the weekend account for 21.73% of the total sales.
3. Even though weekday takes up 5 days against the weekends with 2 days.
4. The Day wise study, confirms that there is significant dip in the sales, comparing the Friday and Saturday.

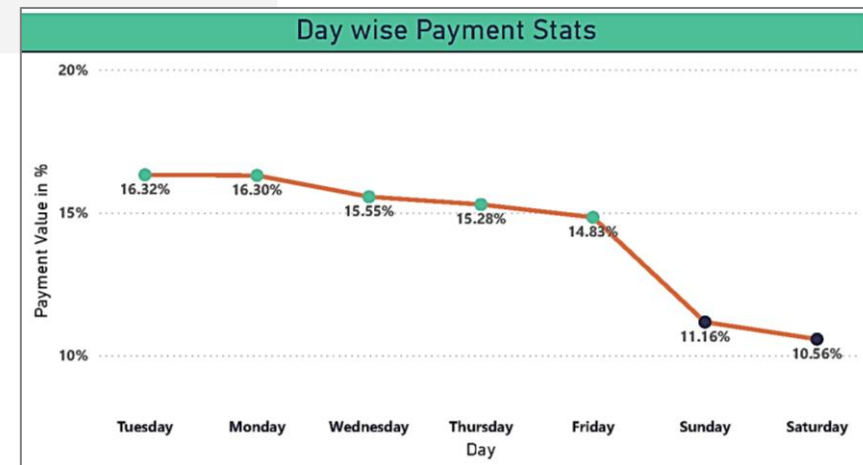
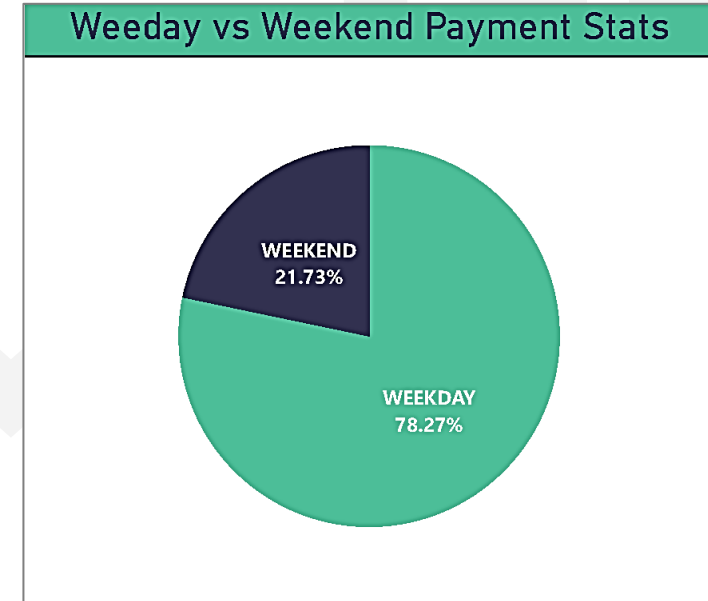


KPI 01

Weekday Vs Weekend (Order_purchase_timestamp) Payment Statistics

Suggestions to increase the sales

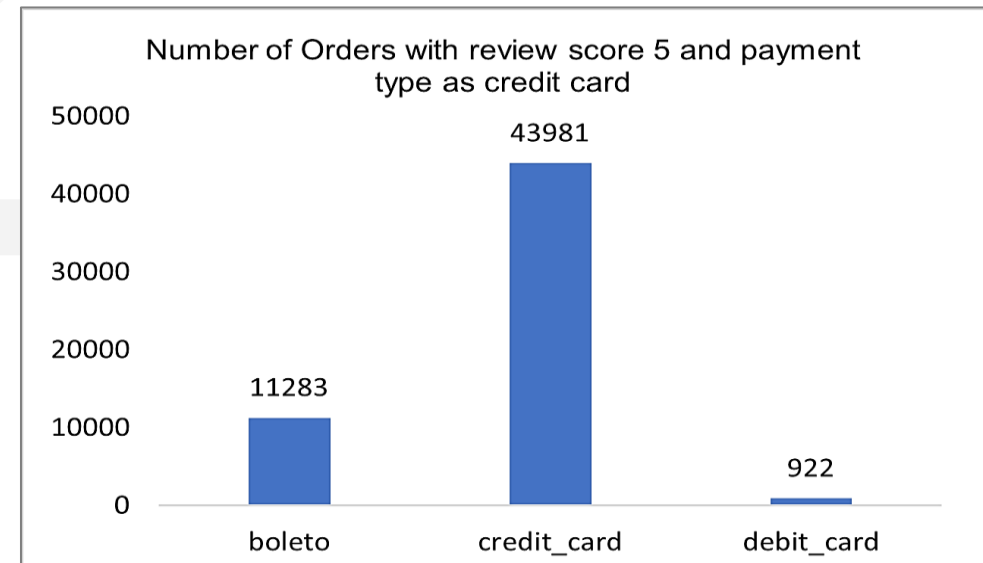
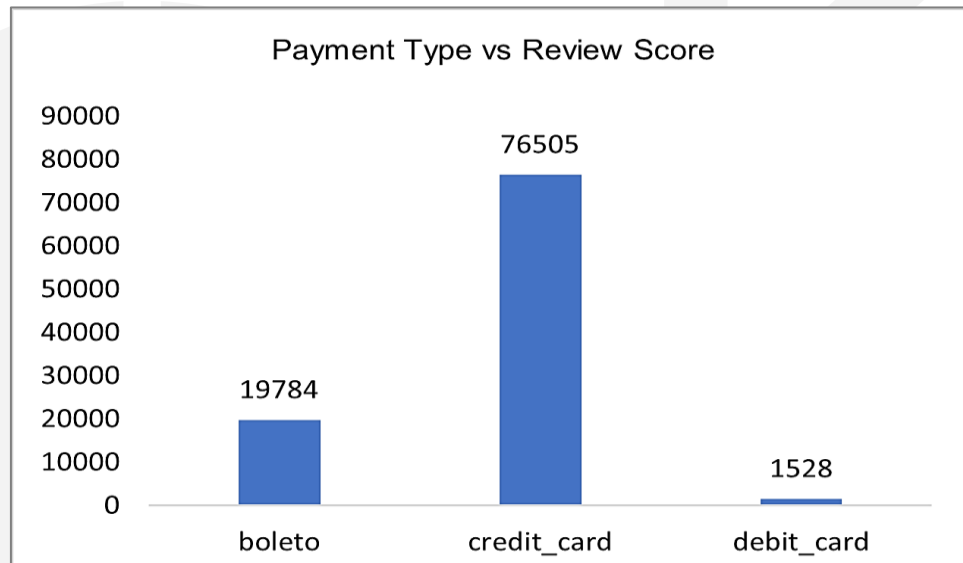
1. Providing discounts and offers during the weekends
2. Issuing of weekend specific coupons to the customers
3. Conducting leisure activities and events like food festival, entertainments around the stores during the weekends
4. Aggressive marketing to promote the above listed ideas.



KPI 02

Number Of Orders With Review Score 5 And Payment Type As Credit Card

- This KPI analyzes the number of orders with a review score of 5 and payment type as credit card. This helps in understanding customer satisfaction levels and payment preferences.
- The total number of orders using credit card is 76,505, amongst which 43,981 are with the review score of 5 which is 57% of the total order.



KPI 03

Average Number Of Days Taken For Order_delivered_customer_date For Pet_shop

- **Average Shipping Days:**

Shipping for the Pet Shop category takes between 11 to 13 days.

- **Significance of Shipping Duration:**

Timely delivery is critical for customer satisfaction and repeat business.

Current shipping times exceed the expected duration.

- **Conclusion**

- **Current Performance:**

- The average shipping time of 11 to 13 days is longer than desirable.

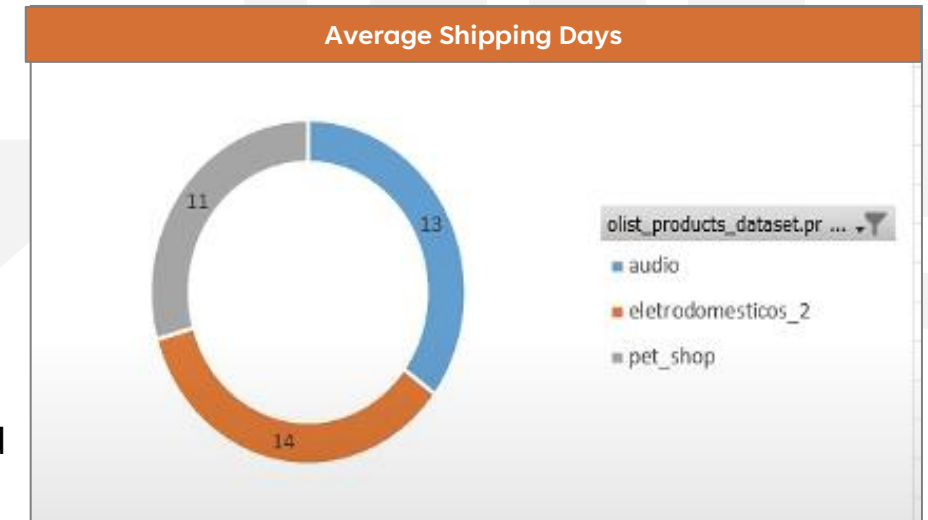
- **Impact**

- Prolonged shipping times can lead to customer dissatisfaction and potential loss of future sales.

- **Recommendations:**

- **Streamline Logistics:** Optimize logistics and supply chain processes.
- **Vendor Management:** Improve collaboration with vendors for quicker dispatch and better inventory management.
- **Technology Integration:** Implement advanced tracking and automated systems to enhance efficiency.
- **Customer Communication:** Enhance communication with customers regarding delivery times and provide regular updates.

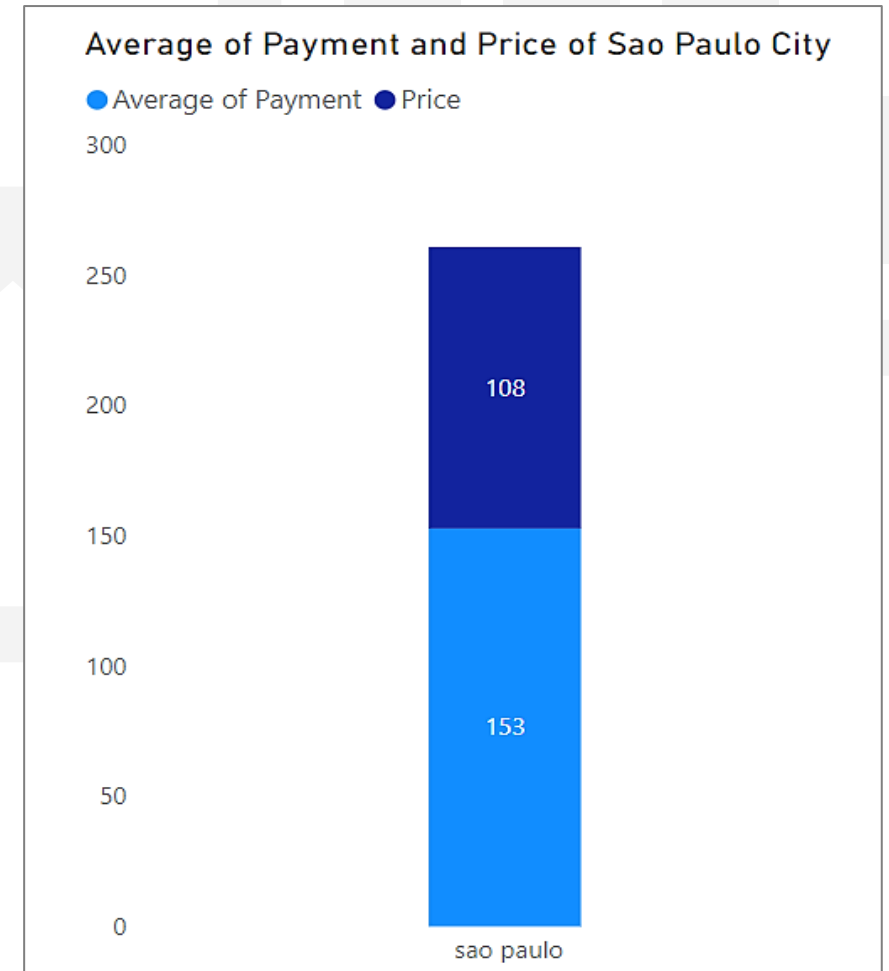
- **Overall conclusion:** Olist Store should focus on reducing shipping days for the Pet Shop category to boost customer satisfaction and drive growth.



KPI 04

Average Price And Payment Values From Customers Of Sao Paulo City

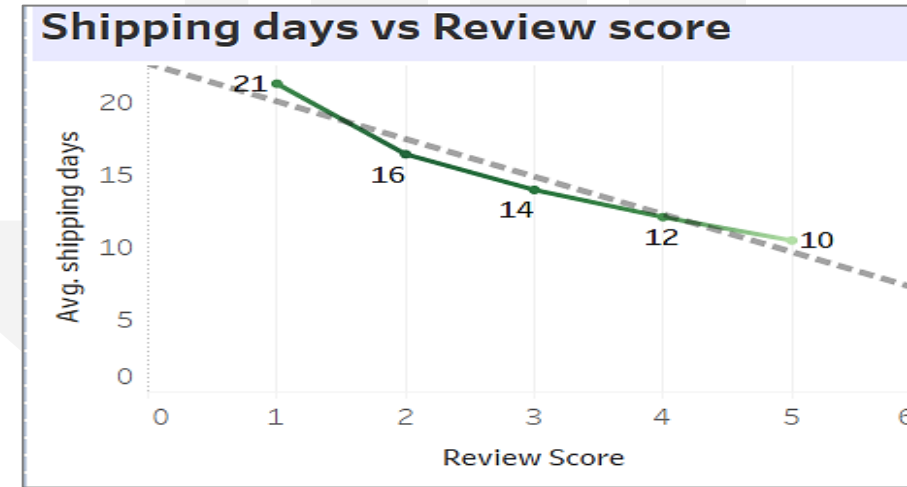
- According to the analysis the average payment value and price of Sao Paulo city is 154 and 108.
- Sao Paulo is the most populous city in the Brazil and consider as global city with impressive statistics so we can advise that this city is profitable city to invest in.
- Olist have correctly work on its pricing strategy and need to focus on bringing competitive prices to sustain in long run.
- Payment: The customers in Sao Paulo city highly prefer payments by credit card.
- Price: In Sao Paulo city the purchase order is higher than other regions
- Suggestion: To offer competitive prices that align with customer expectation and market condition in each location.



KPI 05

Relationship Between Shipping Days (Order_delivered_customer_date - Order_purchase_timestamp) Vs Review Scores

- The chart likely shows that as the number of shipping days increases, the review score tends to decrease. This suggests a negative correlation between shipping days and customer satisfaction (as represented by the review score).
- Review Score 1 (21%): A significant percentage of customers who gave a review score of 1 experienced longer shipping times. This suggests that delayed shipping is a major factor contributing to extremely low satisfaction.
- Review Score 5 (10%): The lowest percentage here indicates that customers who gave the highest review score of 5 likely experienced the shortest shipping times, leading to higher satisfaction.
- **Conclusion:** The chart reinforces the idea that shipping days play a crucial role in customer satisfaction at Olist Superstore. The longer the shipping time, the lower the review scores, reflecting decreased customer satisfaction.
- **Suggestions:**
 - Efficient logistics and timely delivery .
 - Offer same-day or next-day delivery in urban areas where demand is high.
 - Consider expanding or relocating fulfillment centers closer to major customer hubs. This will reduce transit times and ensure quicker delivery to a larger customer base.



Relationship between shipping days and review score	
1	21.31
2	16.65
3	14.26
4	12.31
5	10.68

EXCEL DASHBOARD

Olist Store Performance Analysis

Order_year

2016

2017

2018

Quarter

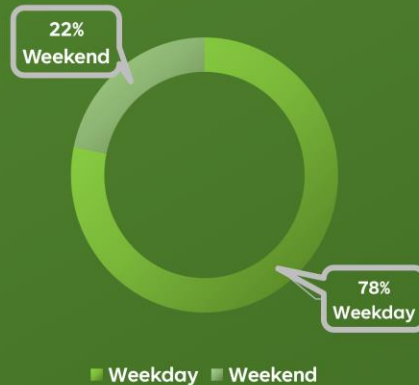
Q1

Q2

Q3

Q4

Weekday/Weekend Payment Statistics



Credit Card Orders
with Review score of 5

43856

Avg Delivery Days for
Pet Shop Orders

11.21

Avg Price & Payment of sao Paulo
Customers



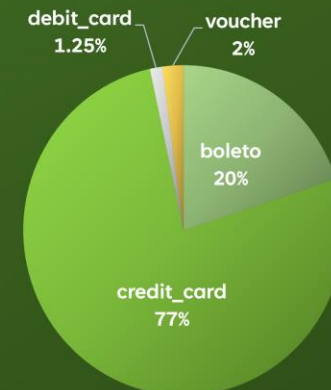
Avg Delivery Days vs Review Score



Top Performing Product Categories



Preferable Mode of Payment



POWR BI DASHBOARD

Clear all slicers



Sales Performance Analysis

Year

2016

2017

2018

Quarter

Qtr 1

Qtr 2

Qtr 3

Qtr 4

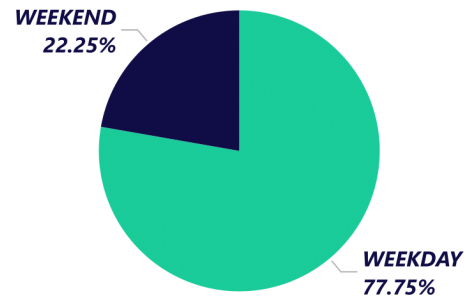
Credit Orders
with 5 Score

6443

Avg of Ship days
for Pet Shop

10.63

Weekday vs Weekend Payment Value

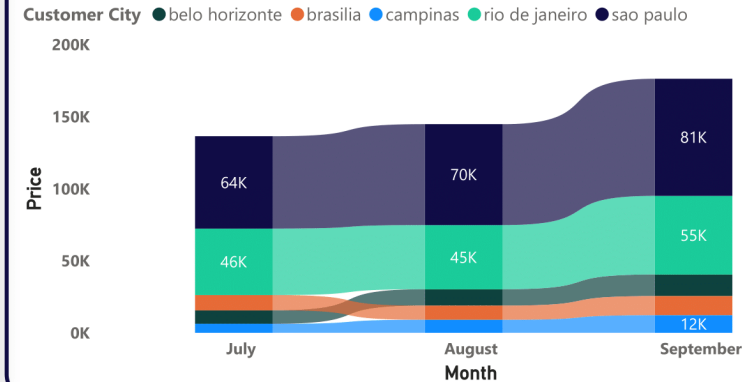


Sao Paulo Cust Avg Price & Payment value

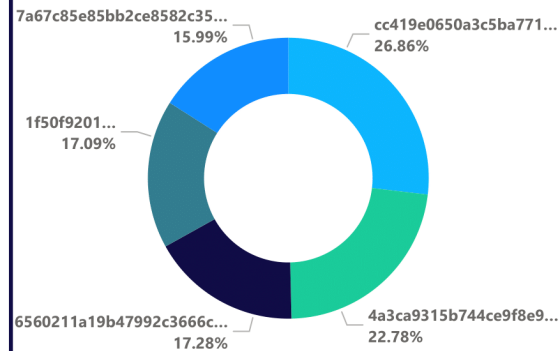
● Avg Price ● Avg Payment Value



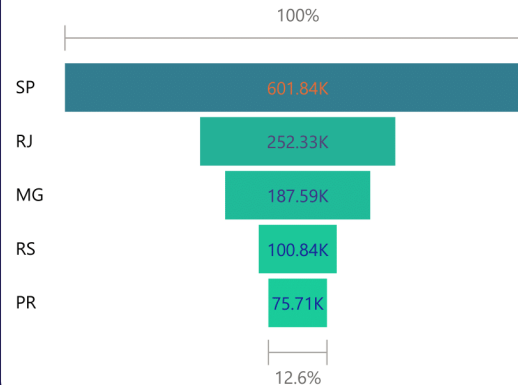
Month wise performance of Top5 Cities



Order count of Top 5 Sellers



State wise Sales Distribution



Impact of Shipping days on Review Rating

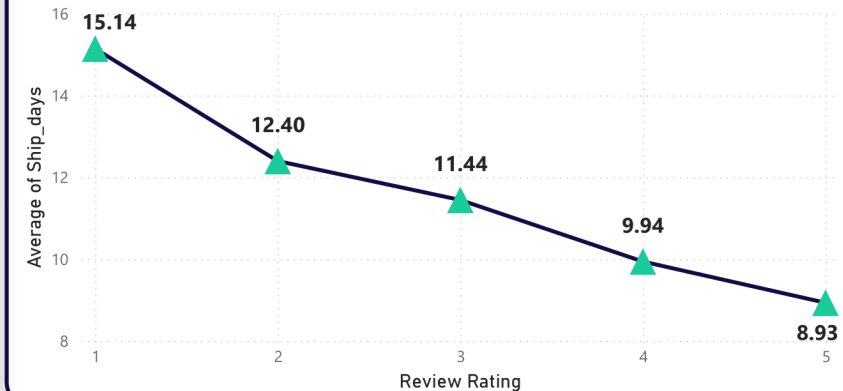


TABLEAU DASHBOARD

OLIST SUPER STORE ANALYSIS REPORT



Payment Type

credit_card

Year

(All)

Customer City

sao paulo

Product Category Nam..

pet_shop

44K

No of orders with credit card payment and review score 5

11

Avg Delivery days for pet shop

213

TOTAL CUSTOMERS

1.64M

TOTAL PROFIT

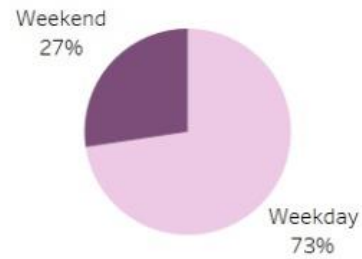
0.03M

Total sales

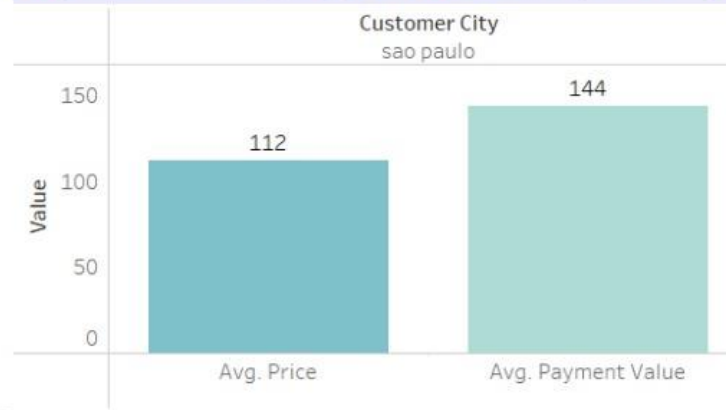
58

Sellers

Weekday/Weekend Payment



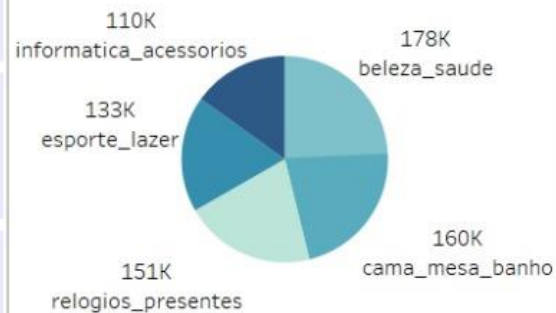
Avg Price and Avg Payment from sao paulo city



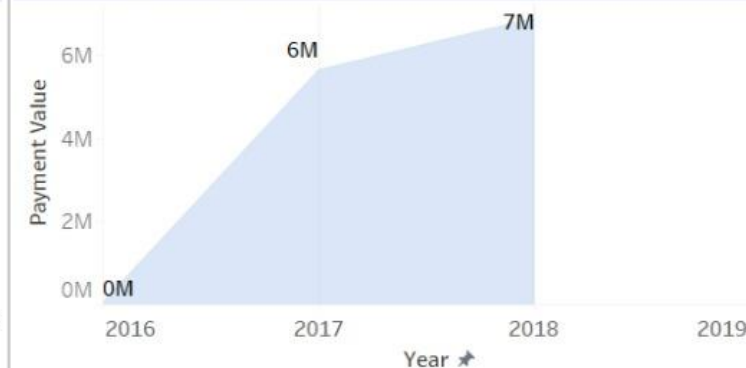
Shipping days vs Review score



Top 5 product by payment



Year wise total payment



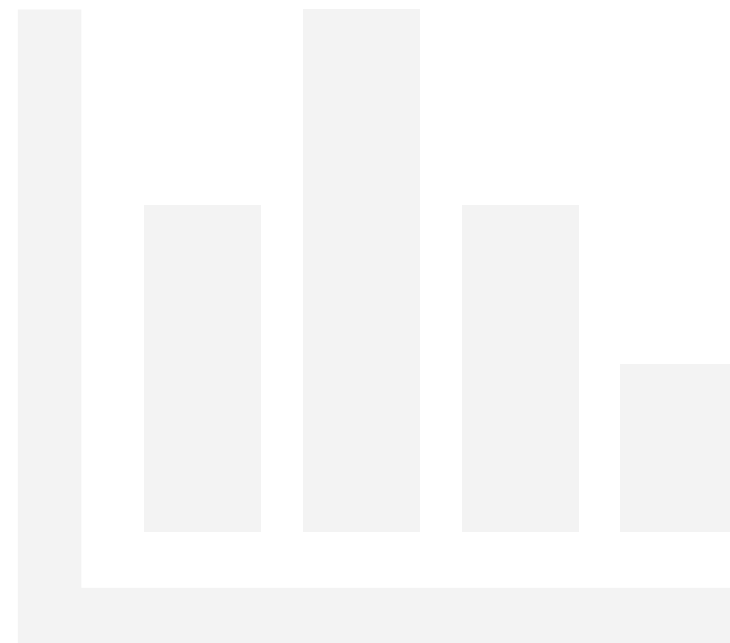
Top 5 customers by Payment



CONCLUSION

The Olist Store Analysis project provides valuable insights into customer behavior and payment statistics. The analysis of these KPIs helps Olist in identifying areas of improvement and creating targeted marketing campaigns. As a data analyst, I have used Excel and Power BI to clean and manipulate the dataset and create meaningful visualizations. This project serves as a great example of how data analysis can help businesses make informed decisions.





THANK YOU