Sales Dashboard for E-commerce Business

Project Management (How to distribute roles and manage the team, contain project timeline and milestone)

12-12-2024 / 14-12-2024: Data exploration and modeling

15-12-2024 / 17-12-2024 : Data transformation

18-12-2-24 / 22-12-2024 : Creation of Initial Visuals

23-12-2024 / 24-12-2024 : Create Dax measure and Final Demo Preparation.

Goal of project

Build an insightful dashboard to analyze sales data and provide actionable insights for sales improvements.

Data Exploration: explore data dynamically, allowing for analysis and exploration to answer specific business questions.

Define Key Performance Indicators (KPIs): Identify and establish relevant KPIs such as total sales, total profit and average order value This will help track performance and measure success.

Data Visualization: Create compelling and informative visual representations of data to facilitate better understanding and decision-making

- **Visualize Sales Trends**: Aim to create visual representations of sales trends over time, allowing stakeholders to easily identify patterns, seasonal fluctuations, and growth opportunities.
- **Highlight Regional Performance**: Incorporate geographic visualizations to display sales by region, helping to identify high-performing areas and regions that may require additional support or marketing efforts.

Dataset description

Dataset has 5 tables ->

order Data: This includes transaction details such as order ID, date of purchase, total sales amount, unit price and profit, Analyzing sales trends can help identify peak purchasing times and overall revenue performance.

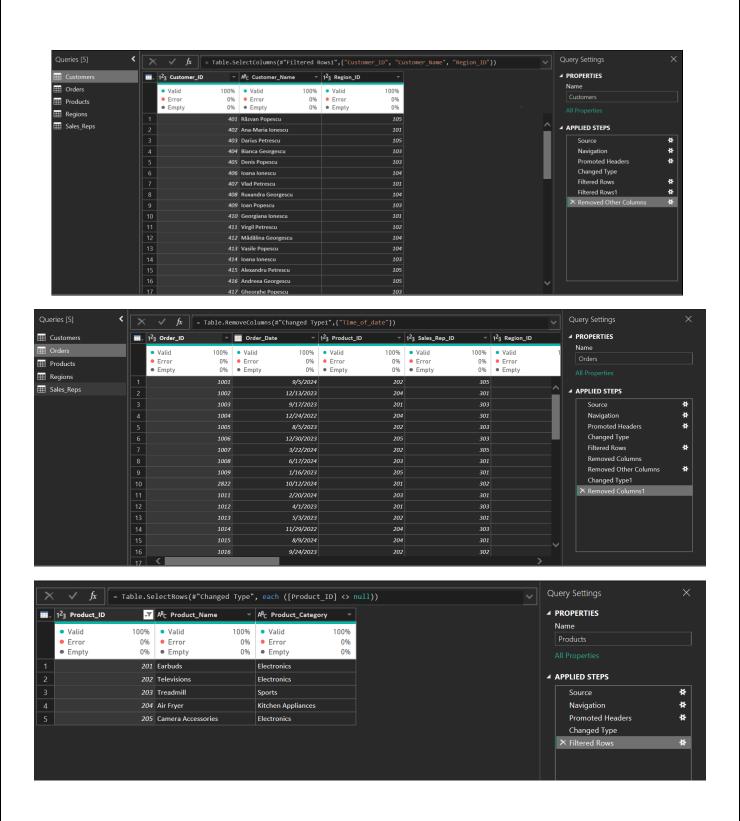
Customer Information: The dataset should contain customer demographics, including customer ID, name and region.

Product Details: This section includes product ID, name and category.

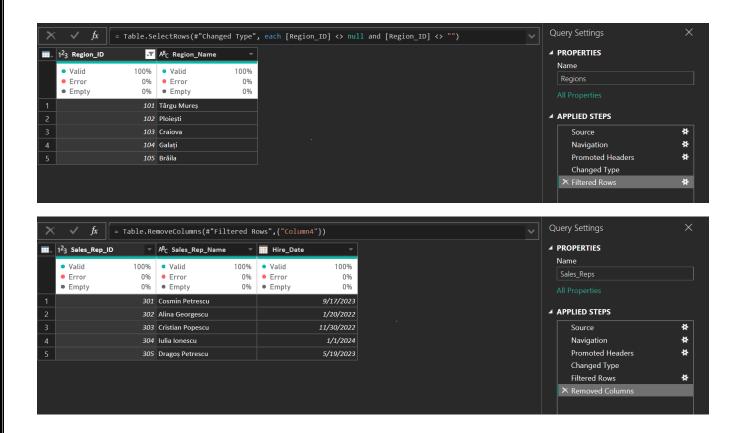
Region Details: Data on regions include region ID, name.

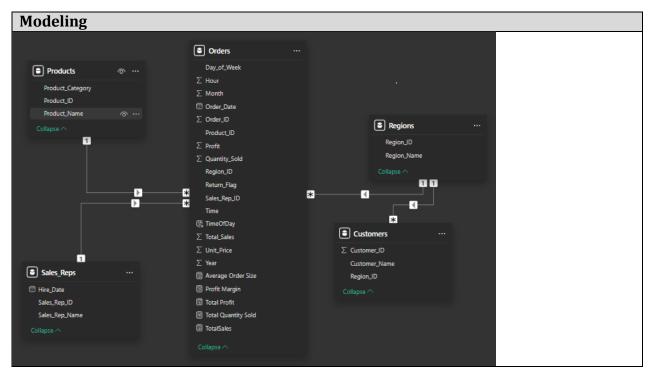
Sales rep information: Data include sales rep name, id and hire date.

Dataset Preprocessing (Load Transform)



Page **2** of **5**



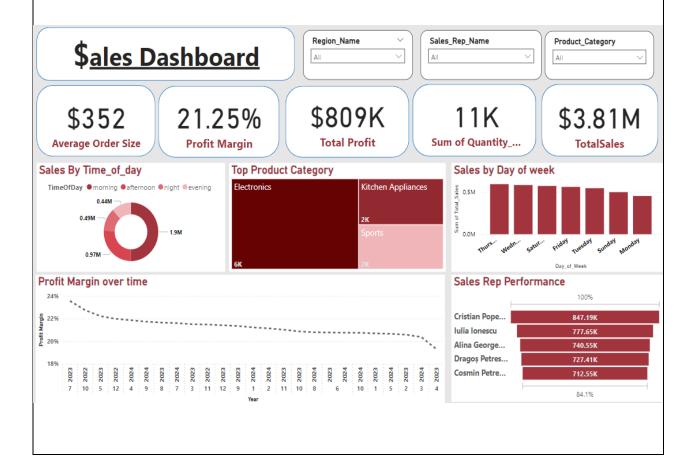


Visualization (Visuals)

- **Profit Margin Analysis**: A line chart showing profit margins over time.
- Sales Rep Performance: chart showing sales reps by their total sales.
- Top products Category by total sales
- Time-Based Sales Analysis:
 - o Sales by day of the week to determine peak days
 - o Sales by time of day (morning, afternoon, evening, night)

** Interactive Filtering & Slicers

- Product Category
- Region name
- o Sales Rep name



DAX Measures

New Measure :->

total sales: provides a snapshot of overall business performance

total profit: The net income after deducting all expenses from total sales

Profit Margin: It indicates the percentage of revenue that exceeds the costs of goods sold

average order value: Calculated by dividing total sales by the number of orders

Total Quantity Sold: total number of units sold over a period

New Column :->

'Time of day' Column based on 'Hour' column .

Conclusion

Build an insightful dashboard to analyze sales data and provide actionable insights for sales improvements.

Text Area

Final Demo (URL in Google Drive)

