



# Amazon Sales Analysis

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## **DATA SOURCE – KAGGLE**



**Amazon Sales DataSet**

# Data Sourcing

Import Amazon sales data (CSV) into Power BI by choosing "Get Data." Select "Text/CSV" to bring the file in. After loading, clean and model the data as needed using Power BI's data transformation tools. Finally, to properly analyze and visualize the data, create dashboards and reports in Power BI.



# Objective

- To understand sales trends, identify strong and weak markets, and assess product performance on Amazon.

# Goals

**Increase sales in  
underperforming  
regions**

**Improve ROI**

**Reduce cancelled  
orders**



# Key Performance Indicators

- **Total Sales Revenue:** It gives a gross overview of how much income the business is generating from sales alone.
- **ROI (Return on Investment):** ROI measures the profitability of an investment. It's calculated by dividing the net profit by the total cost of the investment.
- **Cancellation Rate:** This is the percentage of orders that are cancelled before they are fulfilled. A high cancellation rate might indicate issues with inventory management, pricing, or customer satisfaction.
- **Profit Margins:** This metric shows the percentage of revenue that has turned into profit, after all expenses have been subtracted from the total revenue.



# DAX Measures

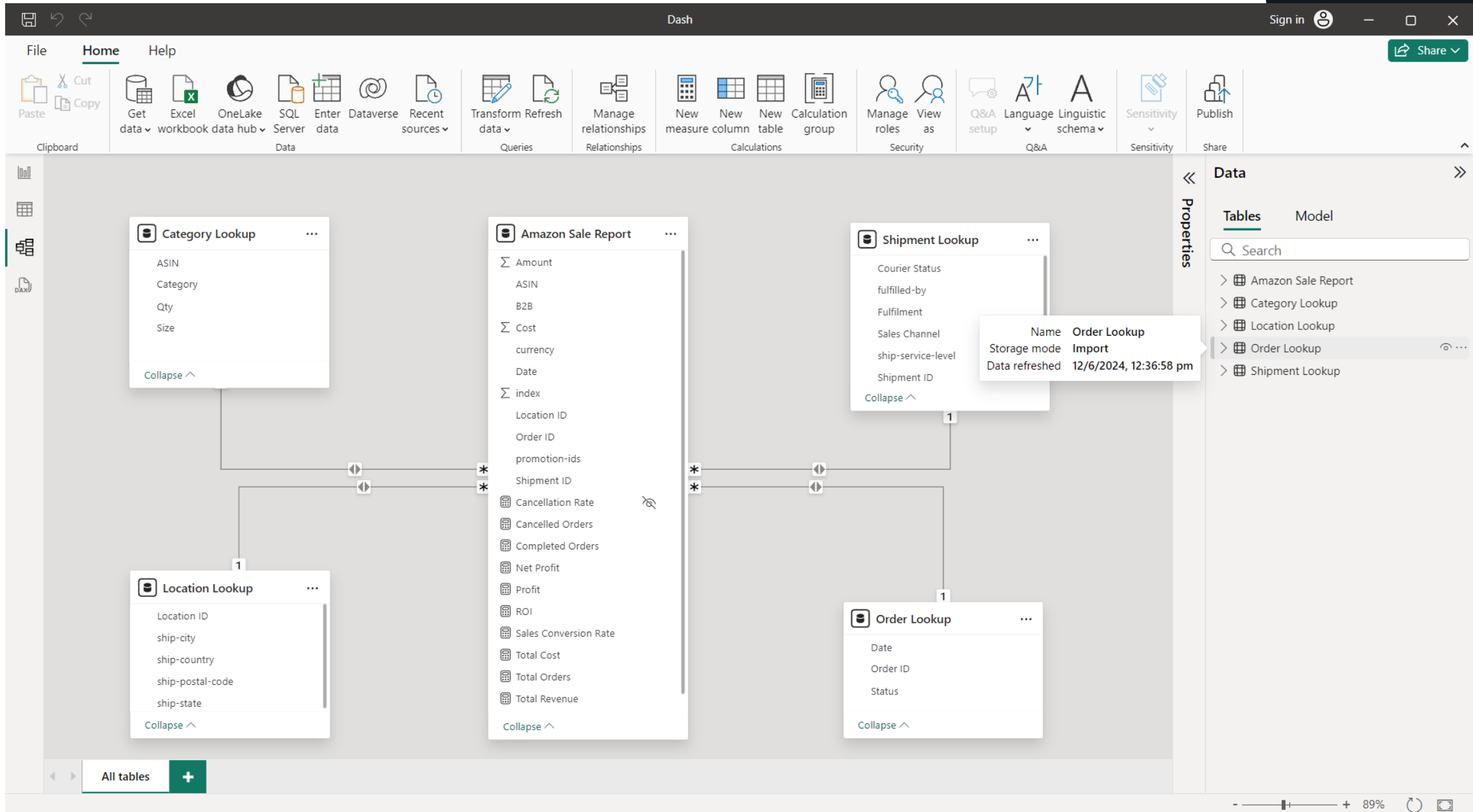
- **Cancelled Orders** = Cancelled Orders =  
`CALCULATE(COUNTROWS('TableName'), 'TableName'[Status] = "Cancelled")`
- **Net Profit** = Net Profit = `[Total Revenue] - [Total Cost]`
- **ROI (Return on Investment)** = ROI = `DIVIDE([Net Profit], [Total Cost], 0) * 100`
- **Total Cost** = Total Cost = `SUM('TableName'[Cost])`
- **Total Orders** = Total Orders = `COUNTROWS('TableName')`
- **Total Revenue** = Total Revenue = `SUM('TableName'[Amount])`



# Data Model

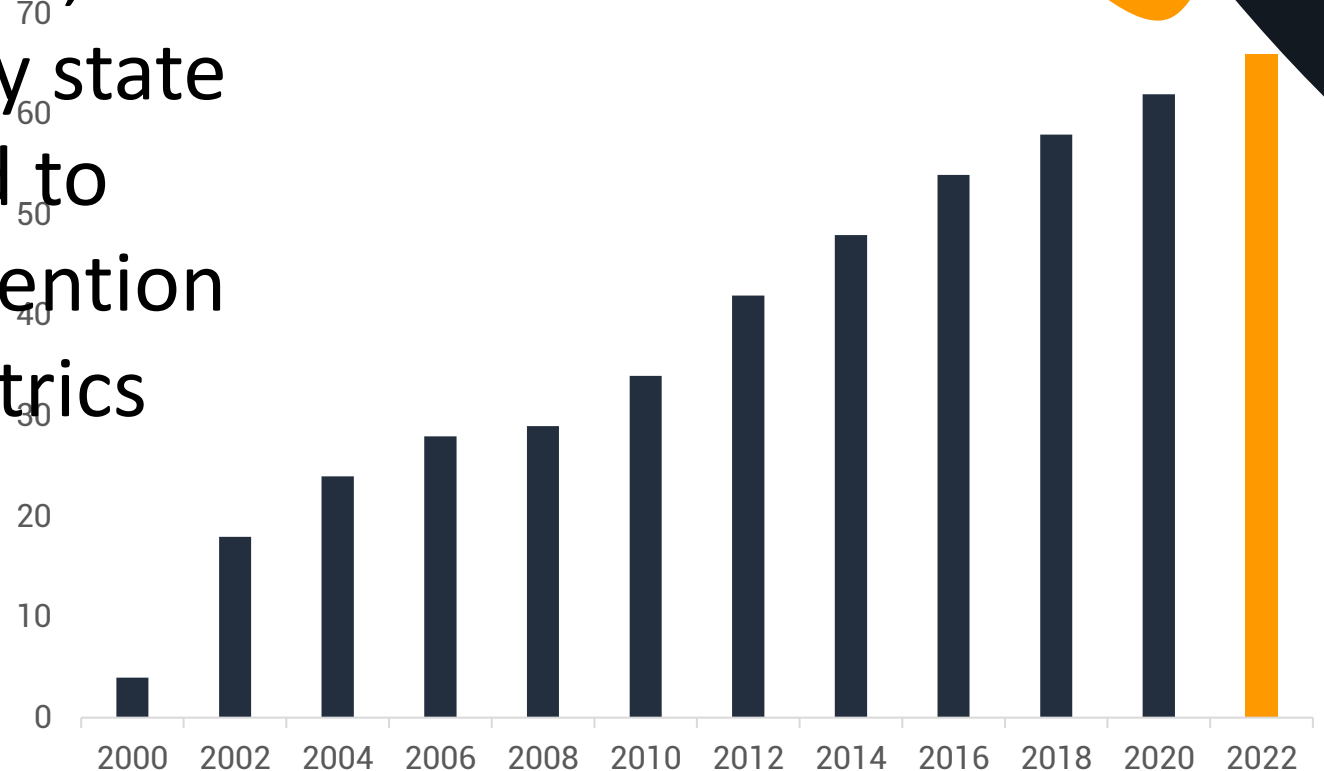
The data model consists of several tables such as 'Amazon Sale Report', 'Category Lookup', 'Shipment Lookup', 'Order Lookup', and 'Location Lookup'. These tables are interconnected to provide a comprehensive view of sales transactions, product categories, and geographical insights.

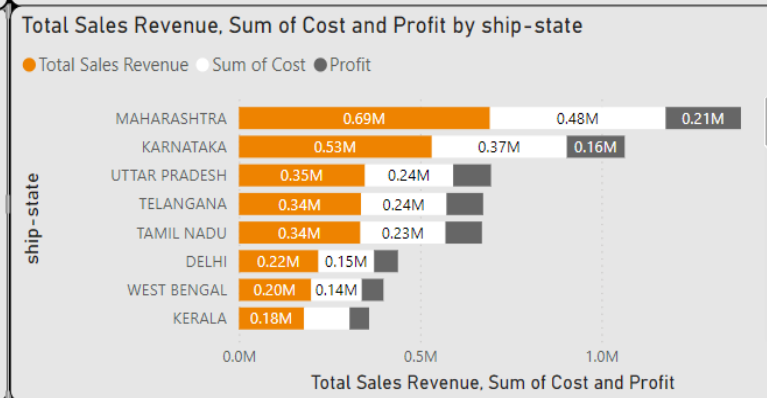
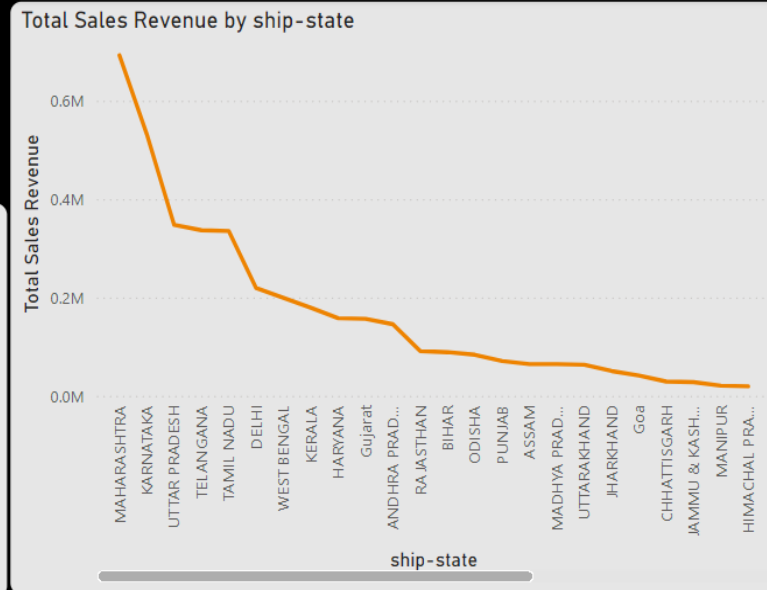
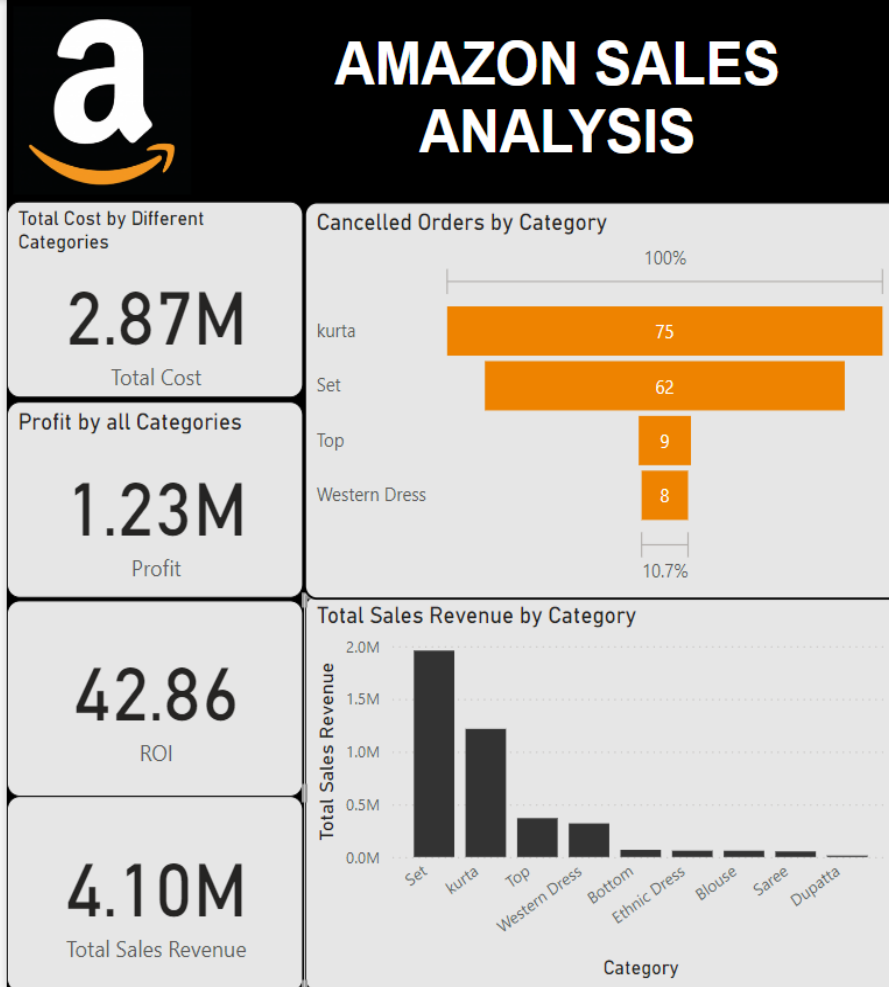
# Data Model



# Dashboard Overview

The dashboard provides a multi-dimensional view of sales data, including total sales revenue, costs, and profit margins by state and category. It is designed to highlight areas needing attention and track performance metrics over time.





# Analysis Summary

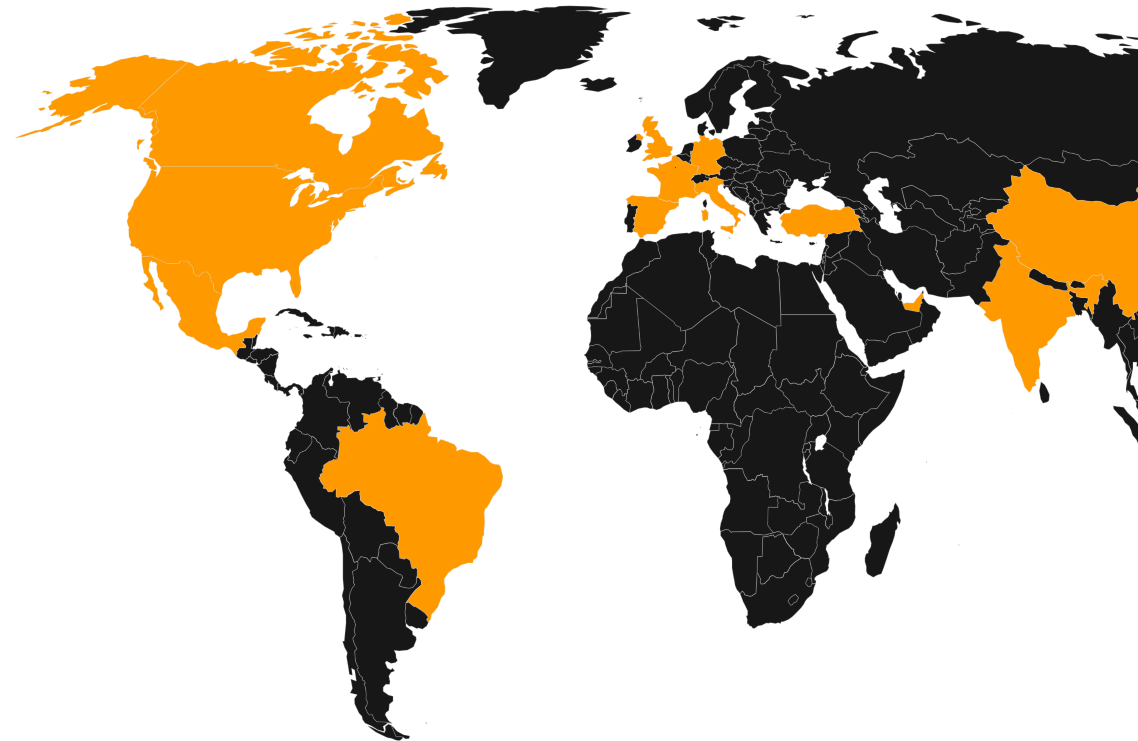
## Key findings include:

- Total sales revenue and profit segmented by categories and states.
- Categories with the highest number of cancellations.
- The overall ROI achieved through the current sales strategies.



# Conclusion

The insights derived from the analysis suggest targeted strategies for improving category-specific sales and addressing high cancellation rates. Recommendations will be made to optimize marketing and operational tactics.



A thick, bright orange curved line that starts on the left, dips down, and then curves back up towards the right, ending in a small hook-like shape.

# Reference

- Kaggle For Dataset
- Git Hub for further references



**thanks!**

