BUSINESS ANALYTICS

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REPORT ON INVENTORY MANAGEMENT DASHBOARD CREATION IN POWER BI

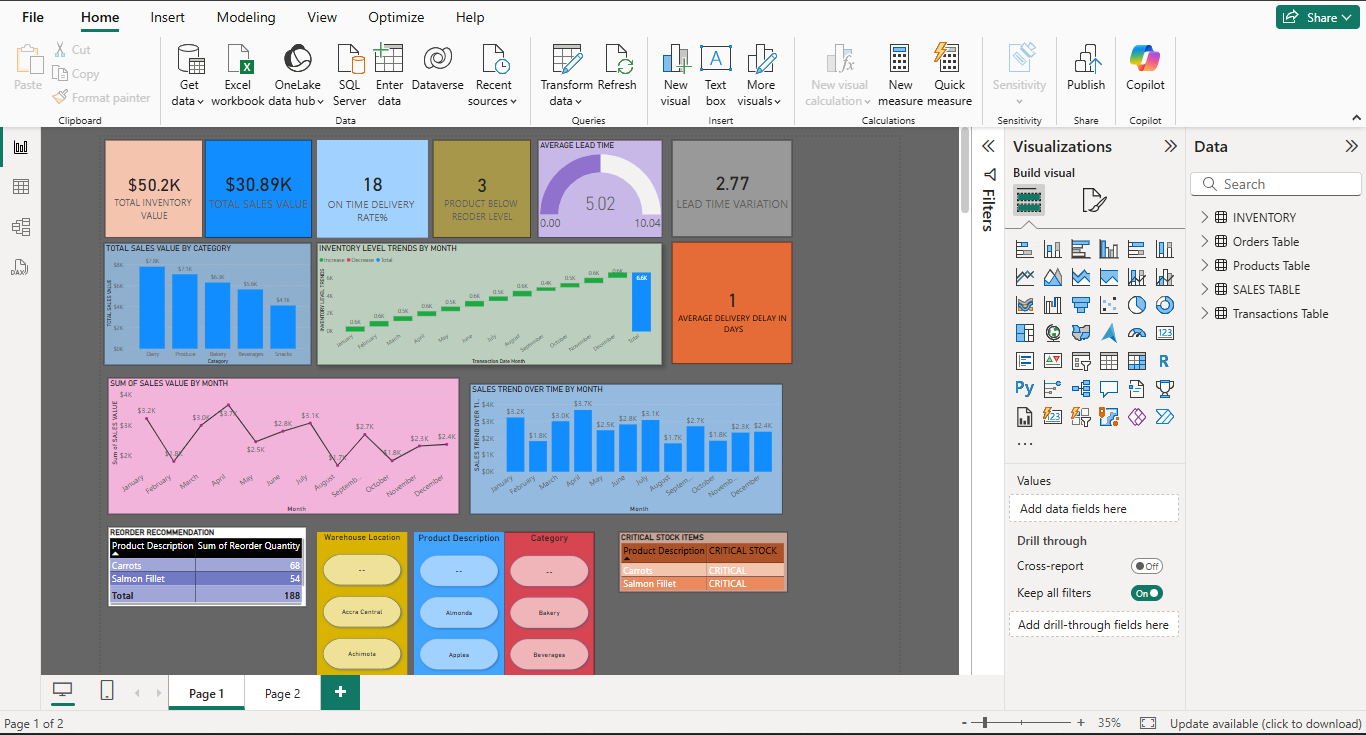
Choice of design:

Our choice of design for the dashboard is the integration of various charts which are arranged in an organised manner which allows our work to be simple and easy to comprehend,making it orderly.

The dashboard helps in inventory management by providing visibility into the items that GlobalMart has in stock versus the demand for those items.It also provides other relevant key performance indicators(KPIs).

Challenges:

During the data preparation stage,we found challenges cleaning and modifying the data in order to make our dashboard.Importing columns from different table al together like the sales and inventory table.We were faced with some form of constraints as datasets were large to process and there was difficulty in finding the right visualizations for the creationof the dashboard



The interactive dashboard empowers users to explore, analyse, and make informed decisions bas

ed on complex data. The functionality of the interactive elements include:

1)Data Cards

They have rectangular boxes displaying key metrics (e.g., sales value, inventory count) and enable users to click over them to get quick insights or summaries.

2)Bar Charts:

They visualize comparisons among categories like sales trend over time by months and also users can interact with bars to drill down or filter data.

3)Line Chart:

It shows trends over time (e.g. sales over months) and also allows users to adjust time periods or highlight specific data points.

4)Tables:

It presents raw data in rows and columns and also users can sort, filter, or search within the table. Examples Reorder recommendations and critical stock items.

5)Gauge:

It represents a single key performance indicator (KPI) which displays the current value of a metric against a pre-defined scale and also users can set a target value on the gauge.

6)Data pane:

It lists datasets and also allows users to manage data relationships and fields (e.g. Inventory, Order table)