

Brazilian e-commerce online store

Sales Analysis

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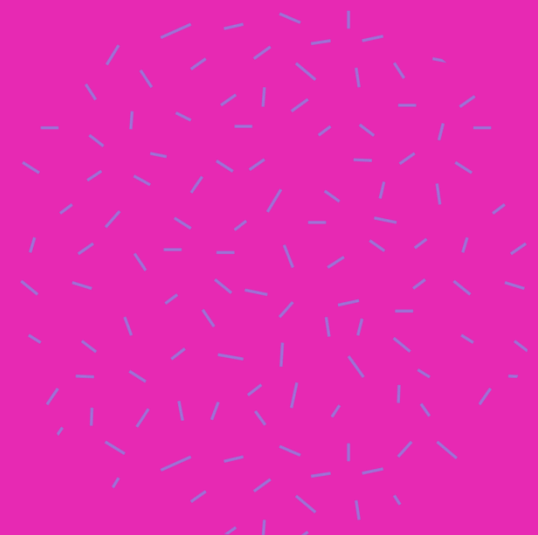
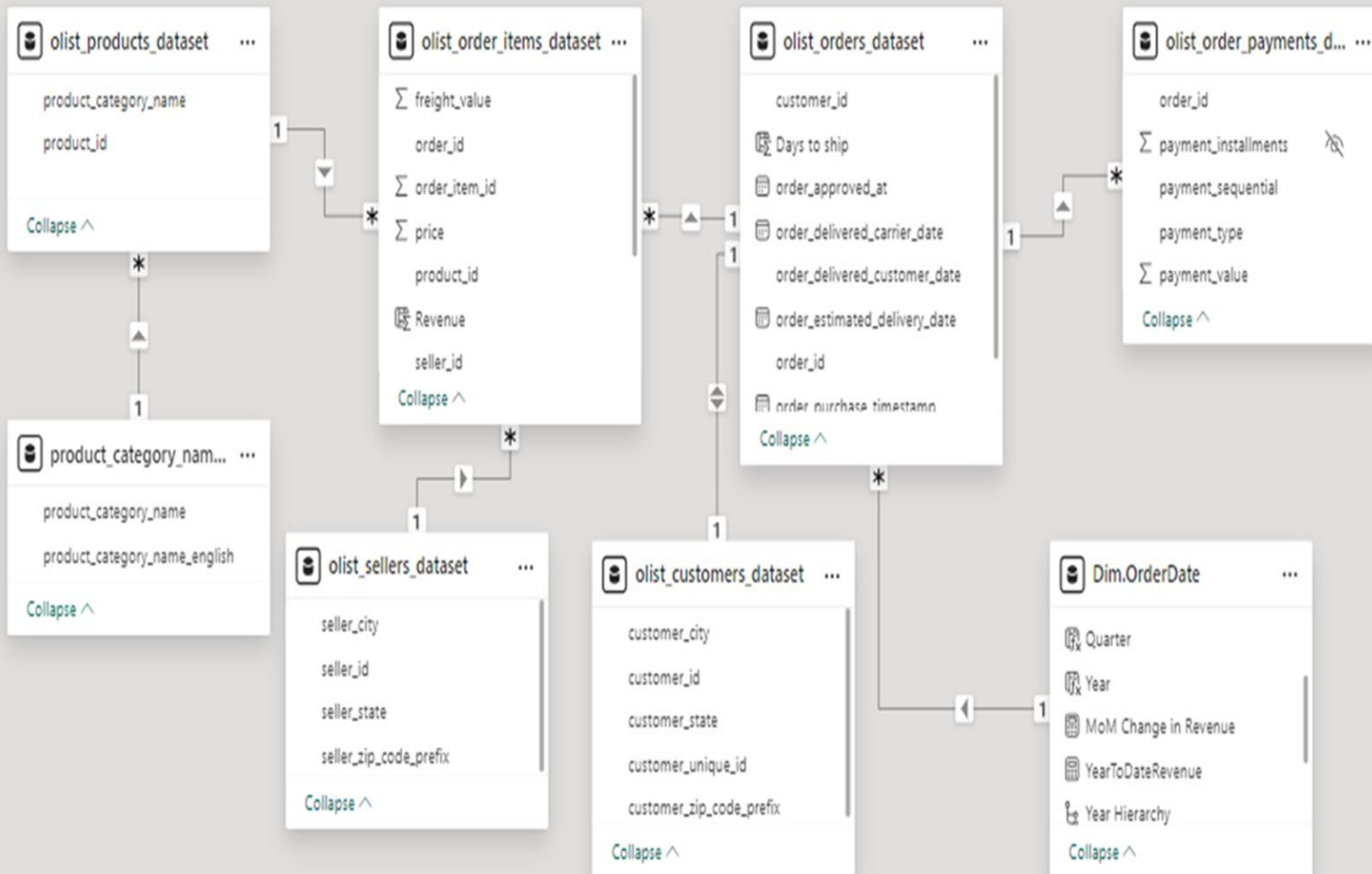
Overview

The aim of this project is to visualize and enhance the performance of an online store sales in brazil .

By Bower BI software , The store data will be connected and analyzed , also DAX will be used like Month over Month change in revenue so that we can highlight the strengths of the store sales , this will help determining the suitable recommendation to reach the project's goal .

The store has 8 datasets related to the the orders approved through time period, customers , products ,product categories and order date , the data is connected in a snowflake schema as shown in the next slide

Data Model



Data Description

The data columns used in the analysis is defined as follows:

Order items

Price

Friegt value

Customer
state

Customer
city

Seller id

Order id

Product
Category

Shipping limit
date

Payment type

Orderdelivered
customer_date

Order
approved at

Product id

Business Questions

Revenue

1. What's the total revenue and total quantity sold over years ?
2. What's the highest state and city in terms of revenue?

Product Categories

3. What are the top 10 products in terms of revenue and their order frequency?
4. What are the top 10 products in terms of order frequency?
5. What's the most popular payment type for customers?

Time Analysis

6. What's the Month over Month Change in revenue ?
7. What's the average days for orders to be delivered ?
8. Which months and quarters did the store approve highest number of orders ?
9. What's the year to date revenue ?

Online Store Sales Analysis

(Brazil)

Year
All

Notes :

In the overview page :

1. you will find the year 2018 has the highest revenue and total quantity sold .
2. It's clear that there is no information about sales in 2019 .
3. The global trend of revenue shows that revenue was very low in 2016 , but it increased through 2017 and 2018 .
4. Sao Paulo is the highest revenue generator city .

Navigation

Overview

Product Analysis

Time Analysis

18M

Total Revenue

135K

Total Quantity

99K

No. Customers

99K

NO.Orders

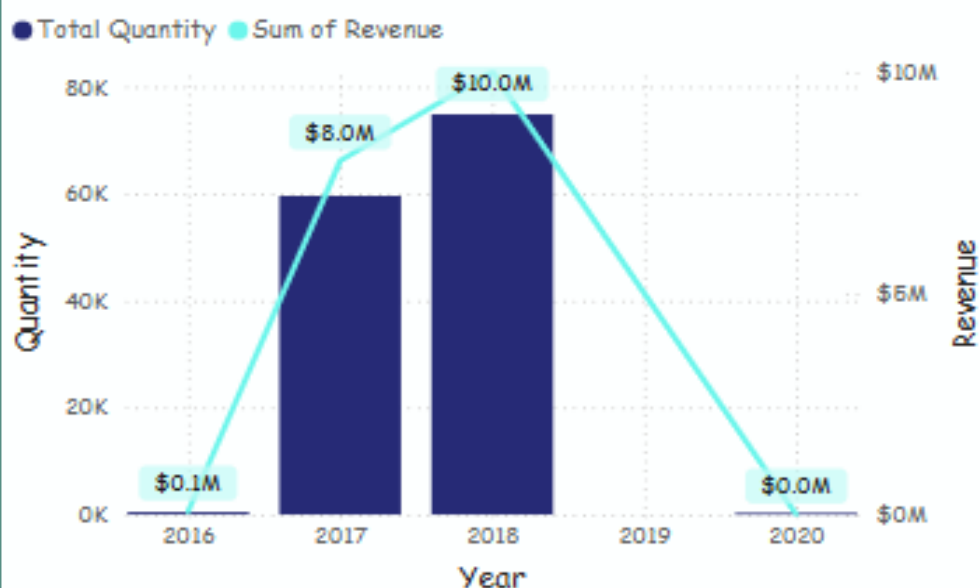
73

No.ProductCategories

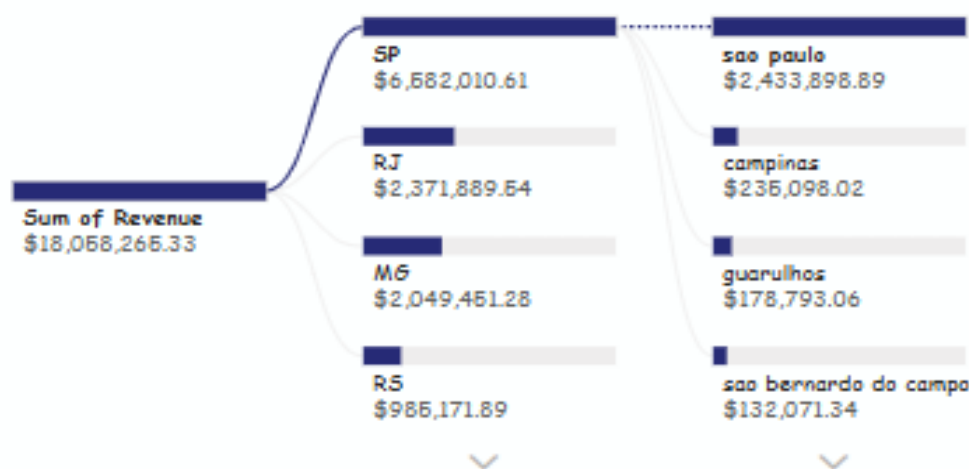
3095

No. Sellers

Revenue and Quantity by year ,quarter and month



customer_state x customer_city x



Overview

Product Analysis

Time Analysis

Tooltip for products



Product Analysis

Navigation

Overview

Product Analysis

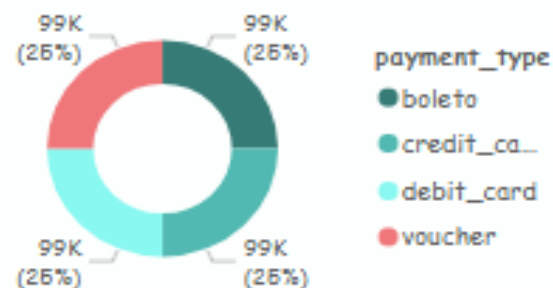
Time Analysis

Year
All

Product Category
All

City
All

Paymenttype by number of orders



73

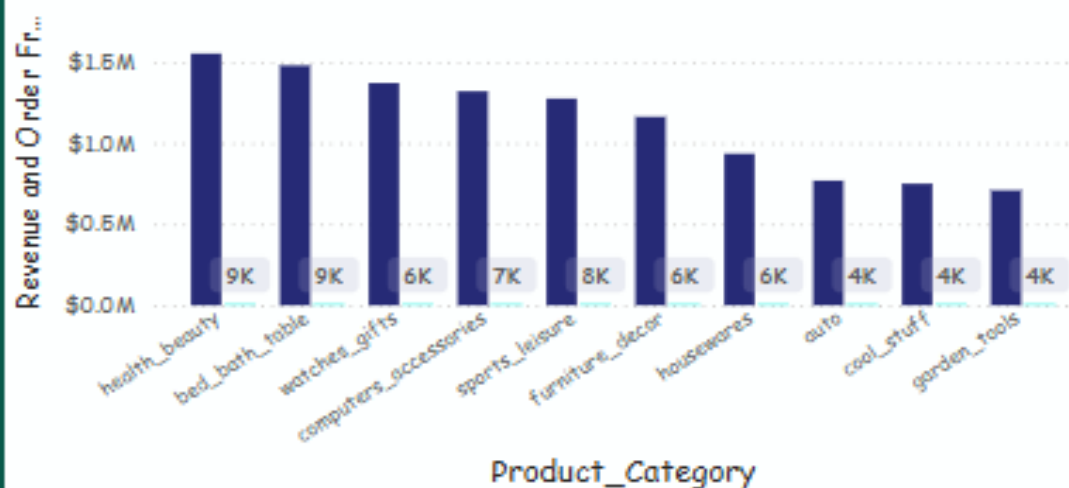
No.ProductCategories

33K

No.Products

Top 10 product categories in terms of Revenue and order frequency

Sum of Revenue NO.Orders

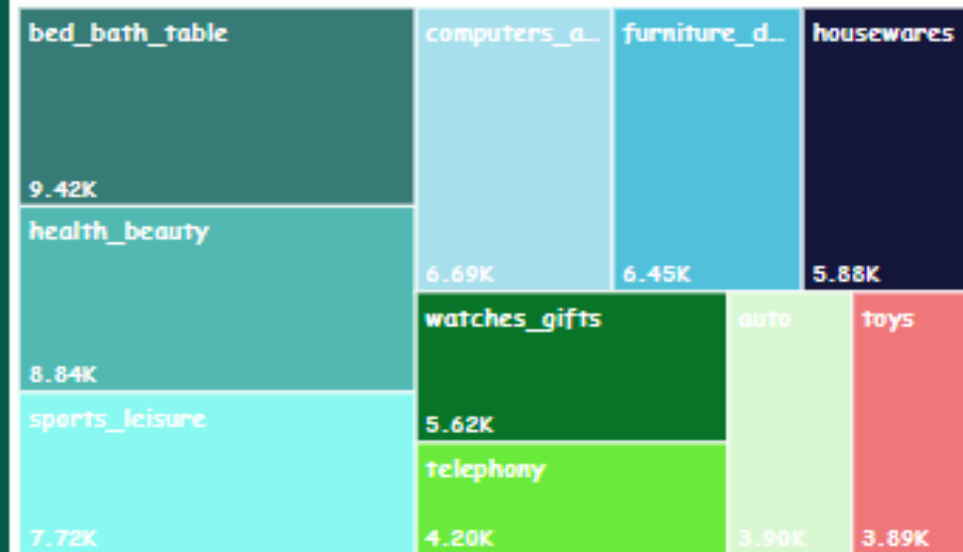


Notes :

In product analysis page :

1. The best two product categories in terms of revenue and order frequency both are the (Bed, Bath & table products , then Health and beauty products).
2. There is no popularity of a specific payment type among customers since the distribution payment types is uniform .

Top 10 product categories in terms of order frequency



Overview

Product Analysis

Time Analysis

Tooltip for products



Time Analysis

Navigation

Overview

Product Analysis

Time Analysis

Year

All

Quarter

All

Month

All

18.06M

Total Revenue

\$10.44M

YearToDateRevenue

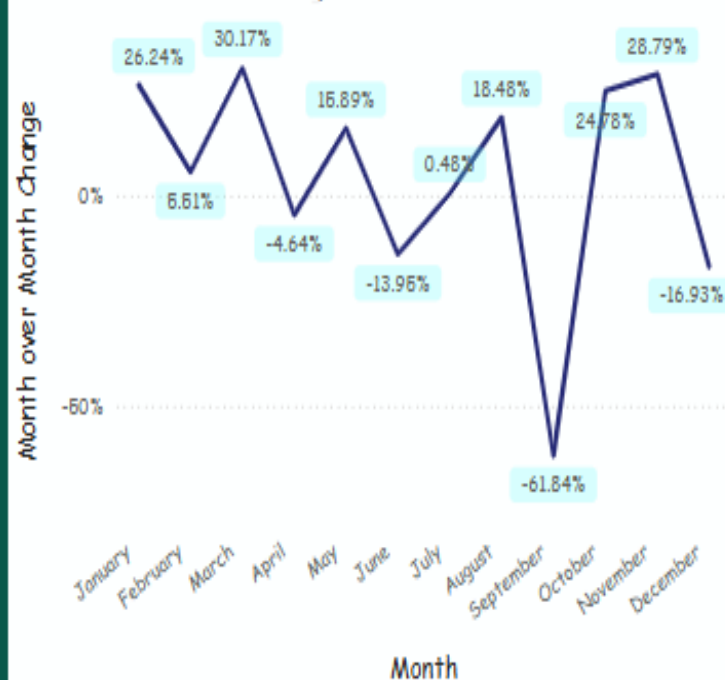
2.72%

MoM Change in Revenue

12

Avg. days_to_deliver

Month over Month Change in Revenue



Notes :

In time analysis page :

1. September has the lowest change in revenue since it decreased by 62% compared to August.
2. The highest increase in revenue happened in March since it increased by 30% .
3. The maximum numbers of orders are shown to be in days of the months : April , May ,June July and August , which means that the high number of orders are approved in the second quarter .

Map for number of orders by month and day

Day	January	February	March	April	May	June	July	August	September	October
1	1	284	322	20	65	355	31	470	161	
2	44	328	363	369	483	241	161	453	35	
3	318	152	170	507	524	64	563	482	16	
4	295	32	35	480	462	339	407	261	189	
5	265	291	330	479	245	489	364	46	170	
6	94	359	351	398	44	476	385	345	170	
7	26	308	364	267	392	462	200	527	6	
8	306	313	349	49	496	466	33	492	185	
9	327	292	340	362	503	207	208	506	41	
10	279	150	192	487	503	47	461	515	6	
11	260	28	73	525	501	296	474	283	234	
12	172	7	202	454	255	422	412	45	195	
13	146	100	373	461	45	407	416	445	209	
14	12	440	403	118	436	434	220	556	177	
15	228	401	343	45	569	314	29	534	170	
16	302	410	388	335	550	243	60	528	46	

Filters
Visualizations

Data

Search

- > Dim.OrderDate
- > NeededMeasures
- > olist_customers_dataset
- > olist_order_items_data...
- > olist_order_payments_...
- > olist_orders_dataset
- > olist_products_dataset
- > olist_sellers_dataset
- > product_category_na...

Overview

Product Analysis

Time Analysis

Tooltip for products



Recommendations

1. Availability of fast and interactive communication methods with customers to keep customer loyalty and improve the sales performance of the store .
2. the most popular product categories - specially bed, bath and health, beauty products - among customers should be a part of the .
3. Providing marketing campaigns specially in SauPaulo city to attract larger number of customers .
4. Announcement for offers is better to be in the time period from April to August to increase order volume and revenue .