Brazilian E-Commerce Datawarehouse

Project on **Microsoft SQL Server, SSIS, Power BI**

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Context

This data warehouse is about 100,000 Orders with the product, customer, and review info.
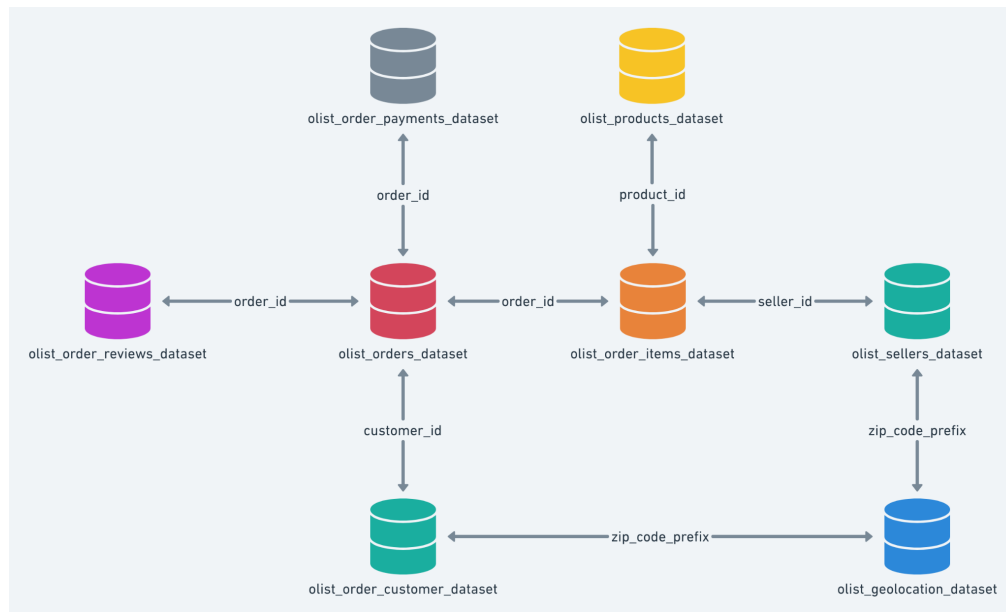
Using Microsoft SQL Server Management Studio, SSIS, Power BI, to integrate and analyze the data, and make interactive and dynamic dashboards to get an overall image of the data, and make it easy and clear for the decision makers to extract insightful information and make fact-based decisions.
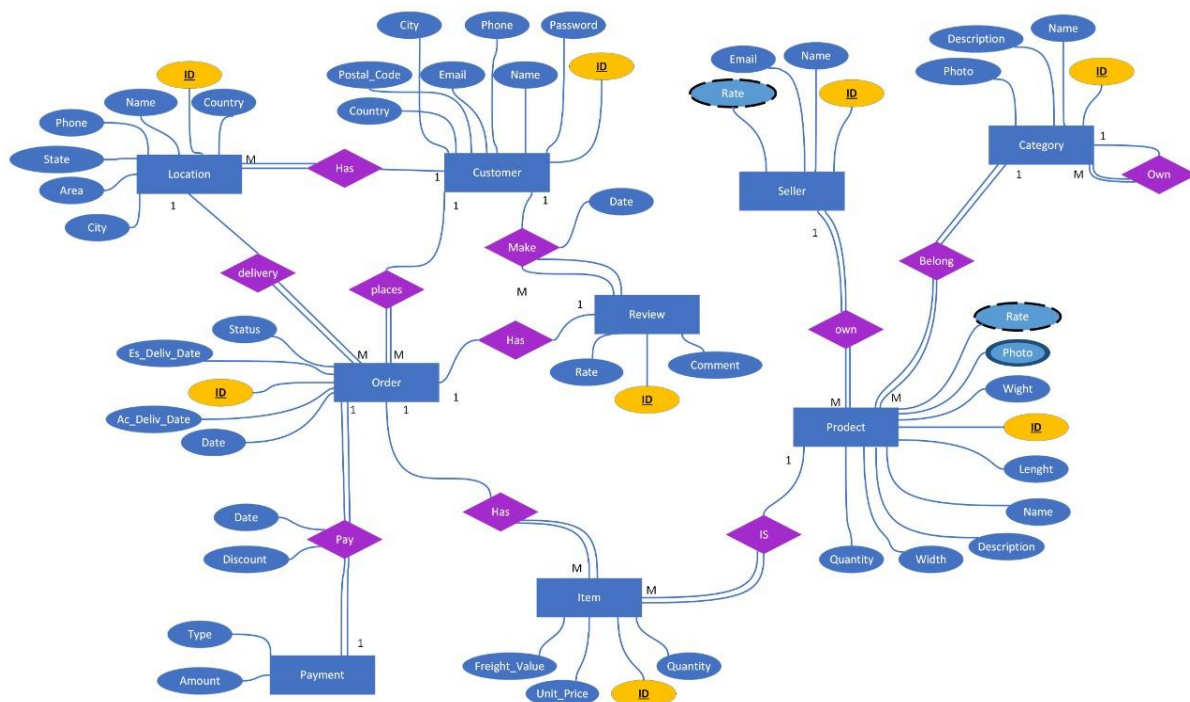
Attention

1. An order might have multiple items.
2. A distinct seller might fulfill each product.
3. Customers can review orders.
4. A Category might have multiple products.
5. Each item might have a quantity from one product.
6. Each order must have a payment method.
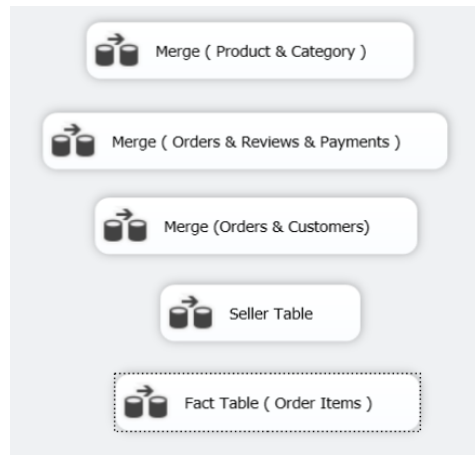7. An order must have a location to deliver to it.

Datasets

Tables and Schema
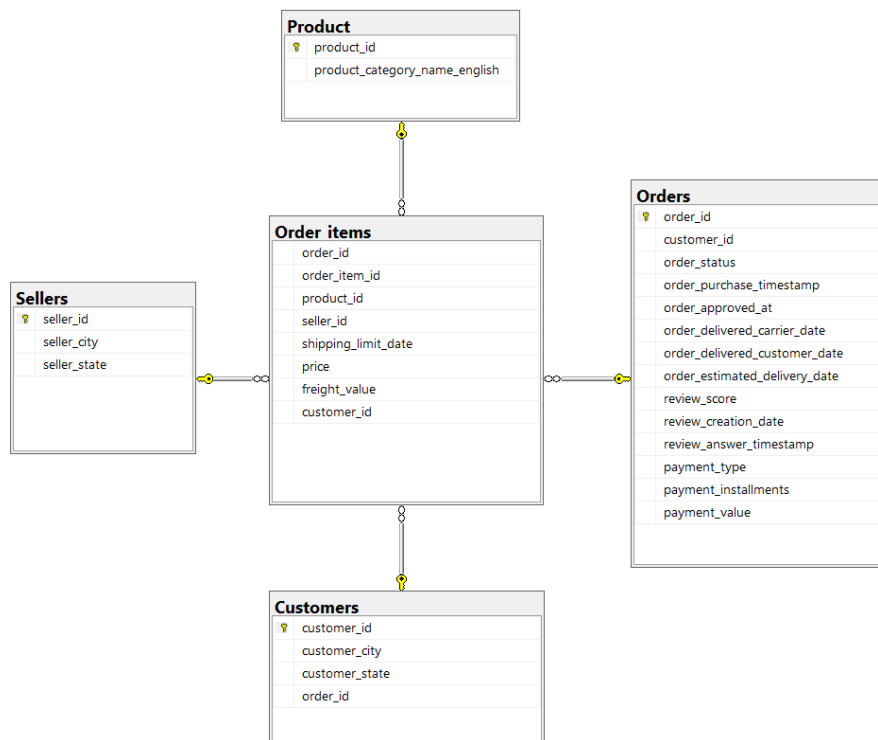

ERD

Datawarehouse

SSIS Data flows

Creating four dimension tables and one fact table to publish in SQL Server.
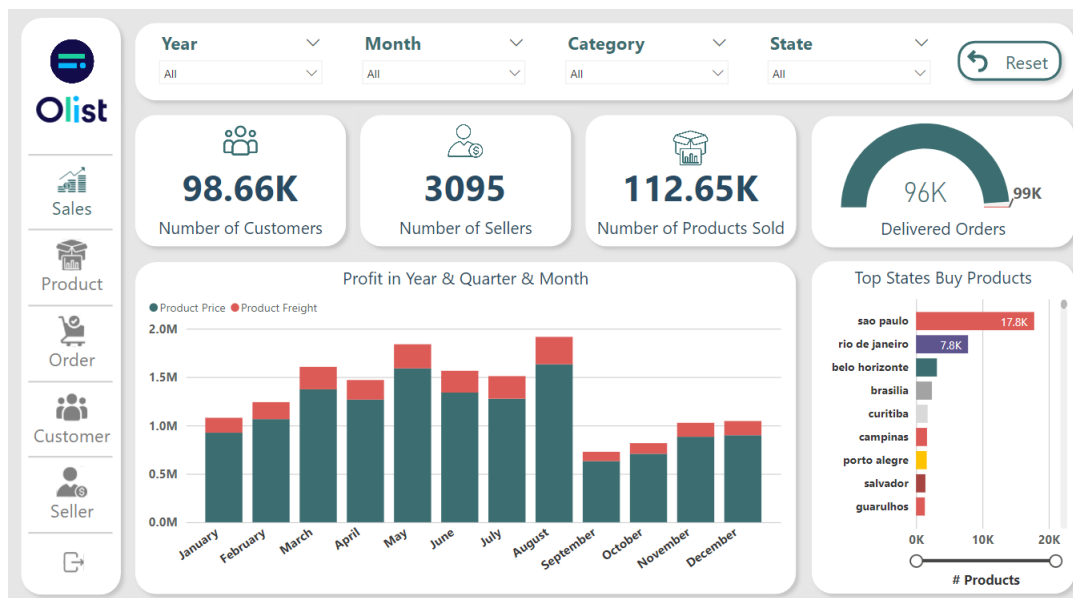

Datawarehouse Diagram

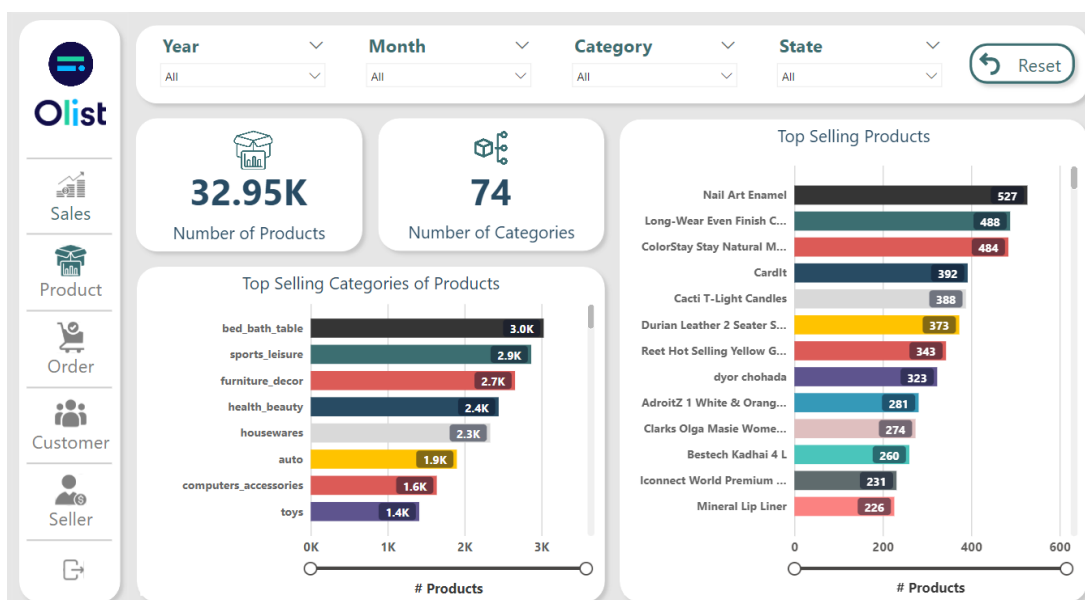The tables have been published from SSIS to make the data warehouse schema.

Dashboards

The dynamic interactive dashboards are tailored from different perspectives, with a fixed filters bar and a change perspectives bar.
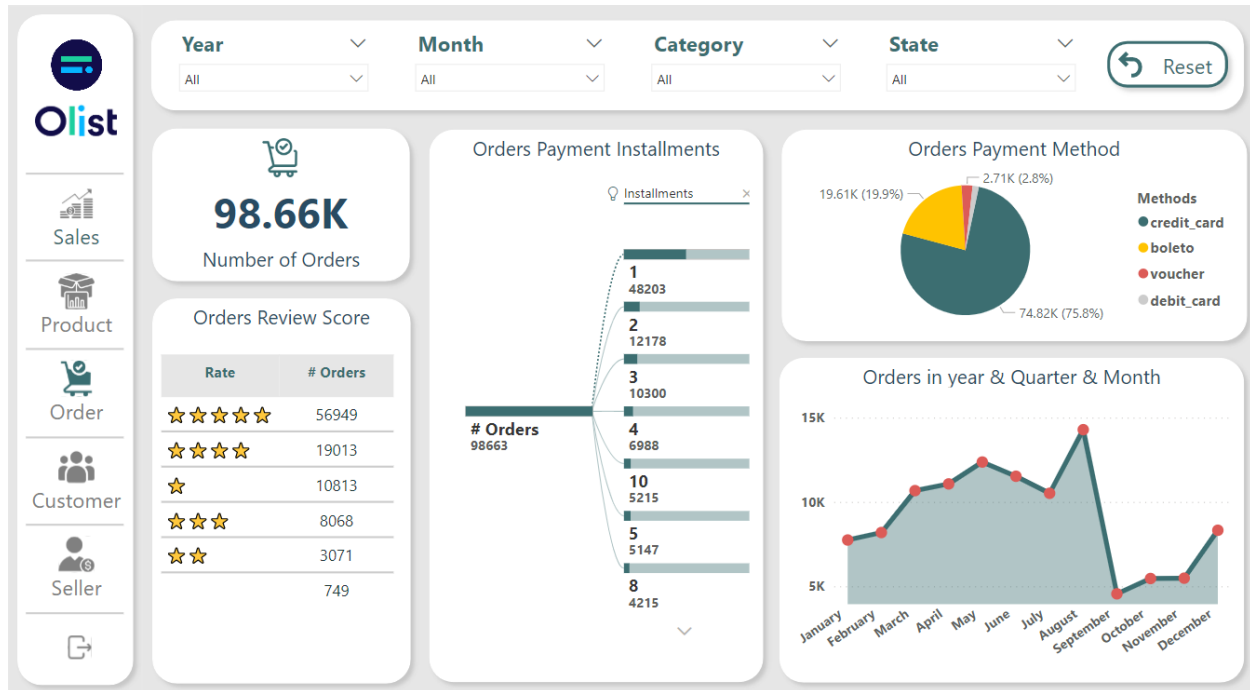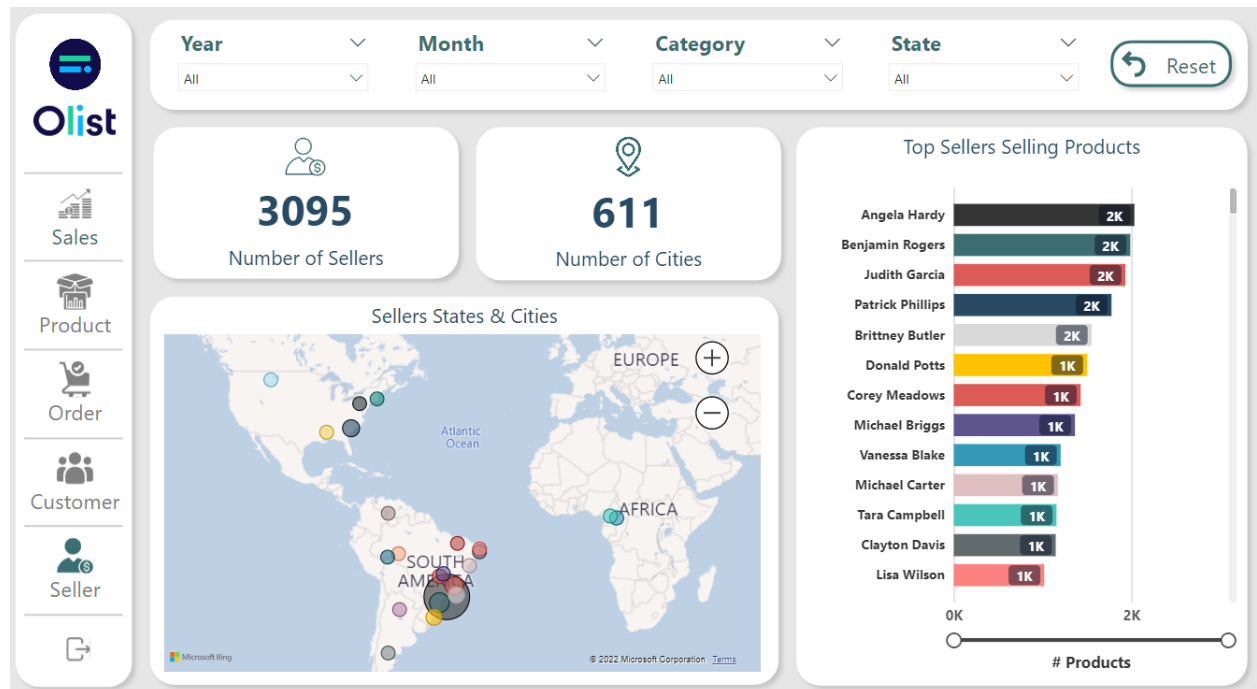
Sales perspective

Products perspective

Orders perspective

Customer perspective

Sellers perspective

With drill throwing to the details of sellers.

Category Name	# Products
bed_bath_table	1572
home_confort	243
furniture_decor	85
toys	55
home_comfort_2	26
baby	5
cool_stuff	1
Total	**1987**

Q&A help tool

To make it easier to whom can extract the needed information from the dashboard.