

AMAZON SALES DATA ANALYSIS

BY GAYATRI BALLAL



INTRODUCTION

- **Amazon is a multinational company and e-commerce platform that offers a wide range of products and services, known for its convenience, innovation, and customer-centric approach.**
- **Amazon is founded in 1994 by Jeff Bezos and started as an online marketplace for books and rapidly expanded into various product categories.**
- **Today, Amazon has evolved into one of the world's largest e-commerce platforms offering a wide range of products and services, including retail, cloud computing, digital streaming and AI.**
- **In this project, we delve into Amazon Sales data to uncover insights, trends and opportunities for growth.**

OBJECTIVE

- To find total profit, total cost, total sales revenue, average unit price, average unit cost, total unit sold.
- To identify year-wise and month-wise sales trends to understand overall sales performance over time.
- To determine regional sales performance by visualizing total revenue and total units sold by region.
- To identify top selling items, revenue sources.
- To identify regions contributing the most to overall profit.
- To identify the most common order priorities and the most utilized sales channels.
- To understand revenue-generating regions.
- To identify regions with the highest profitability and cost efficiency.

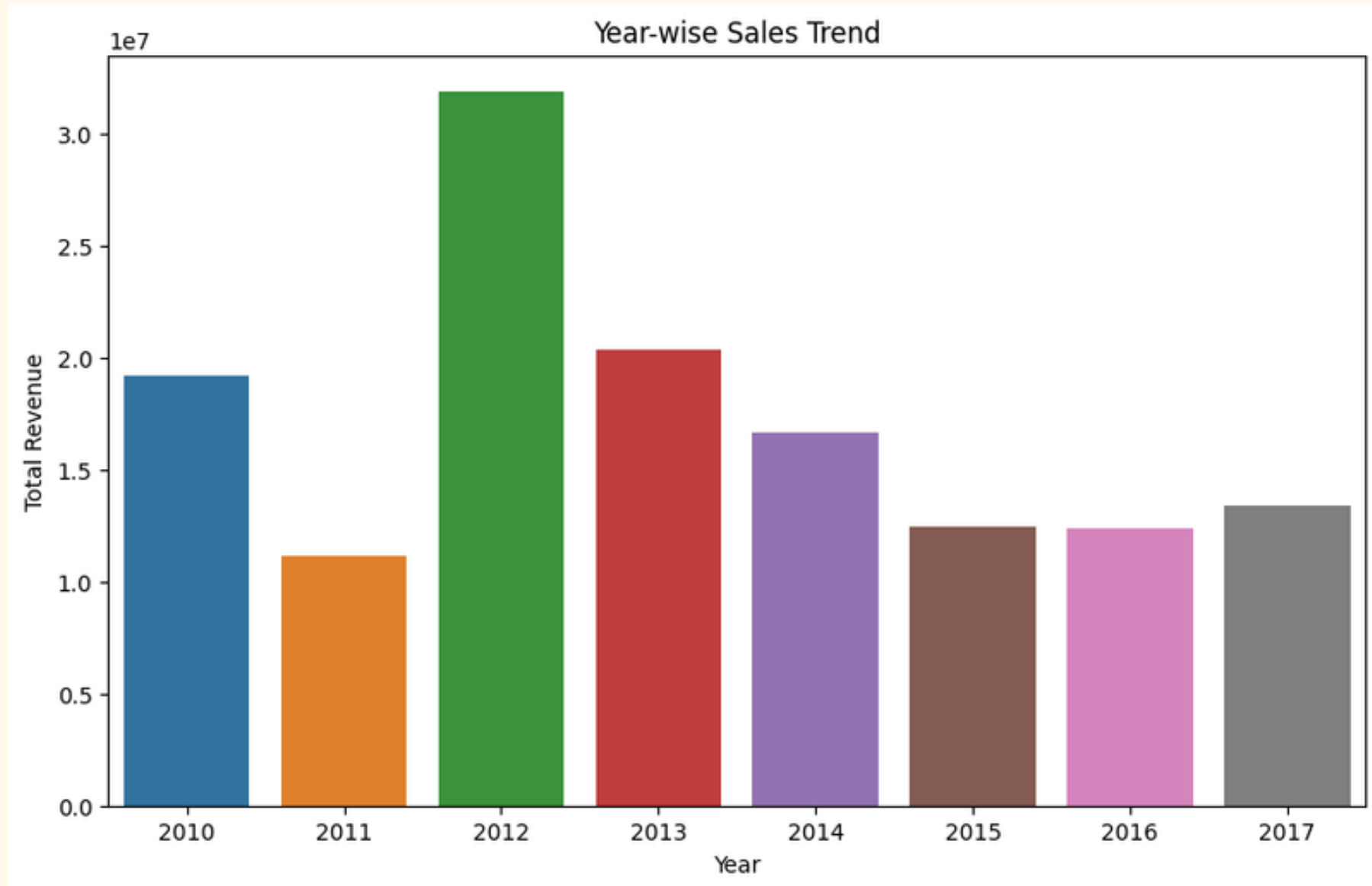
DETAILS OF DATA

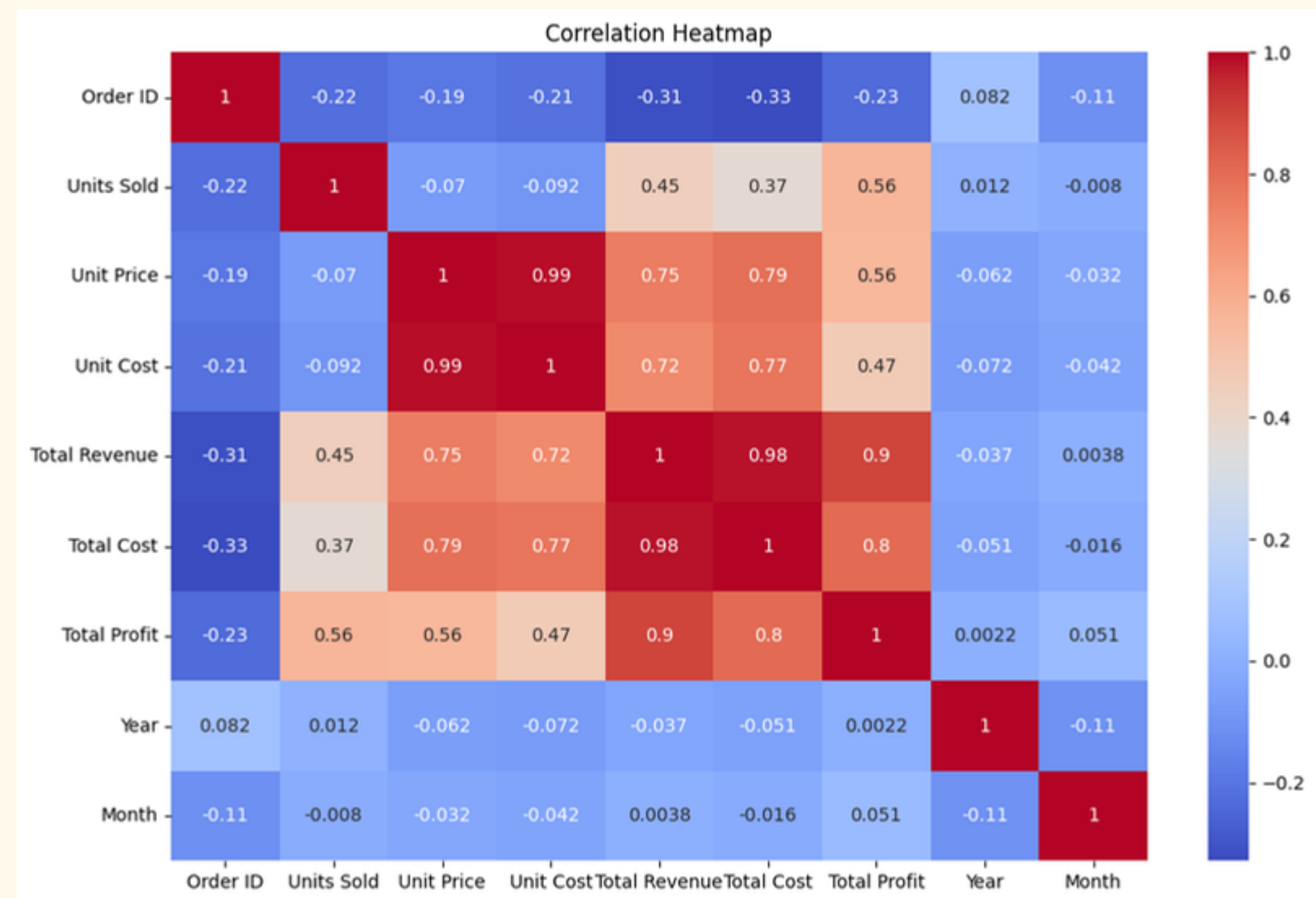
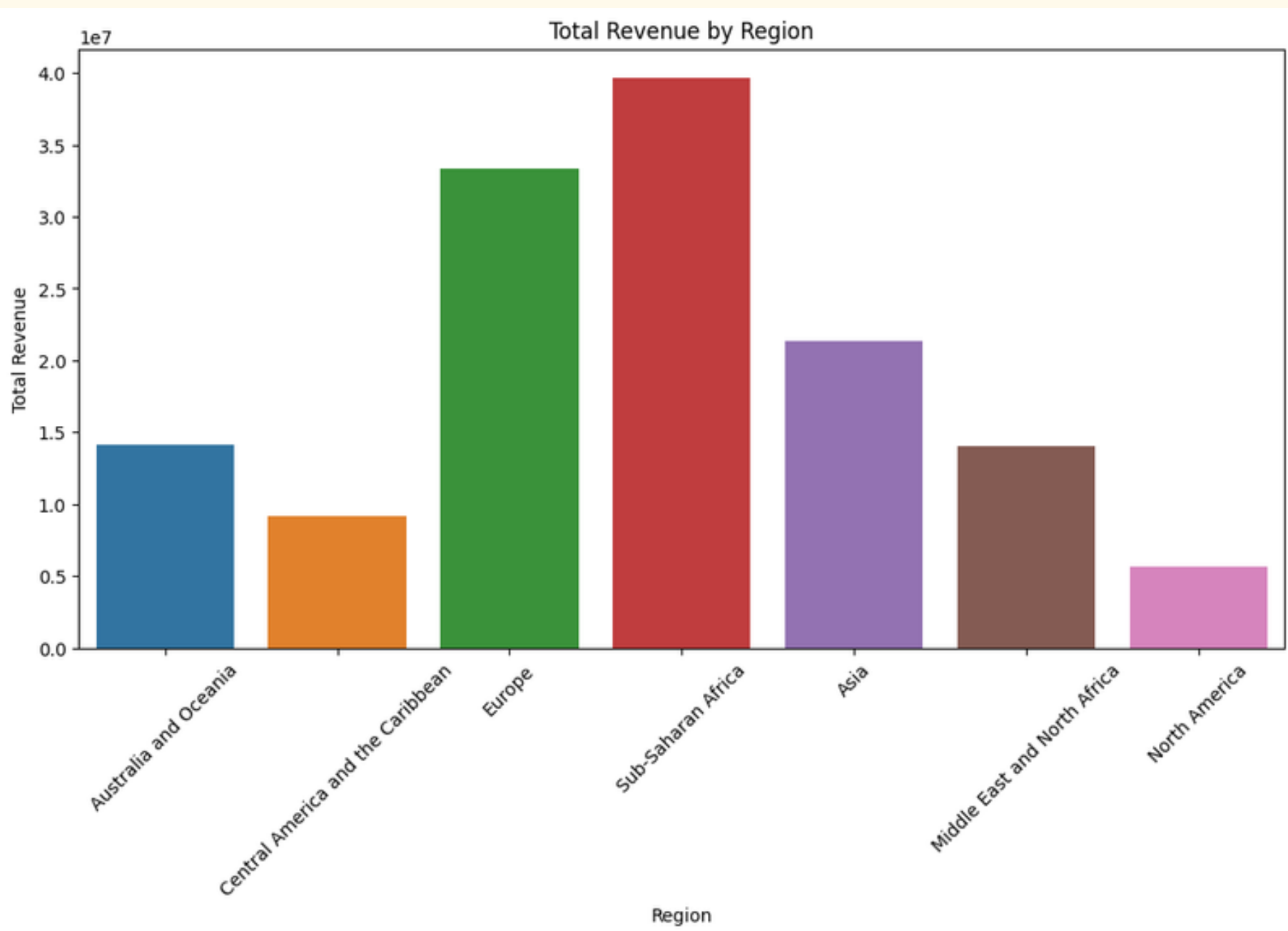
- The data is in the form of csv file and named 'Amazon sales data.csv'
- The data contains 101 rows and 14 columns.

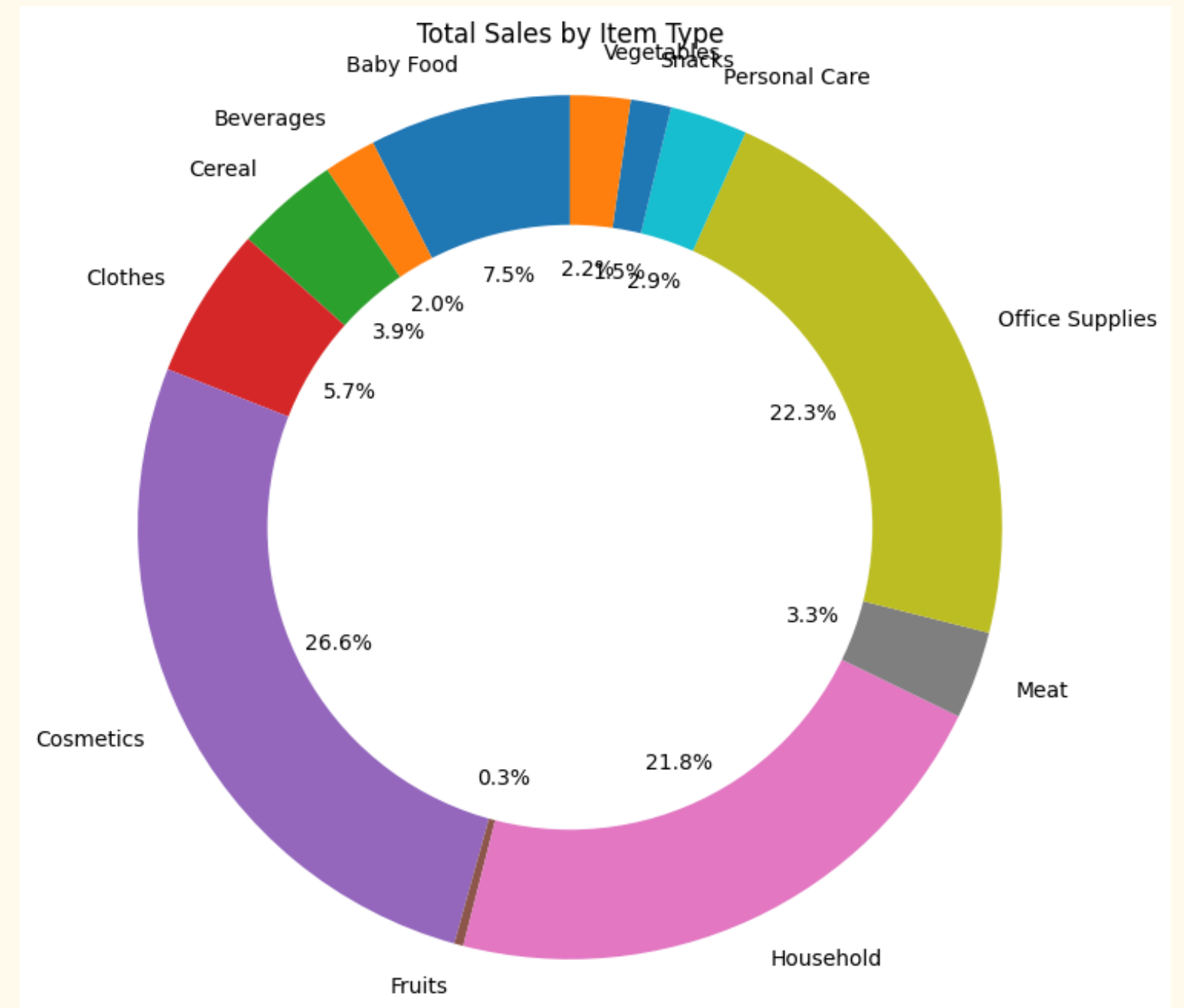
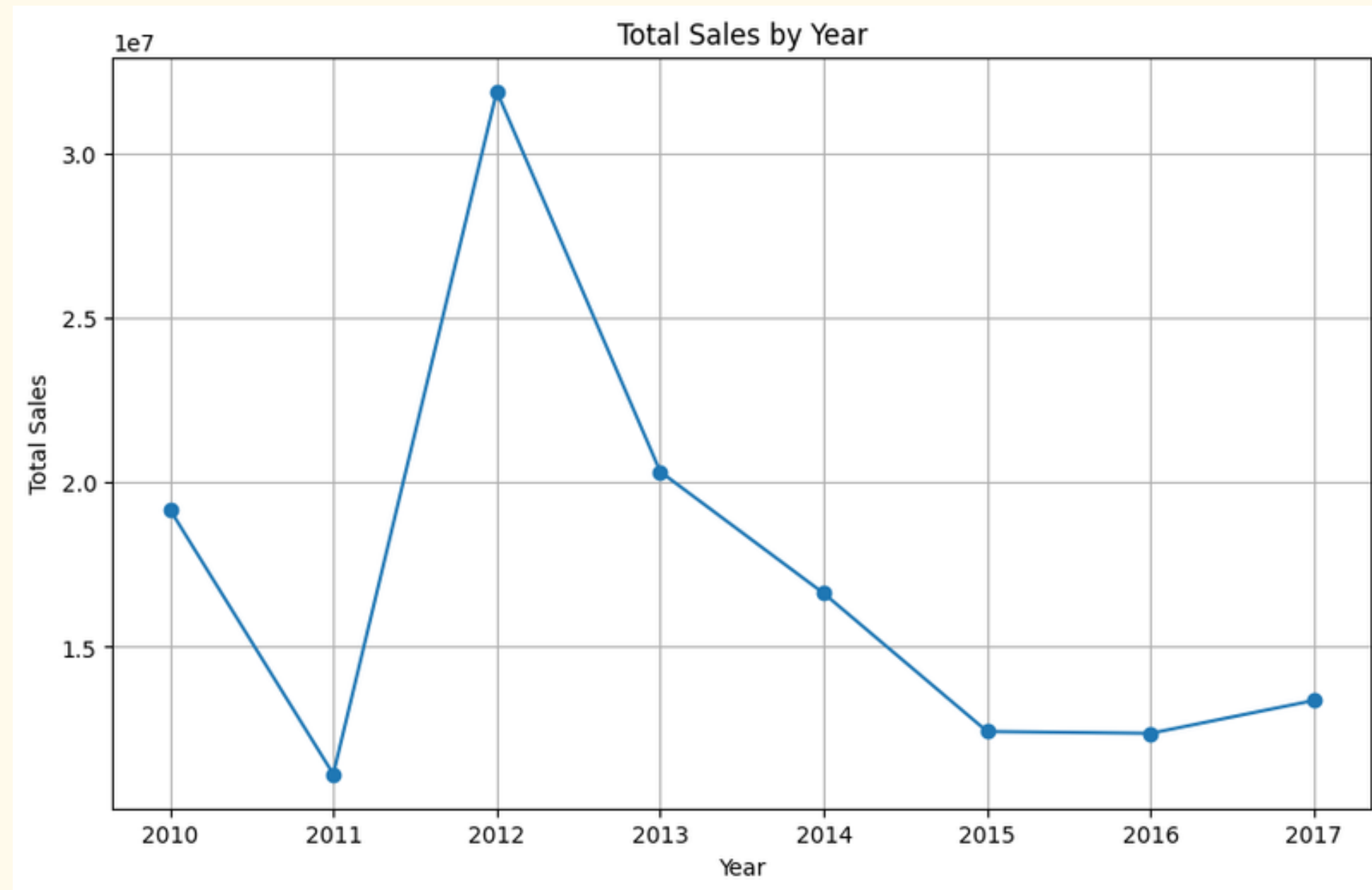
DATA CLEANING

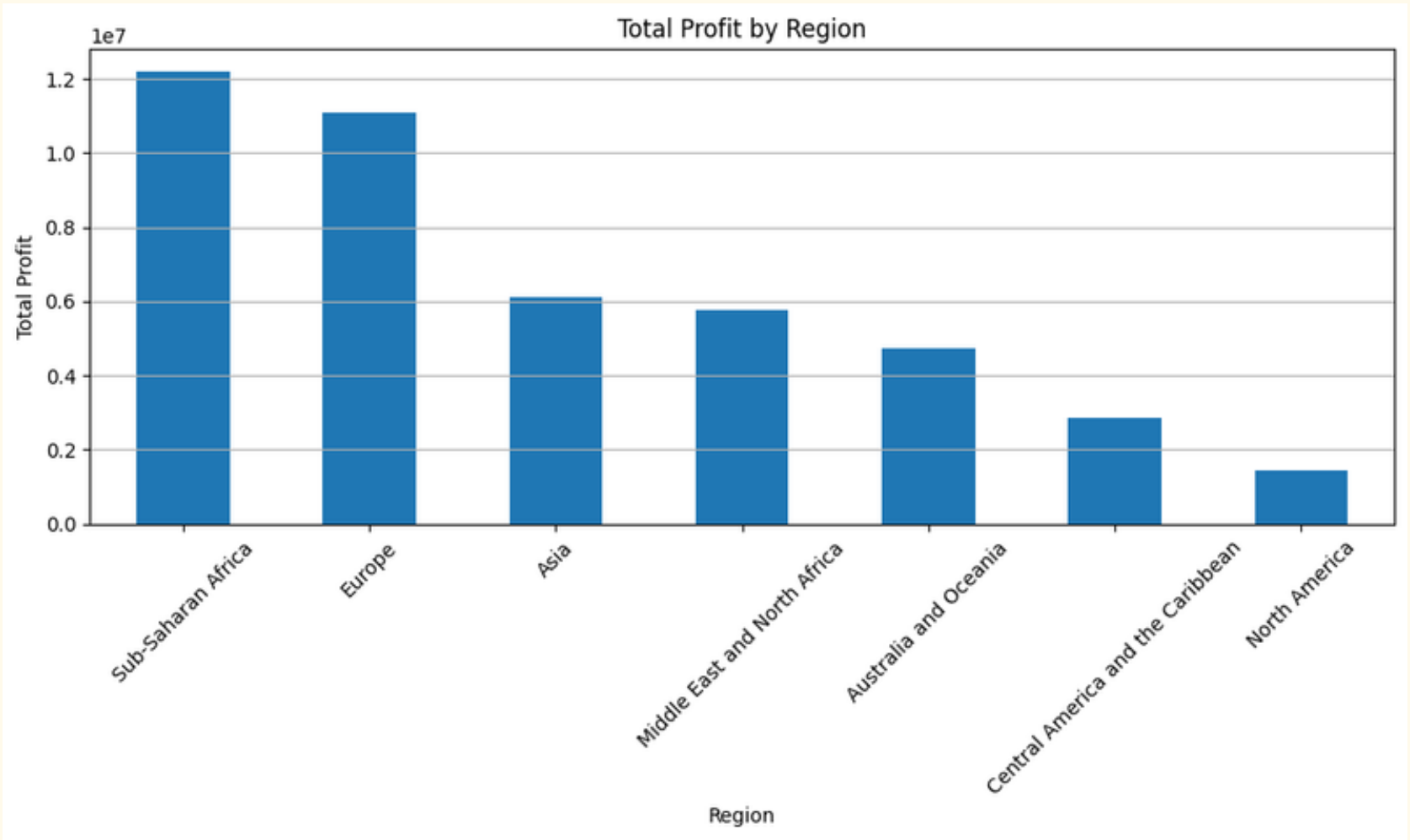
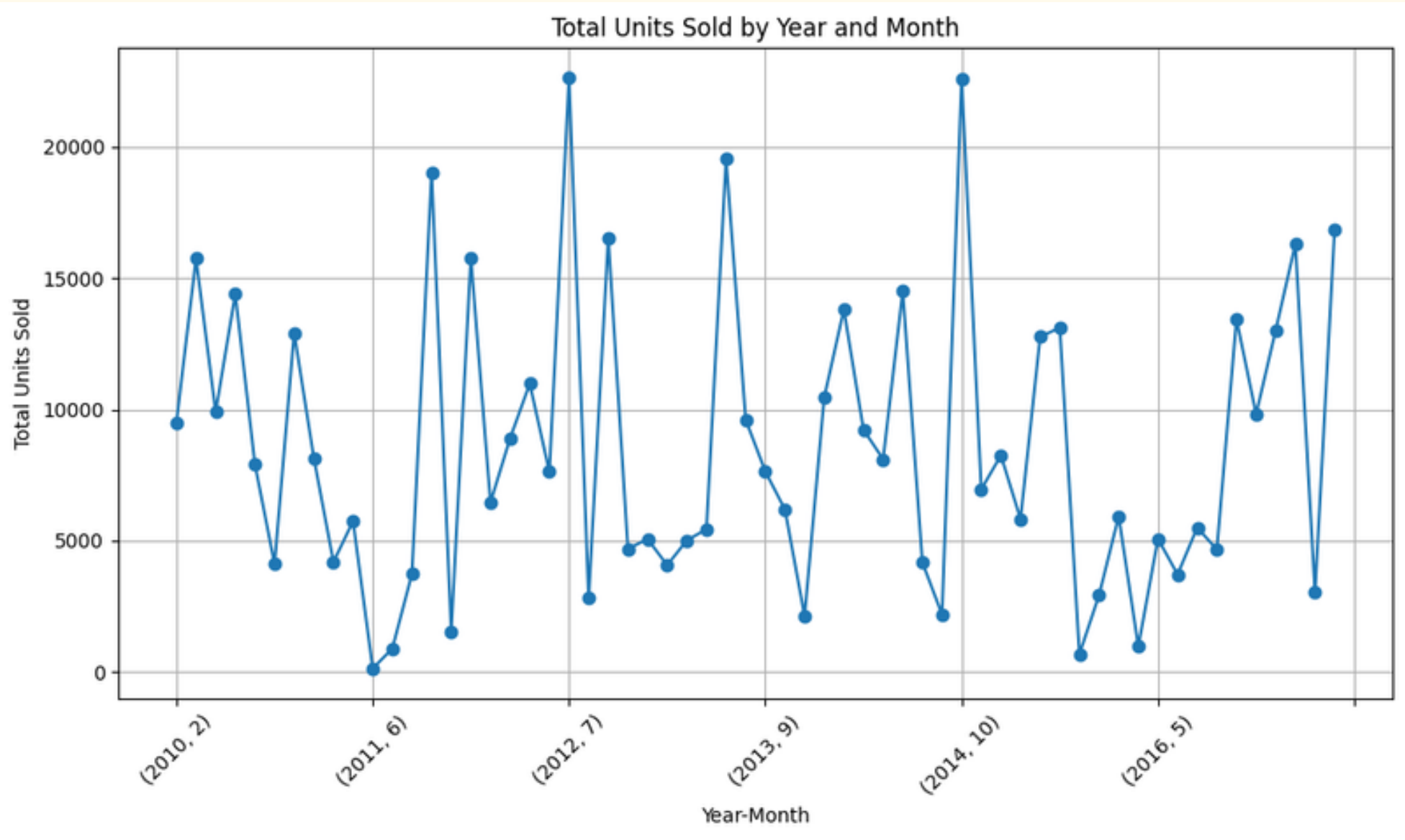
- The data is already cleaned, no any missing value present in the data.
- Some values in "Order Date" and "Ship Date" columns are in the string datatypes so we converted them into datetime datatype using python
- The data contains 101 rows and 14 columns.

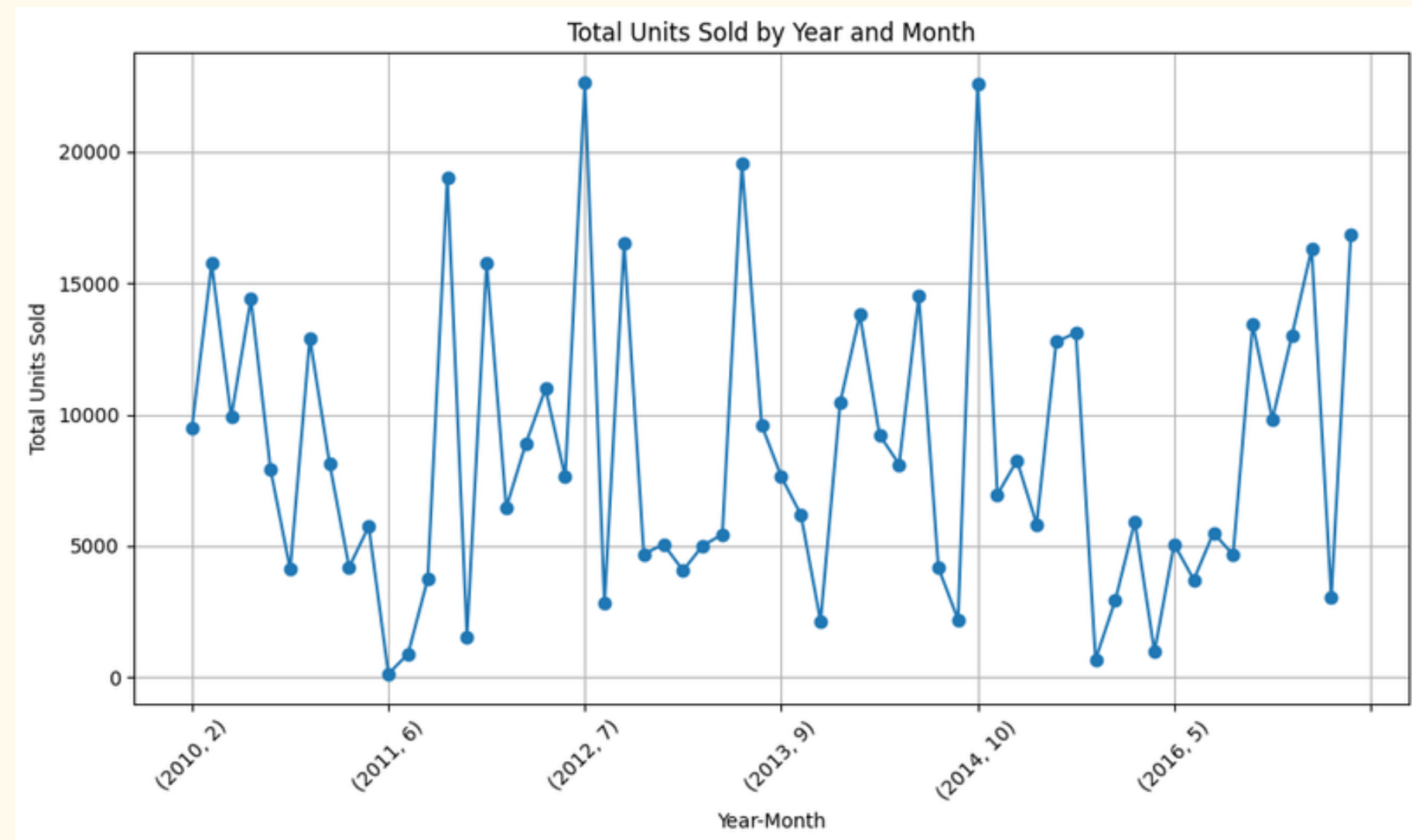
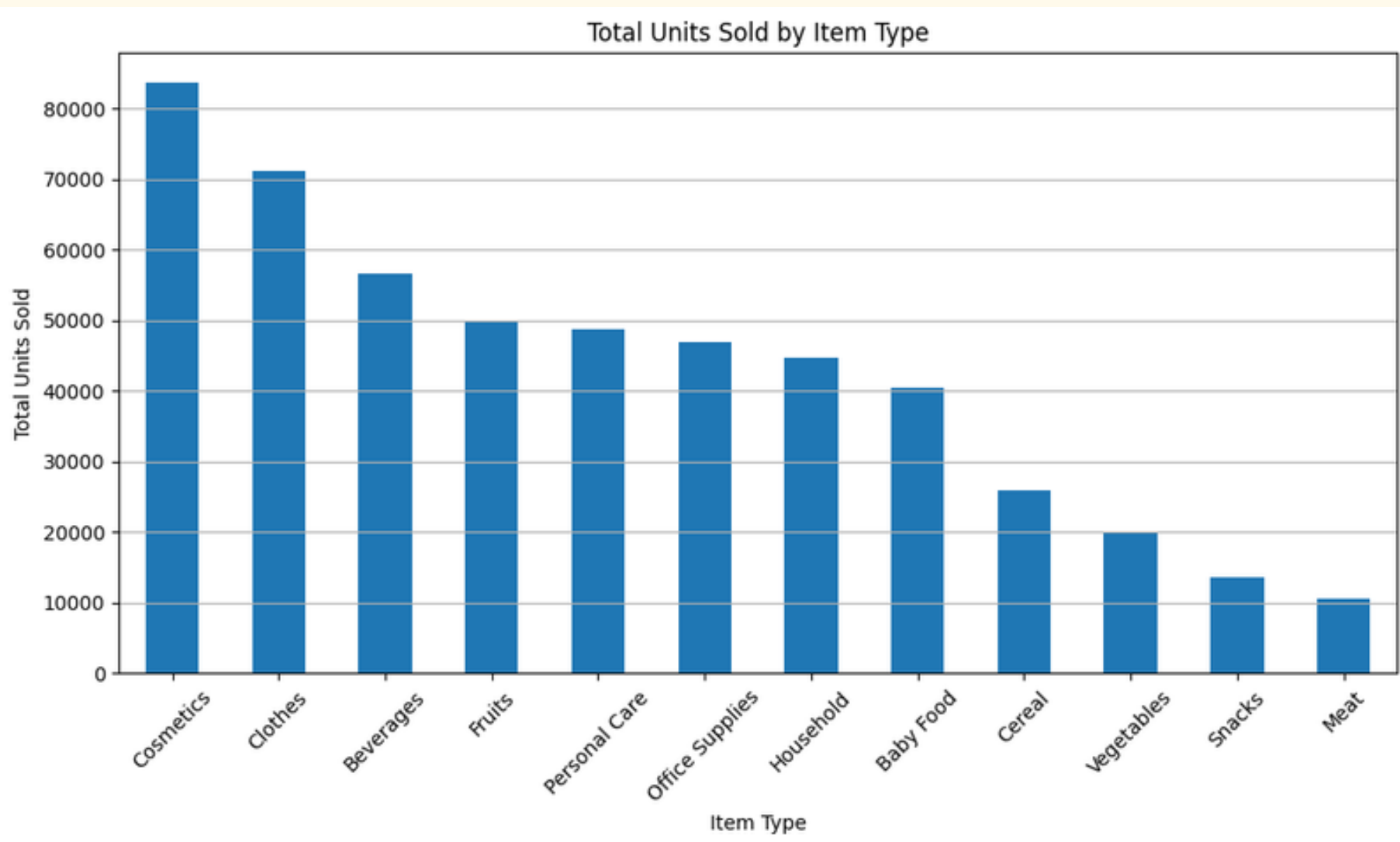
DATA ANALYSIS

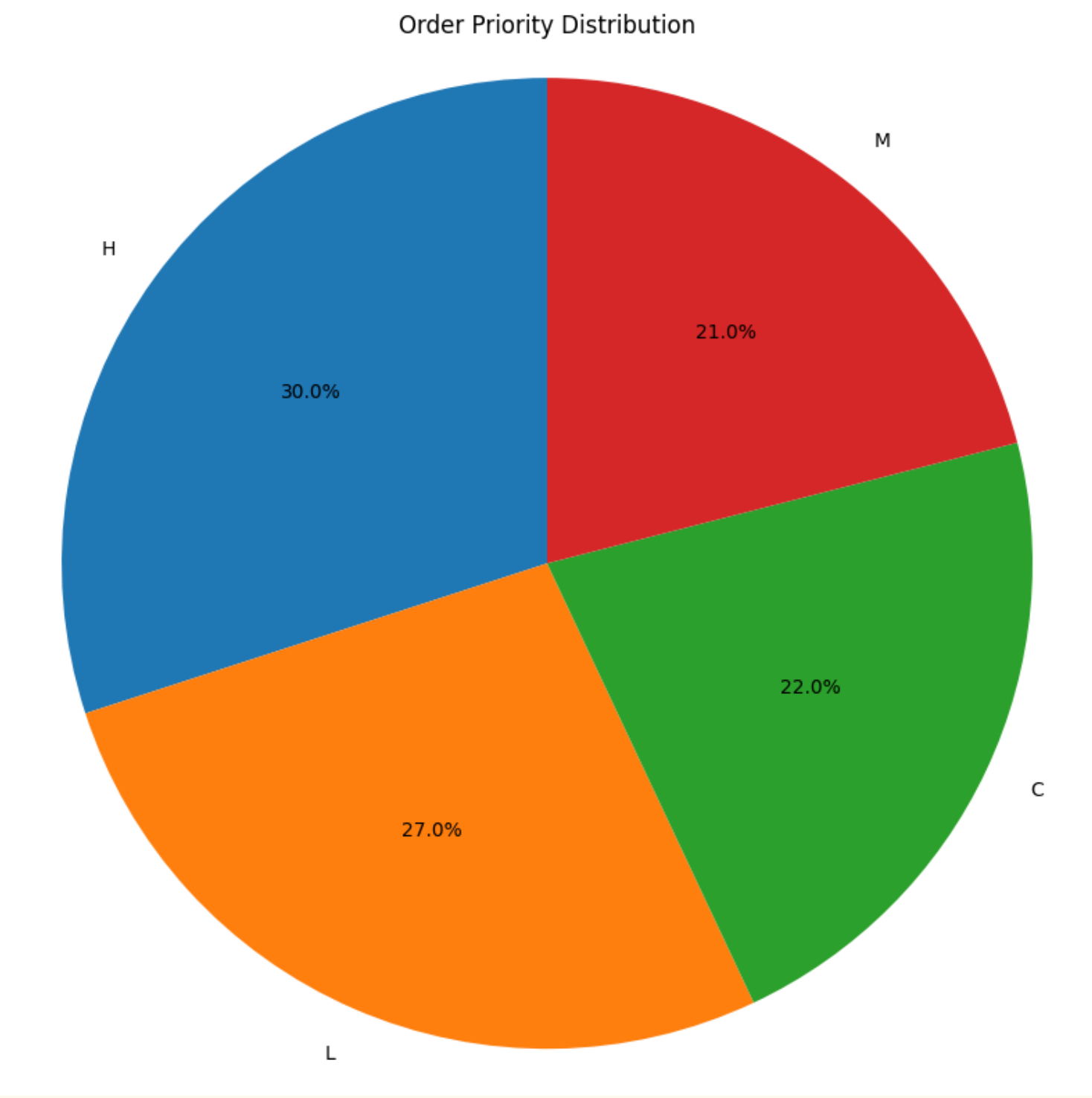
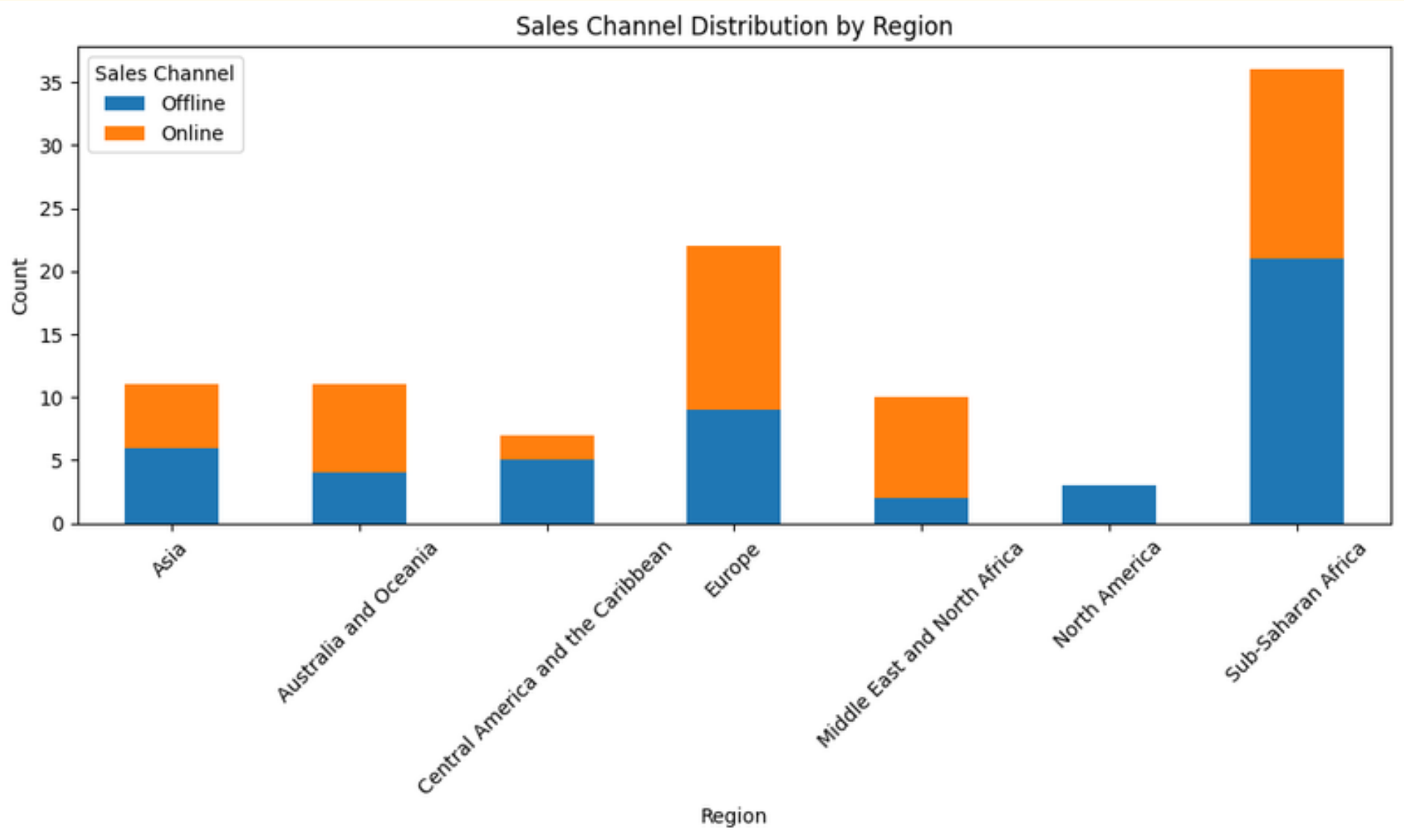


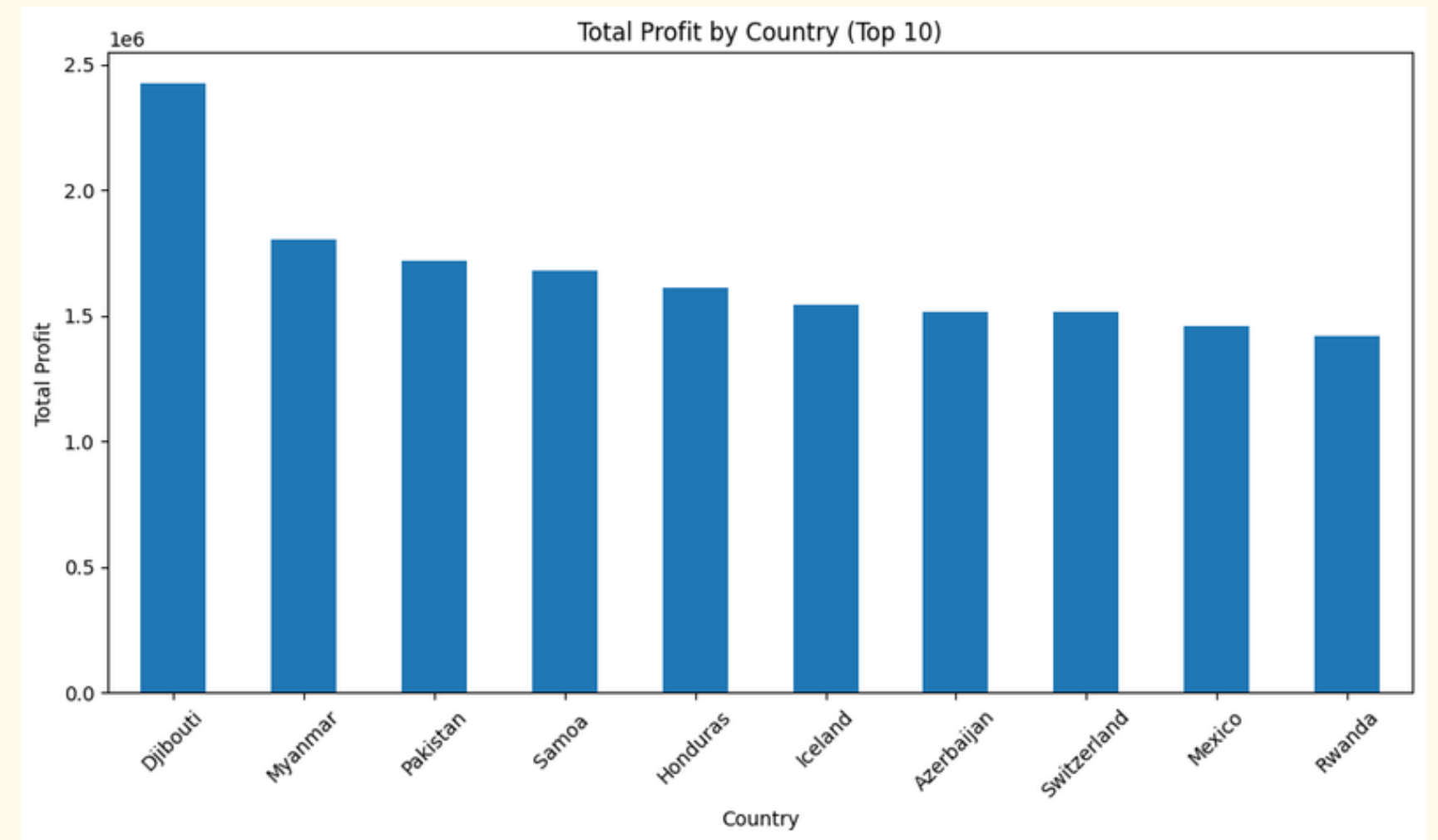
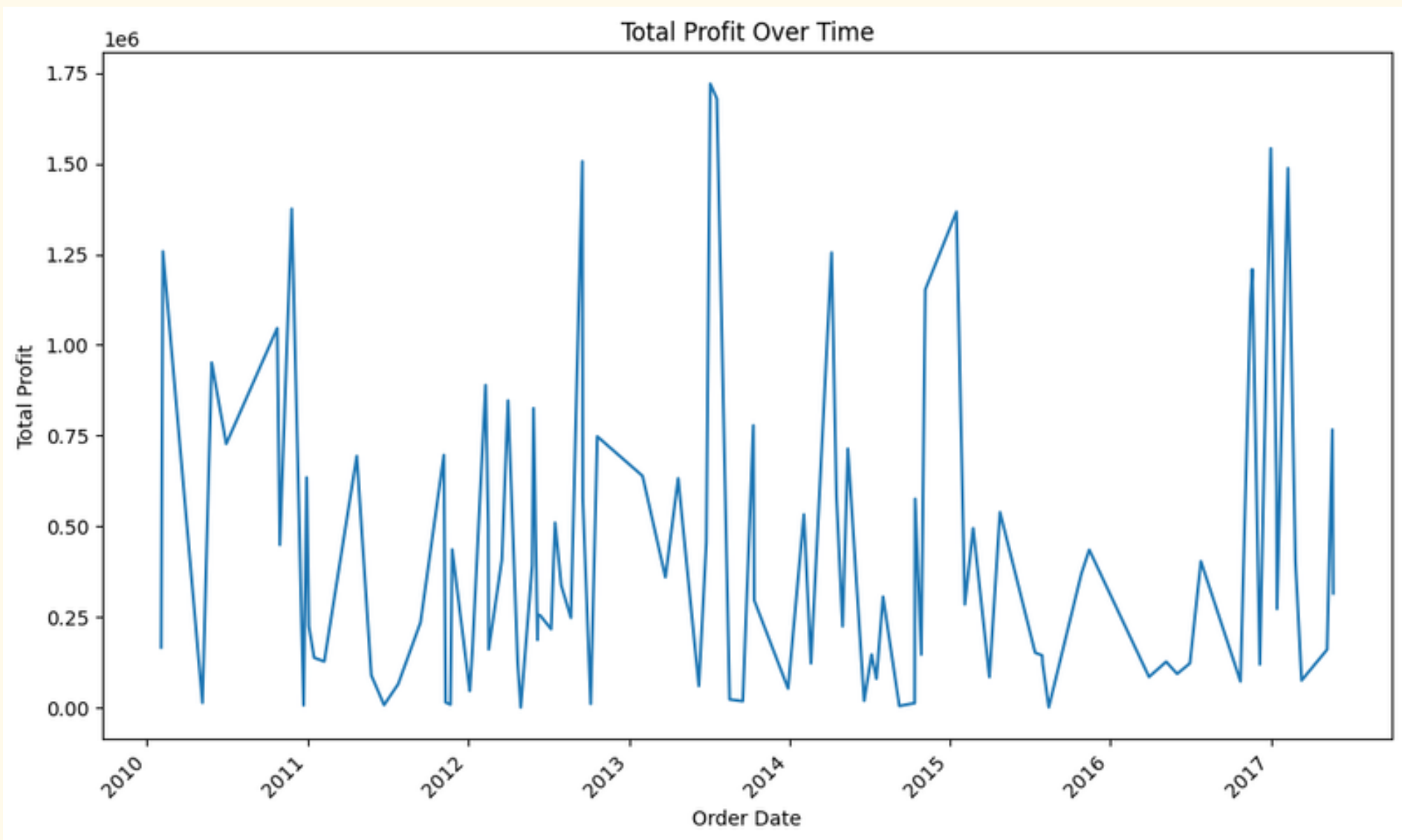


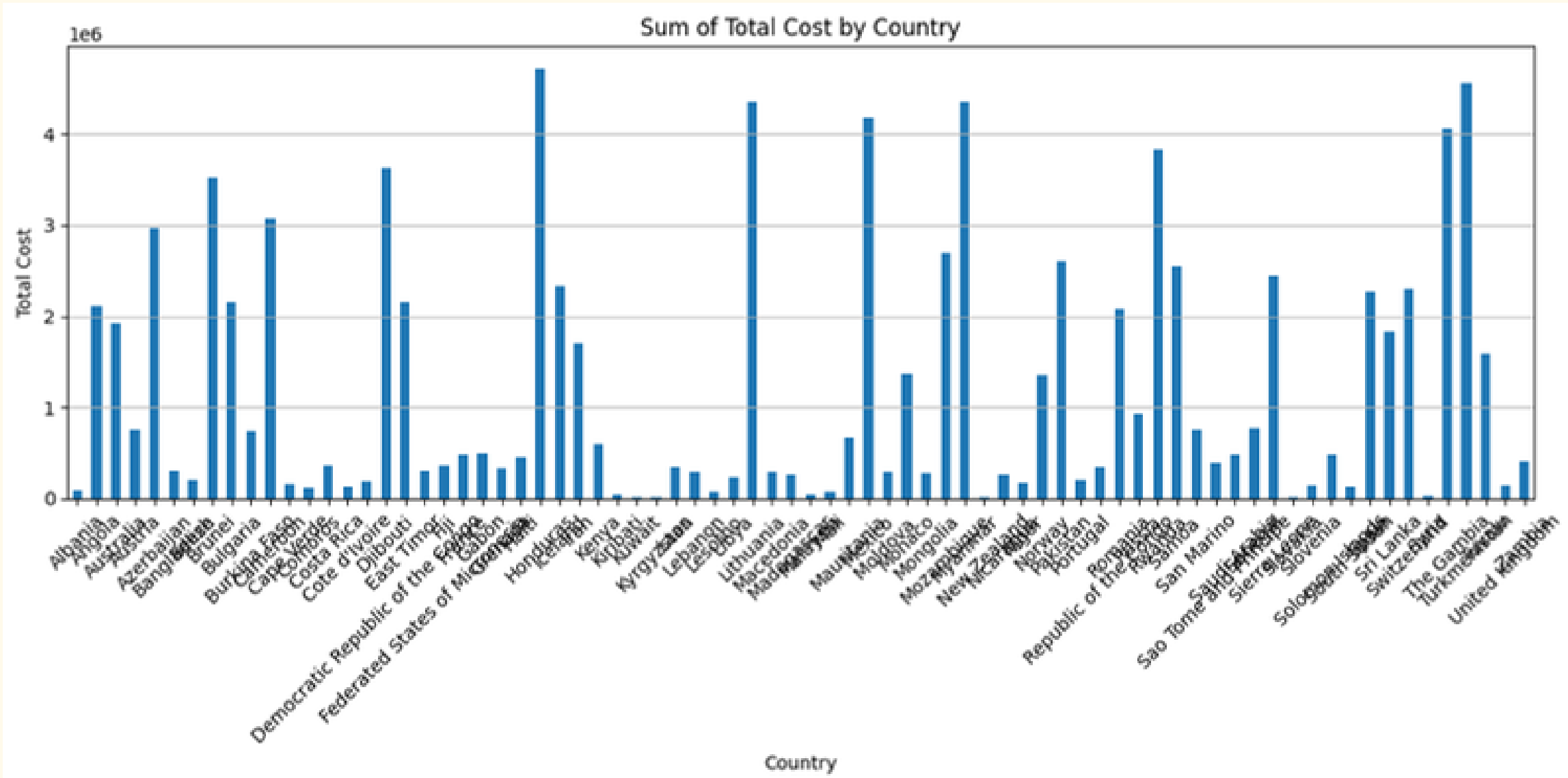
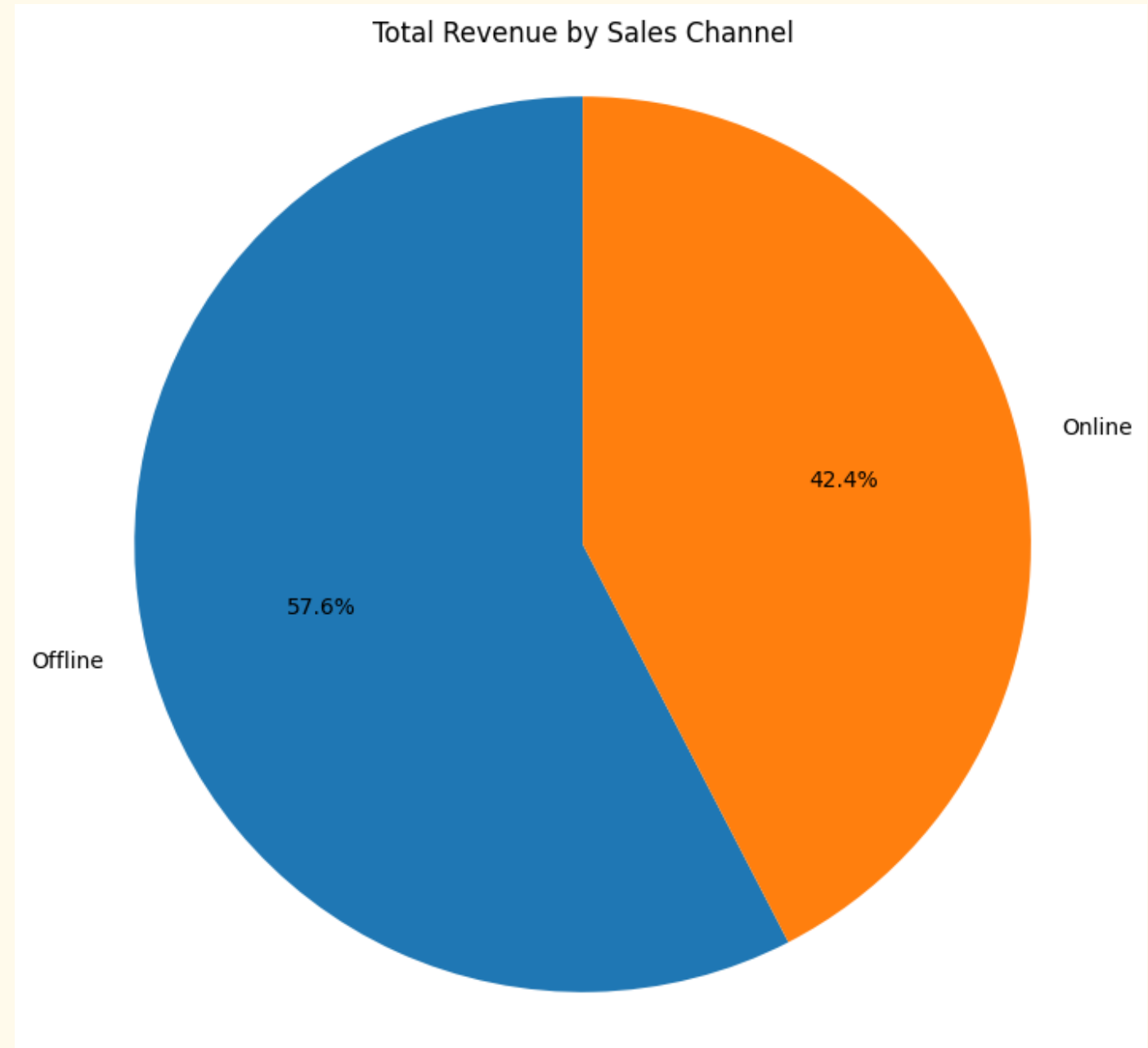


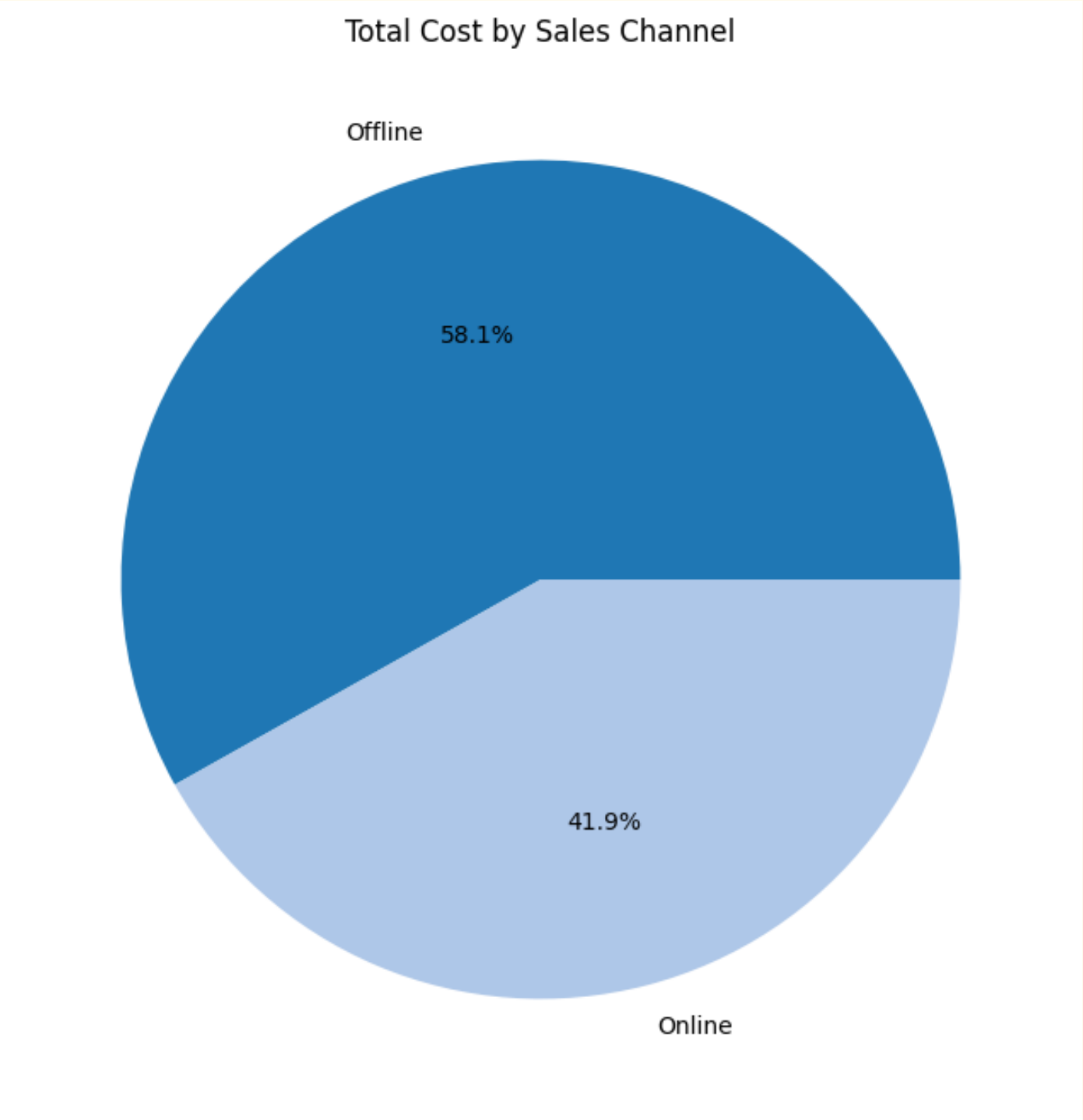
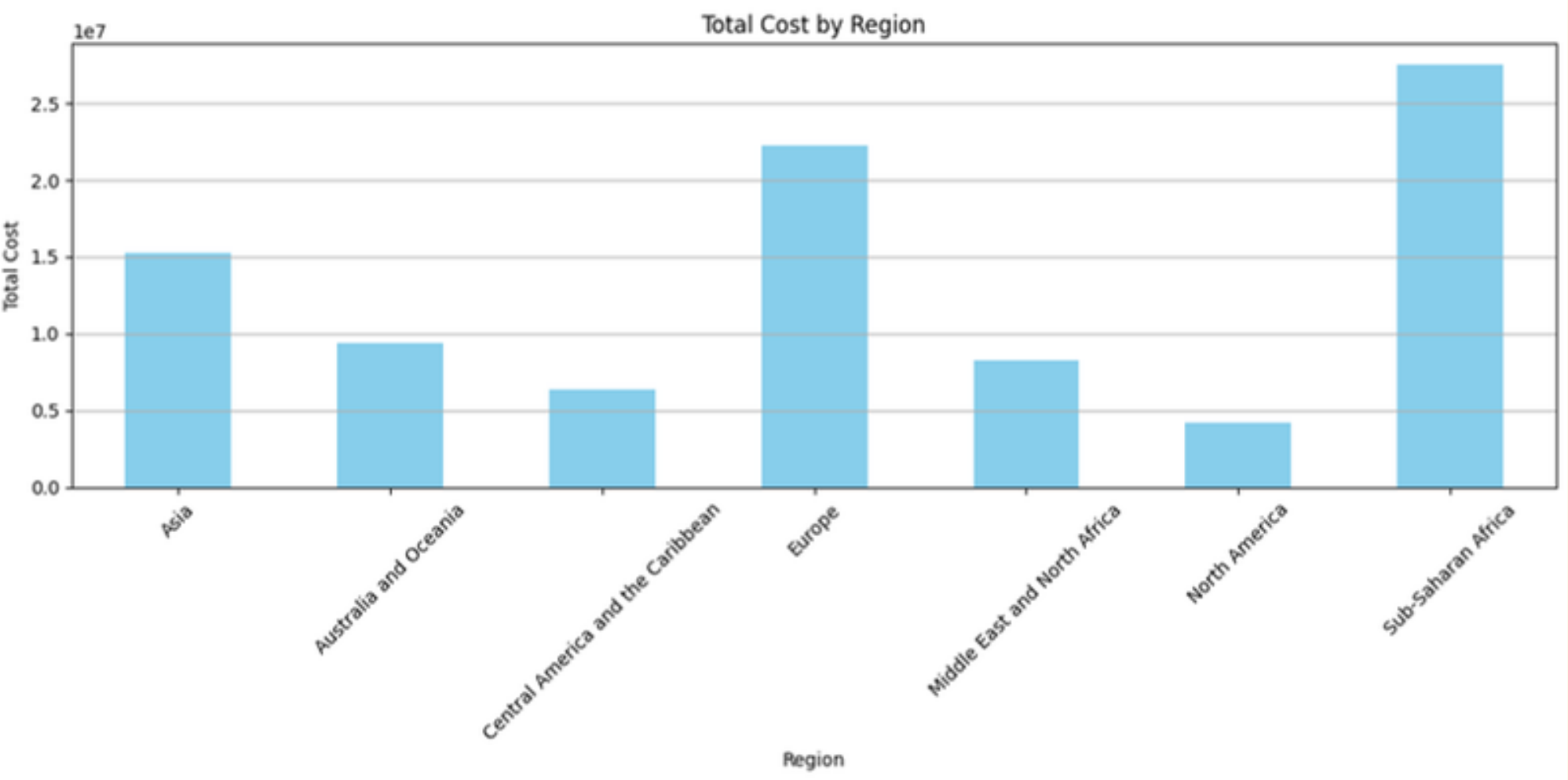


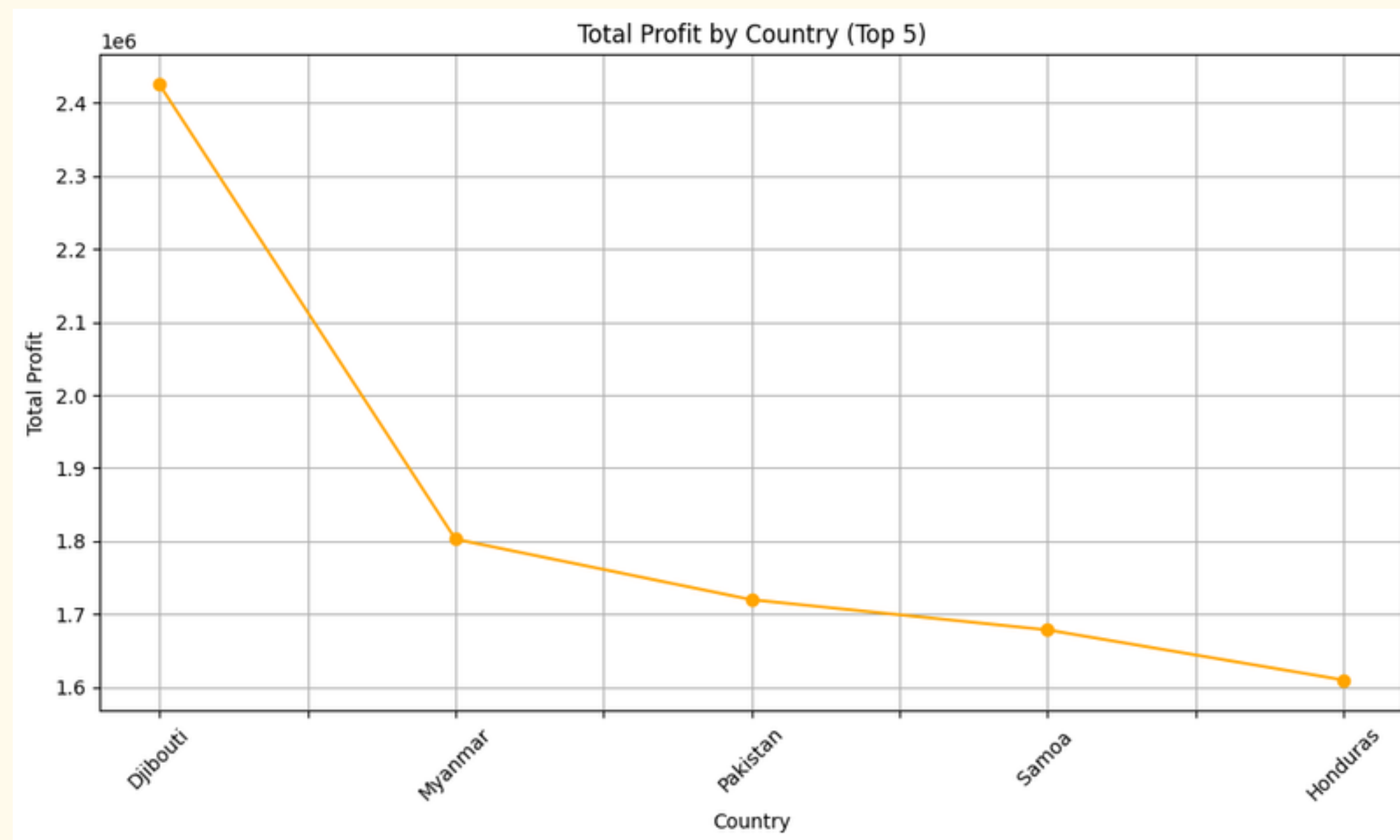
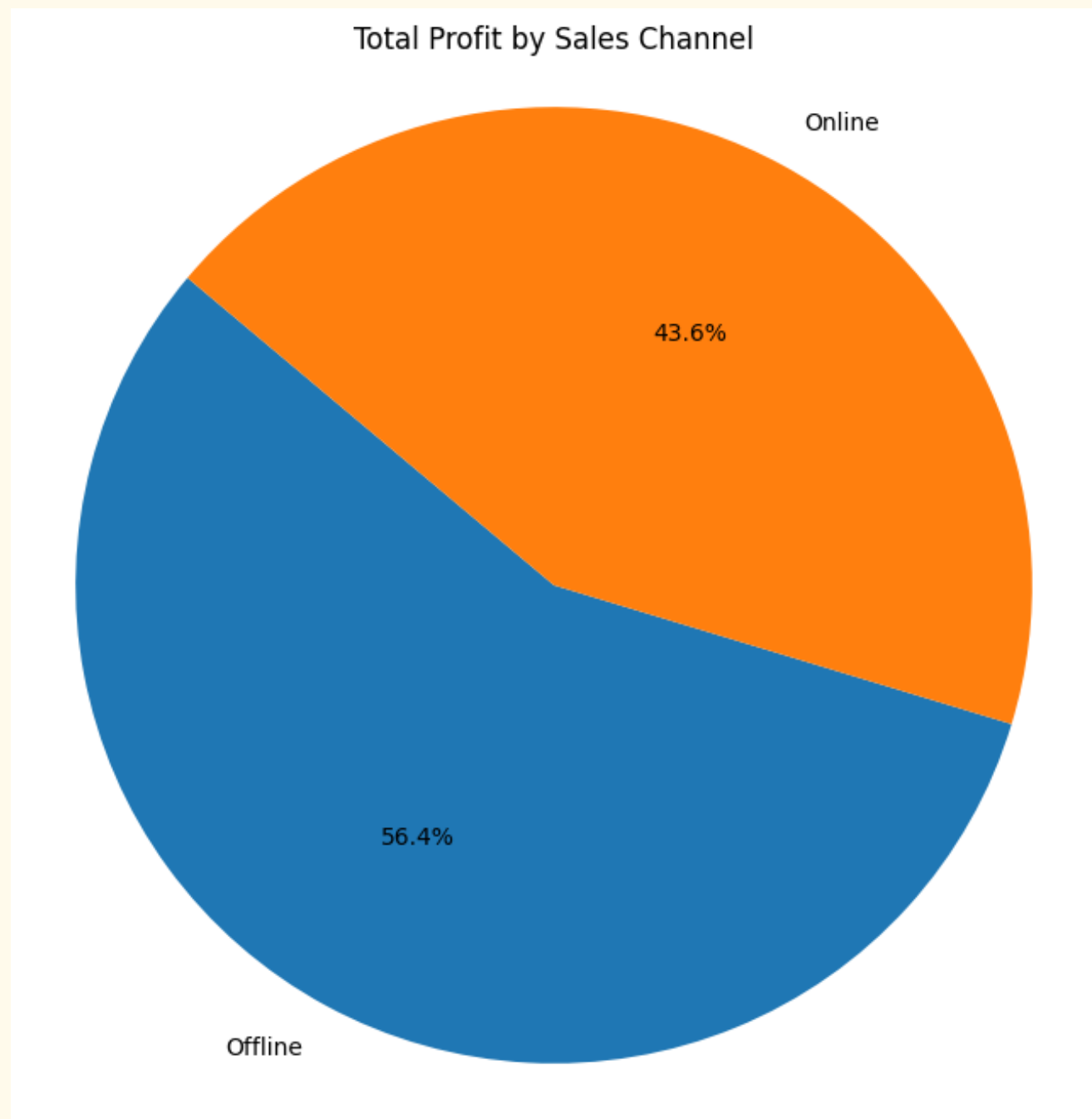






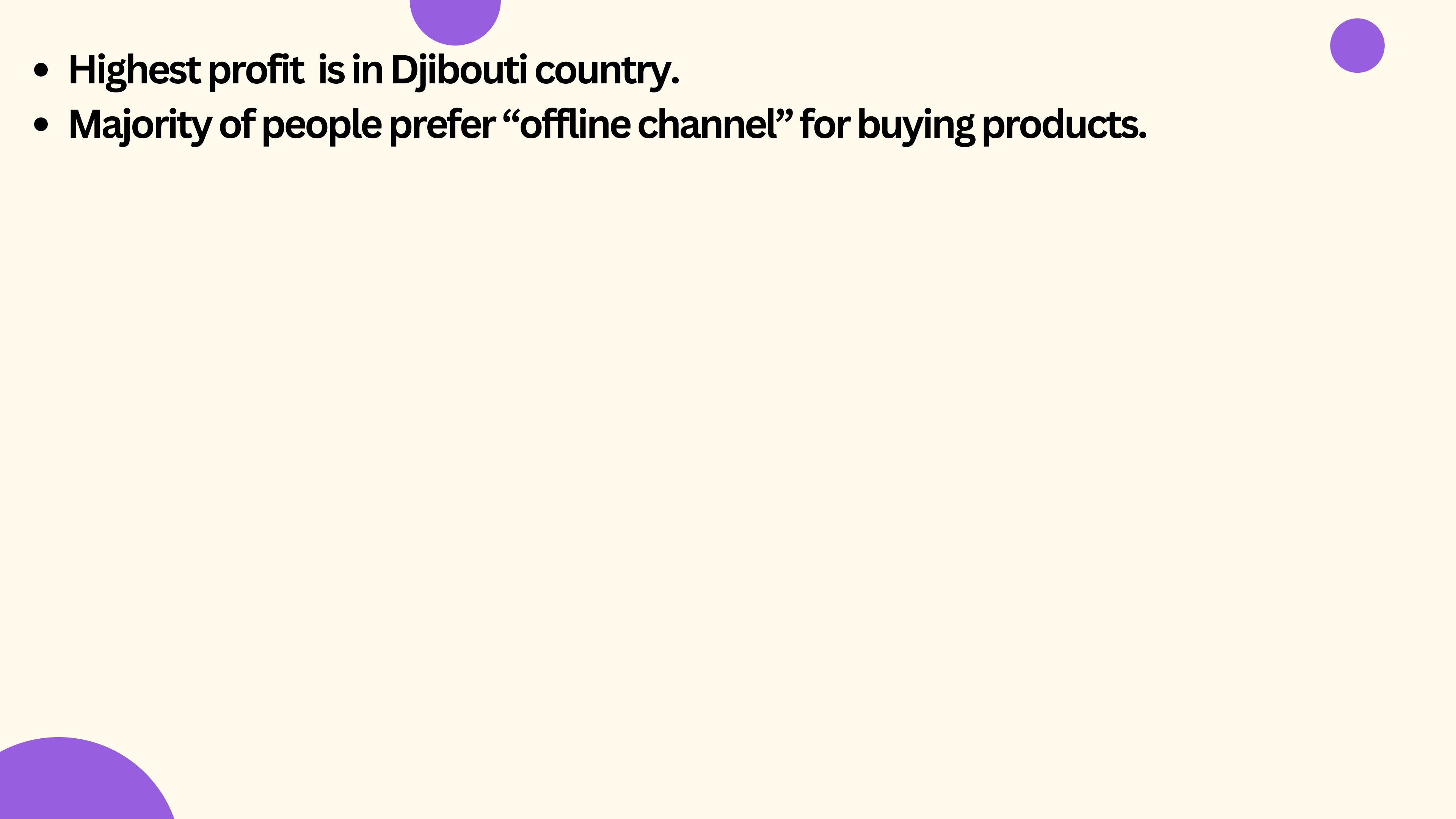




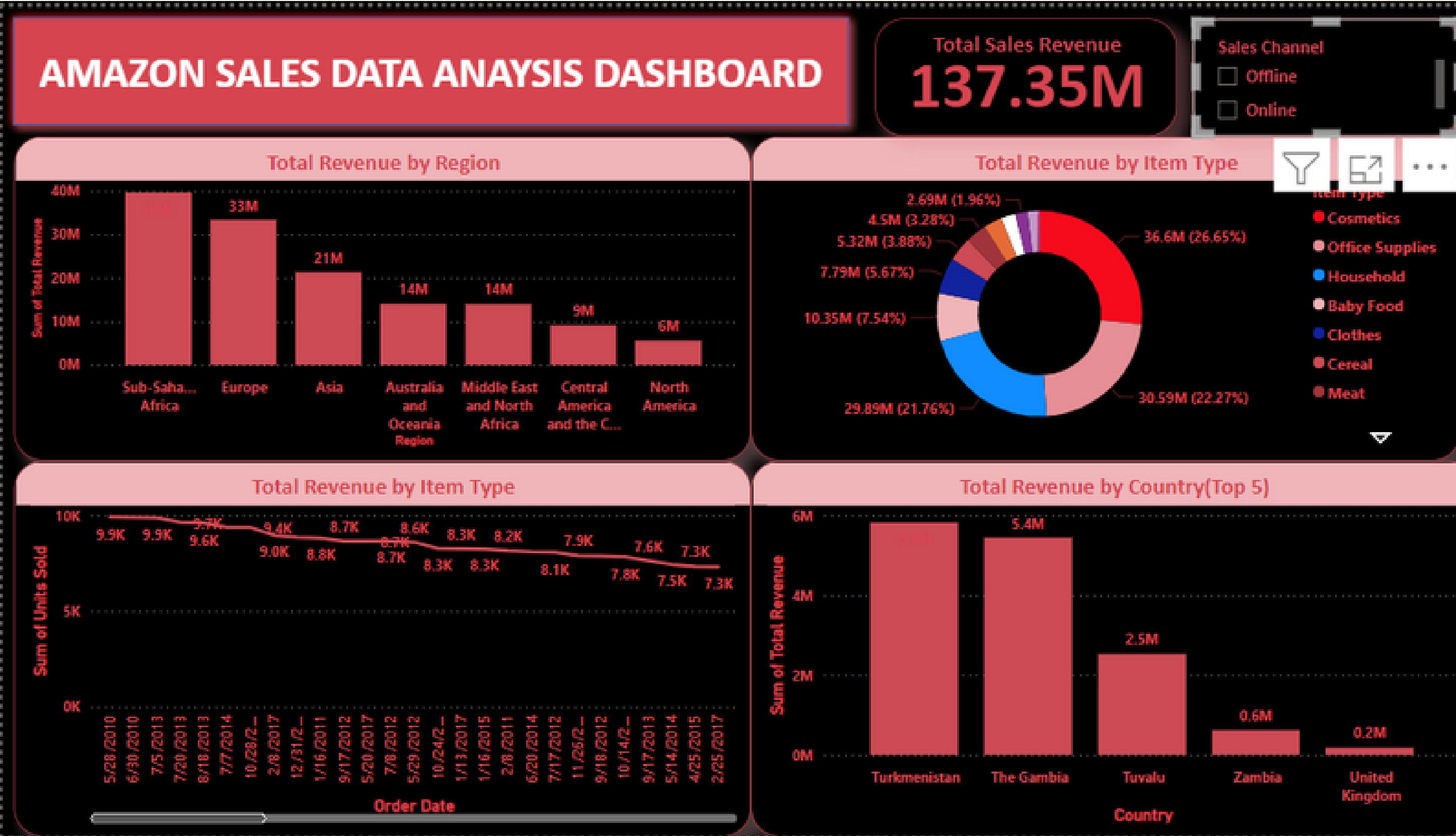


KEY METRICS

- Total profit is \$44.17 million, total cost is \$93.18 million, total sales revenue is \$137.35 million, average unit price is \$276.76 million, average unit cost is \$191.048, total units sold are 512871.
- Total sales revenue is maximum in year 2012 and month february and minimum in year 2011, month august.
- Total sales revenue, total cost and total profit are maximum in Sub-saharan africa region.
- Cosmetics had the highest total sales revenue and fruits had the lowest total sales revenue.
- Maximum total units sold in year Jly 2012 and minimum in June 2011.
- The 'H' order priority gave highest sales.

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- Three solid purple circles are positioned on the slide: one at the top center, one at the top right, and a larger one at the bottom left corner.
- **Highest profit is in Djibouti country.**
 - **Majority of people prefer “offline channel” for buying products.**

DASHBOARDS



AMAZON SALES DATA ANALYSIS DASHBOARD

Total Sales Revenue

58.25M

Sales Channel

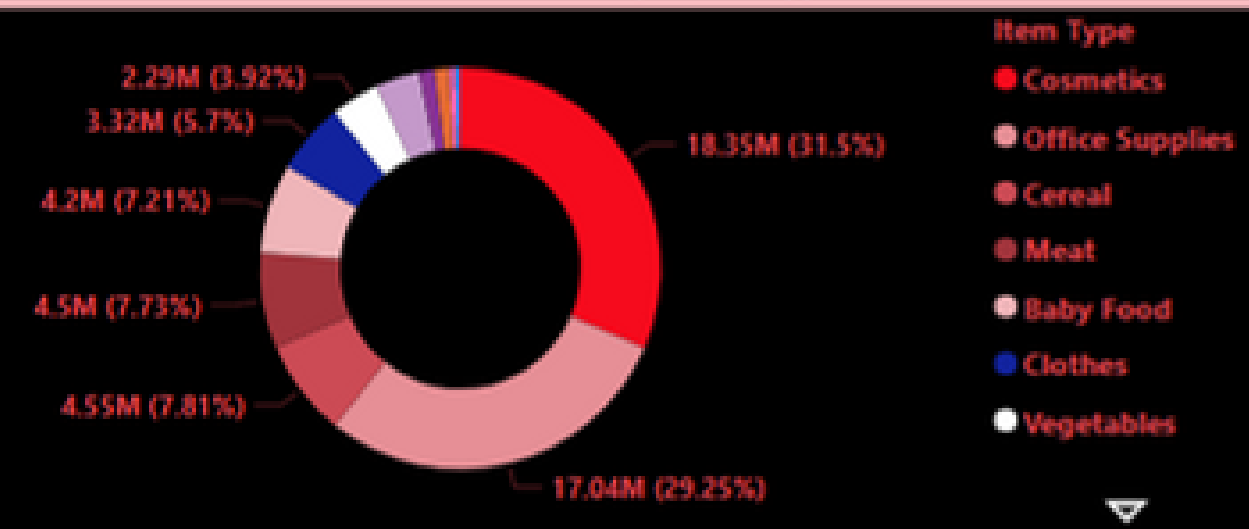
☐ Offline

☒ Online

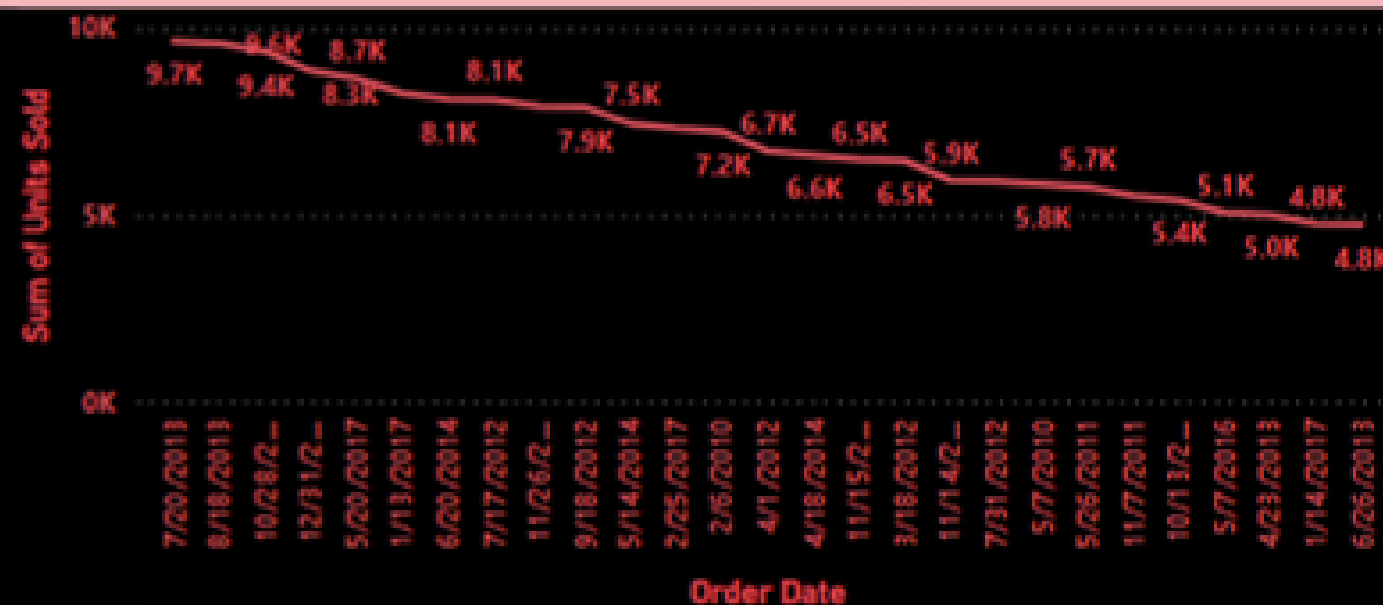
Total Revenue by Region



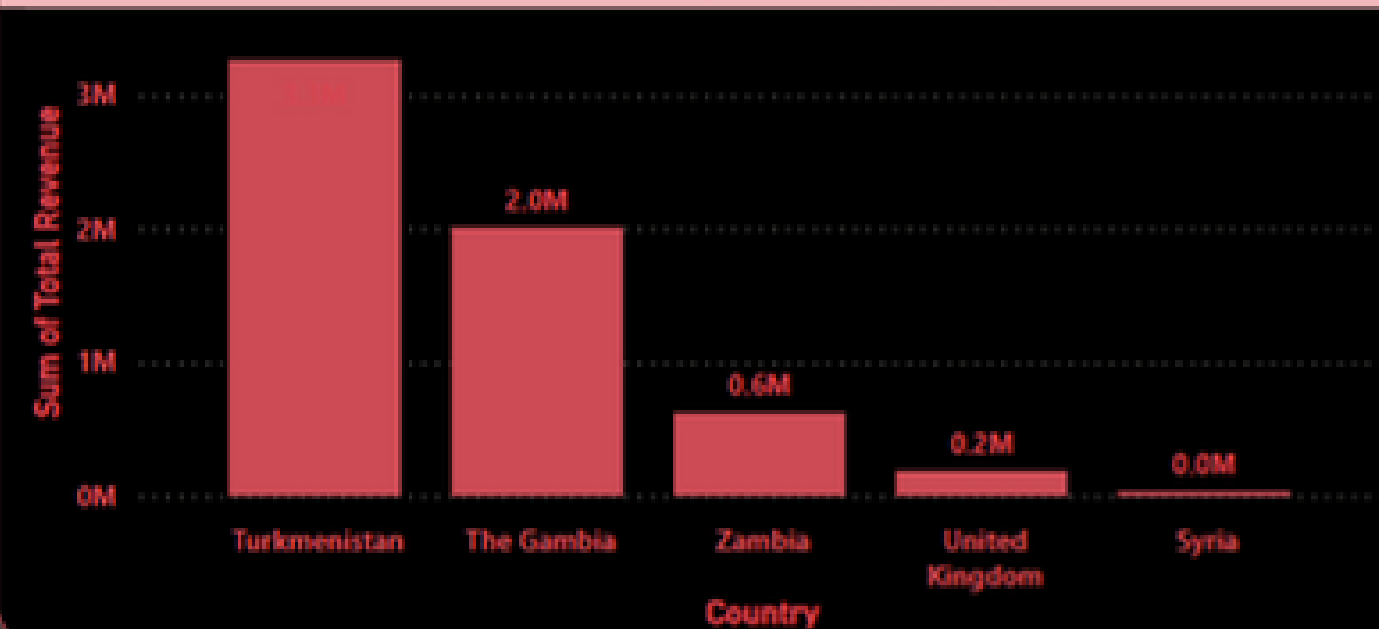
Total Revenue by Item Type



Total Revenue by Item Type



Total Revenue by Country(Top 5)



AMAZON SALES DATA ANALYSIS DASHBOARD

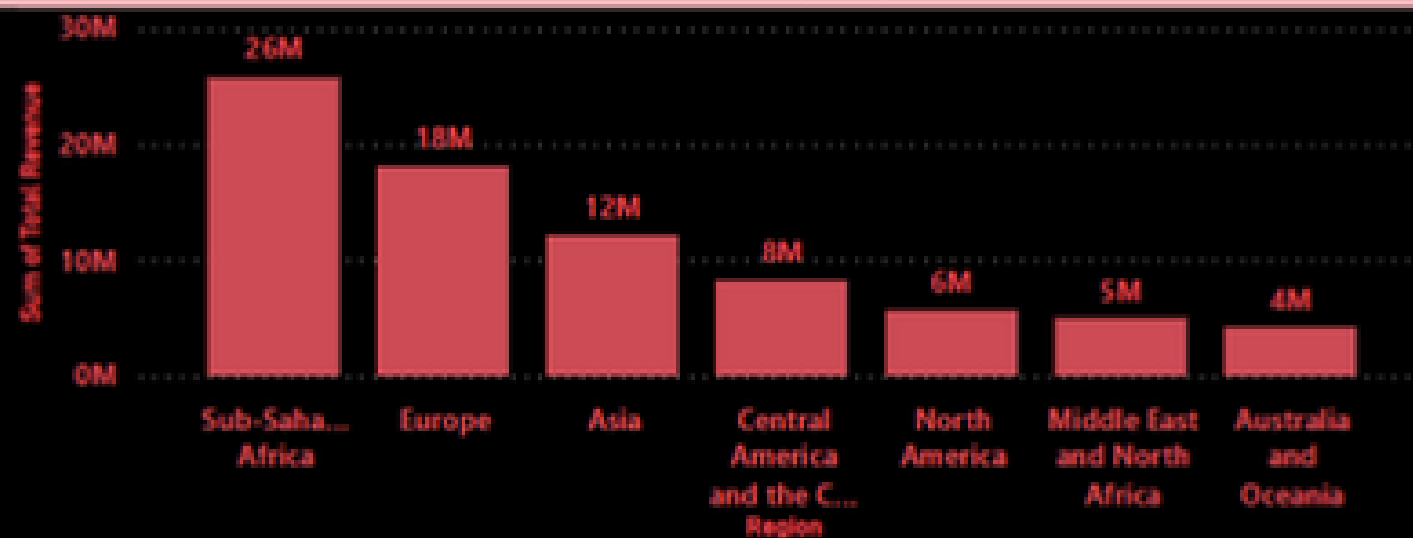
Total Sales Revenue
79.09M

Sales Channel

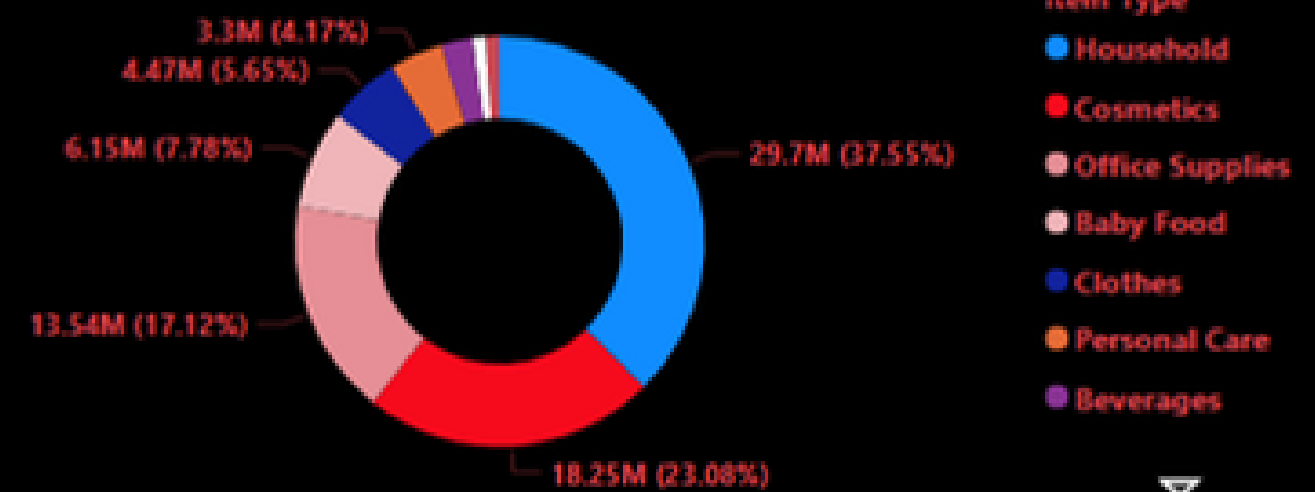
☒ Offline

☐ Online

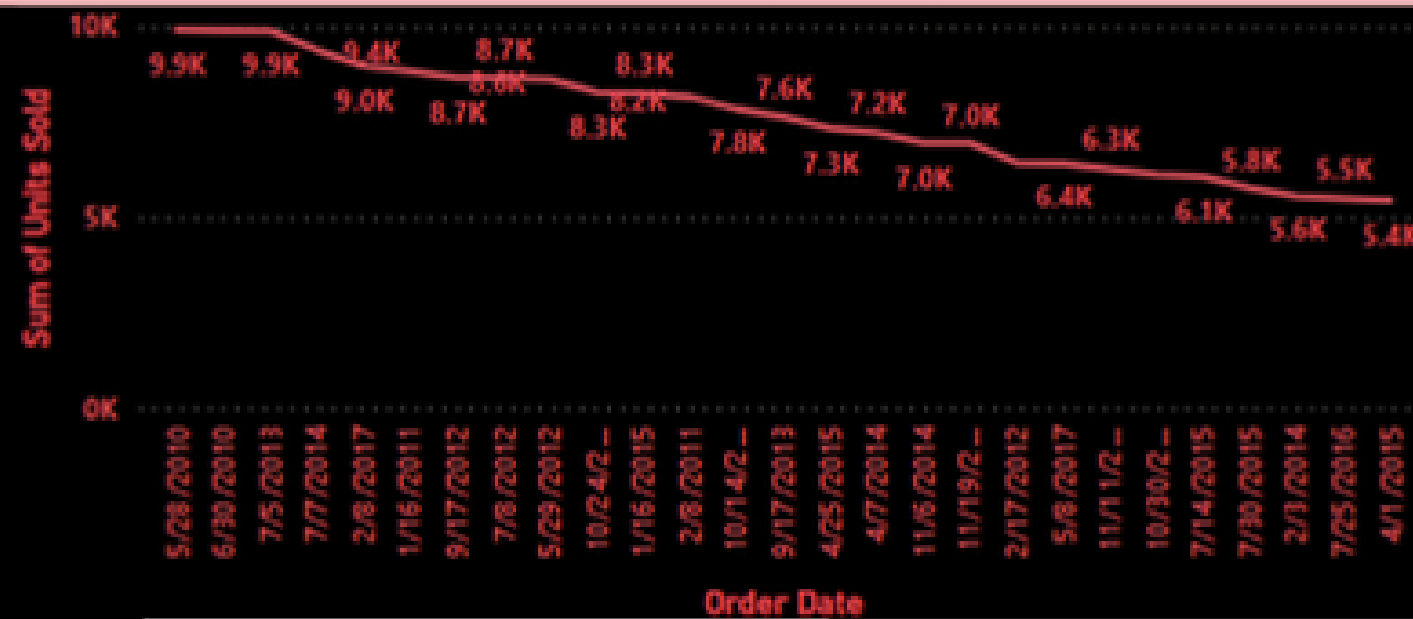
Total Revenue by Region



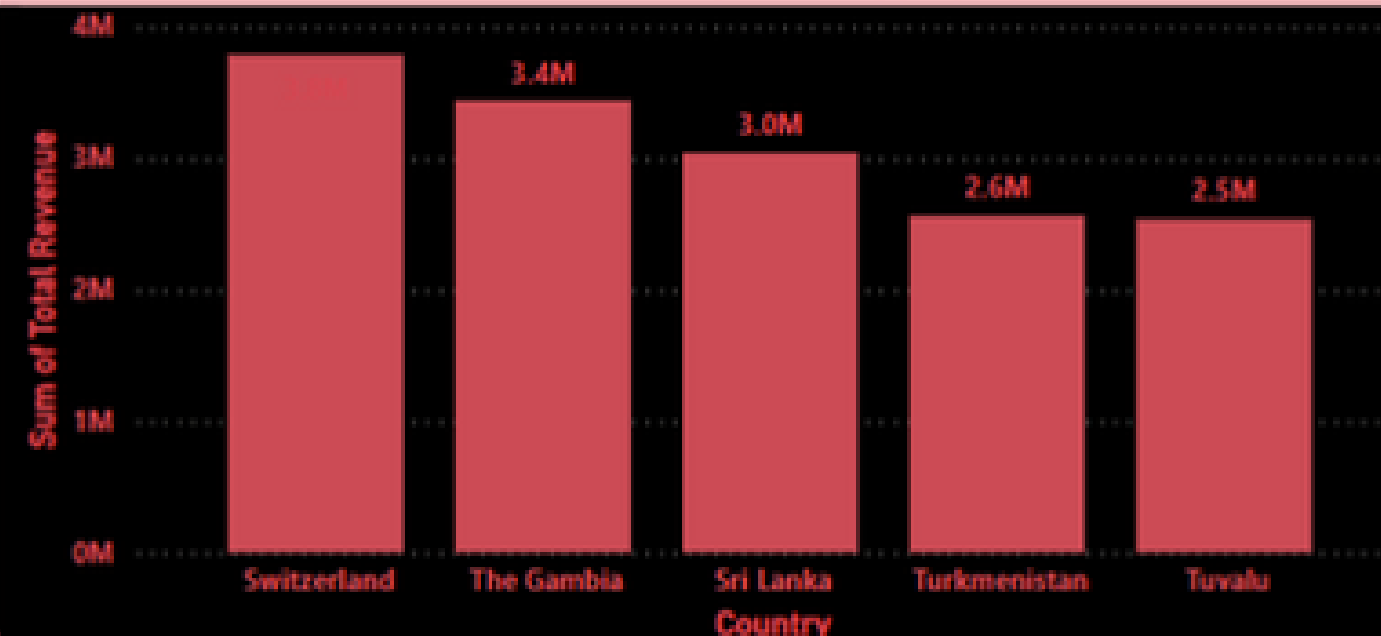
Total Revenue by Item Type

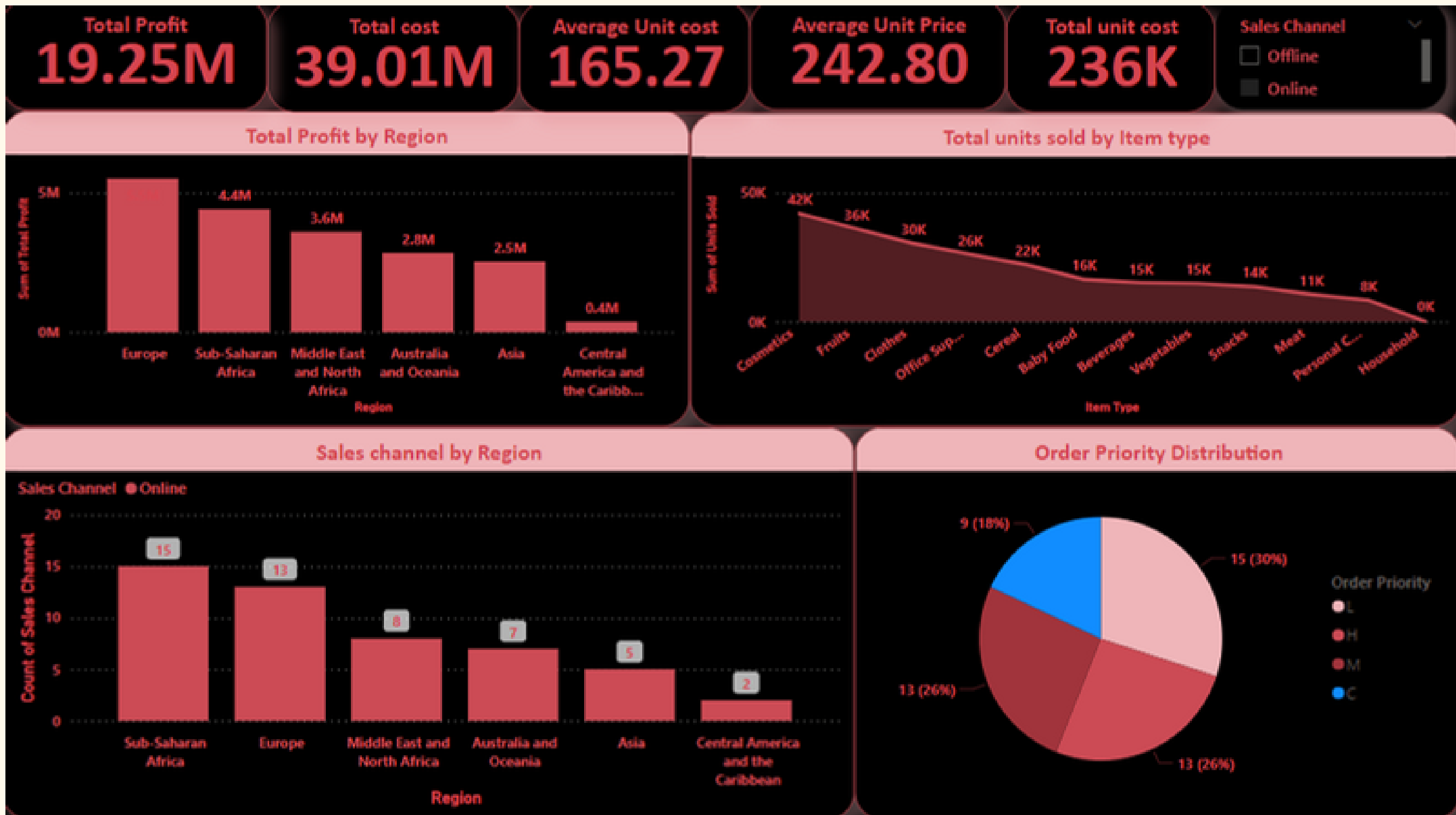


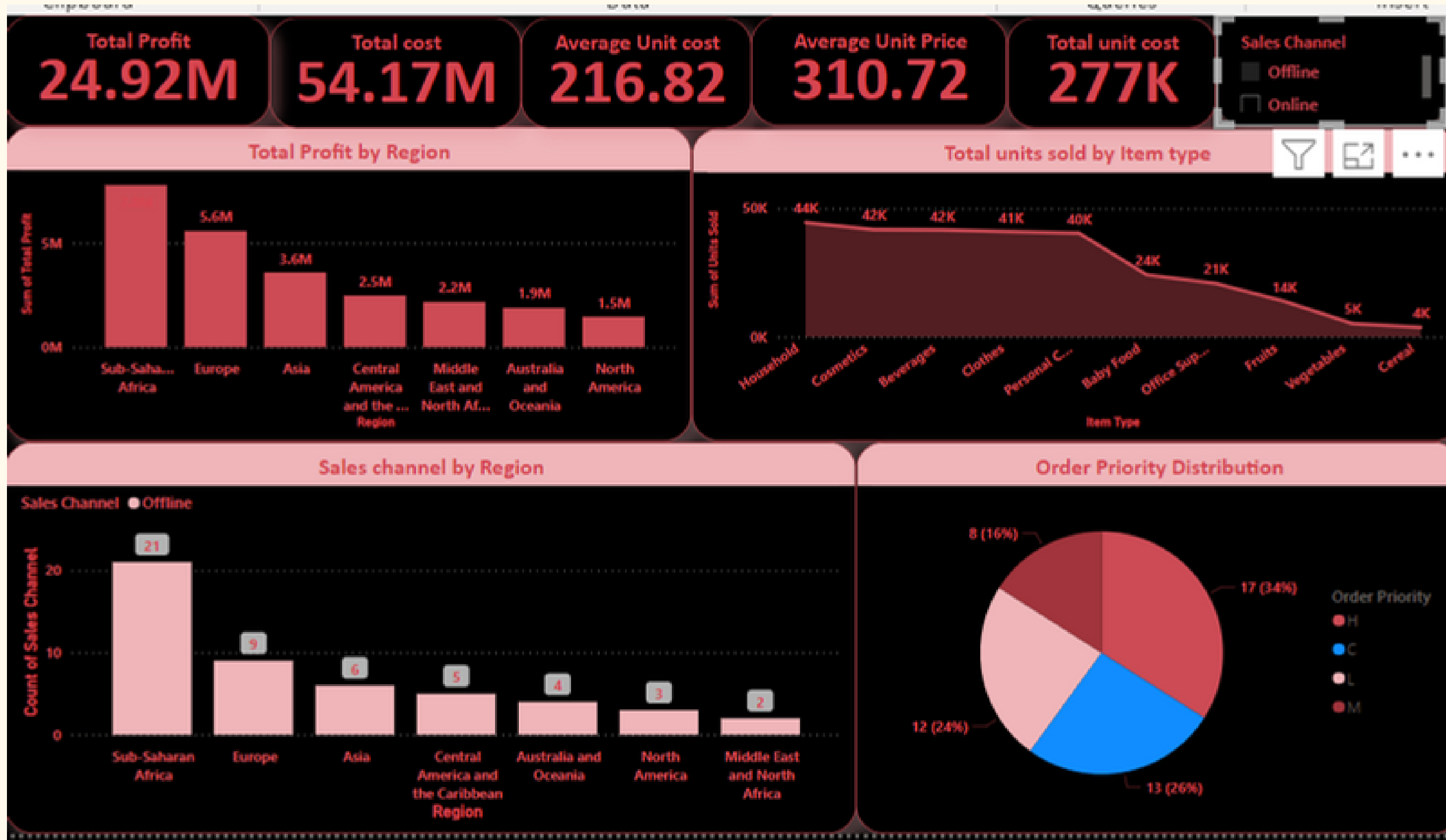
Total Revenue by Item Type

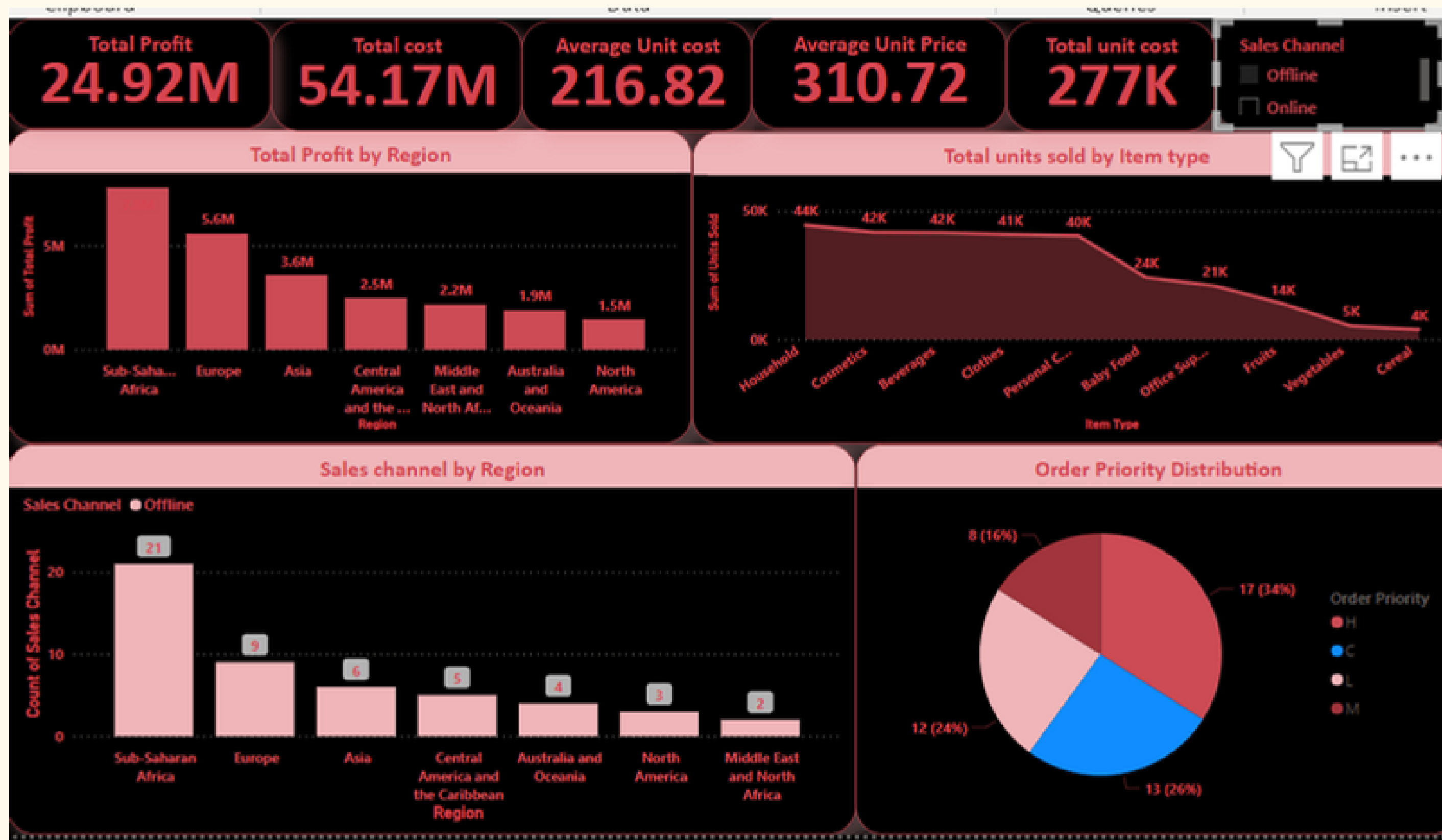


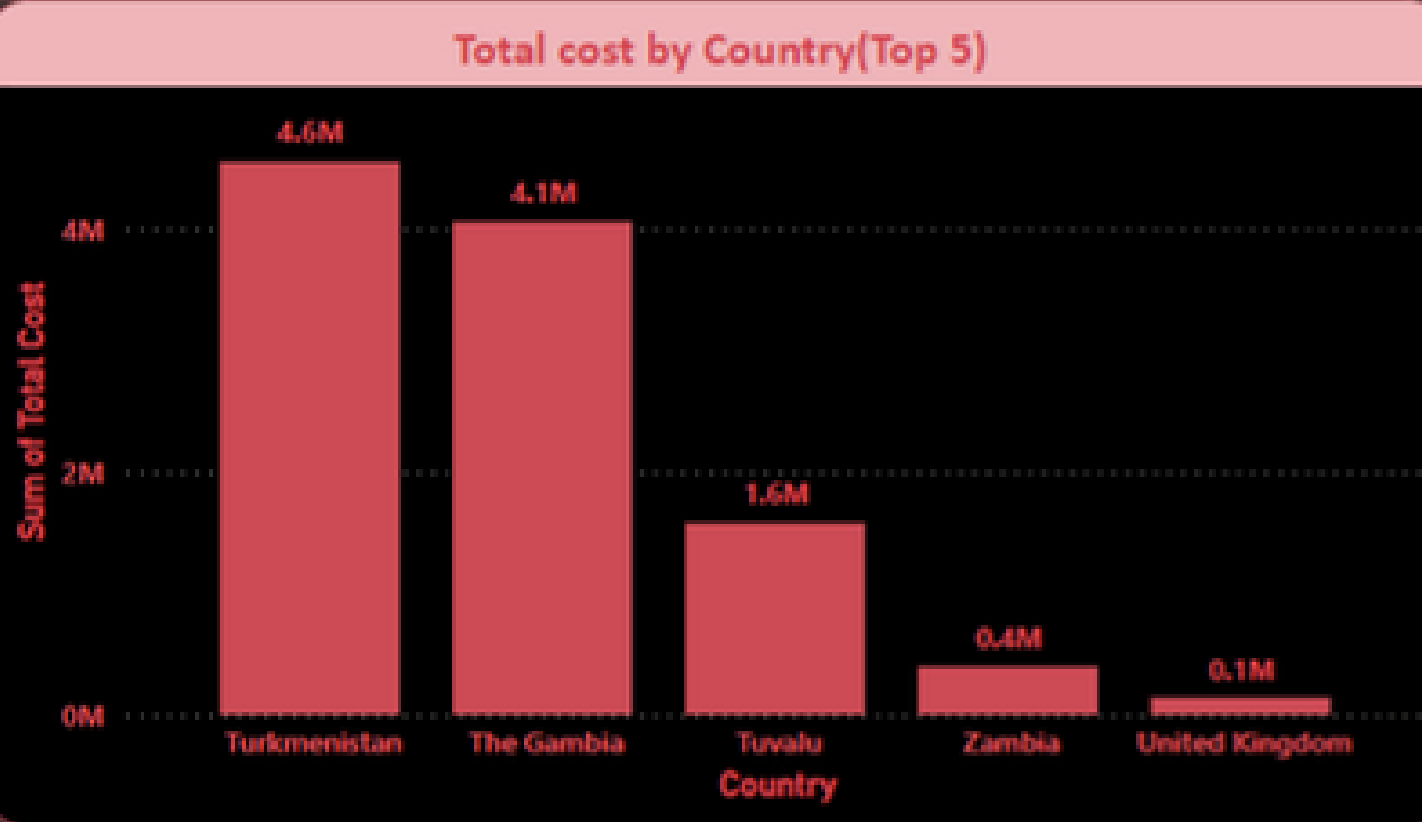
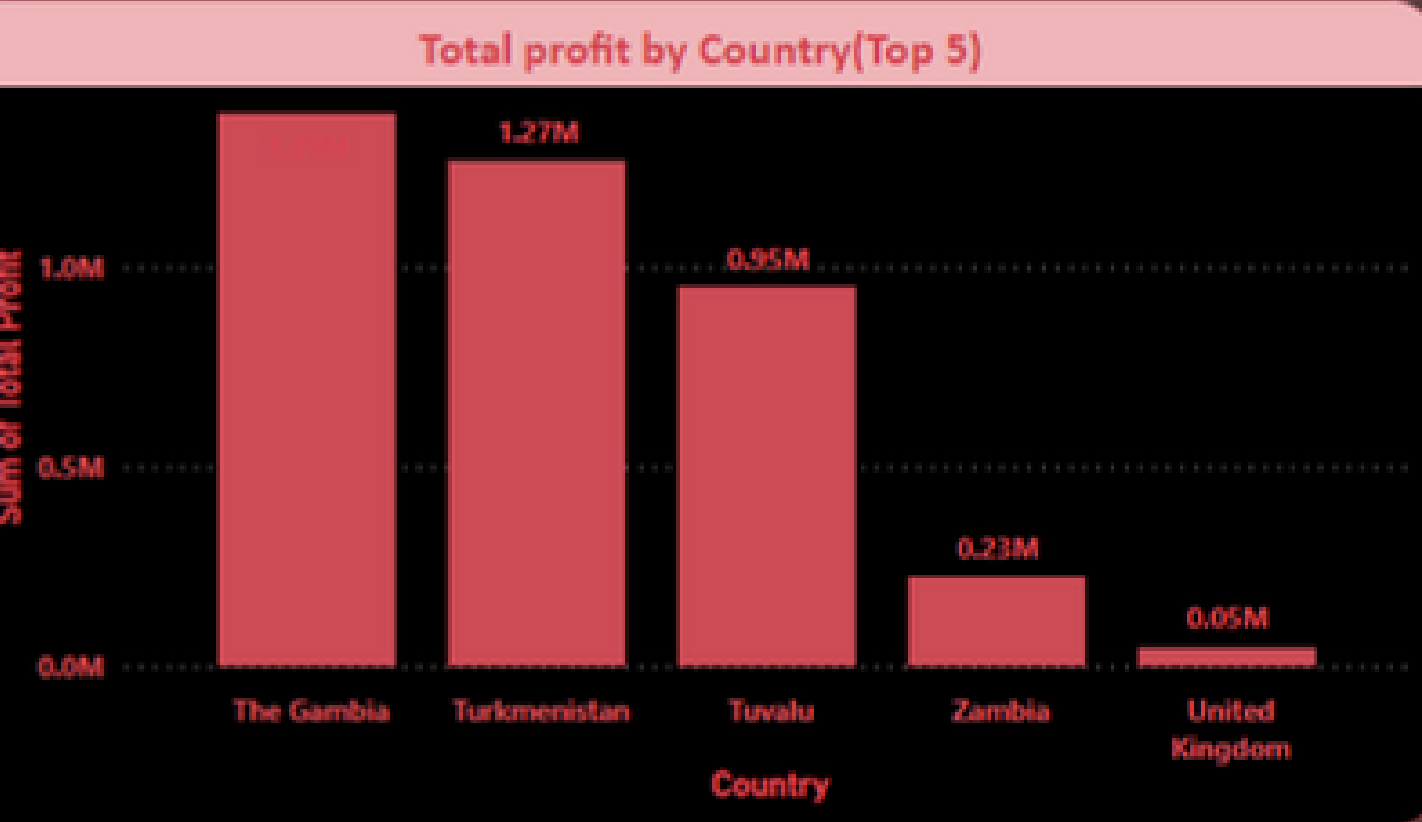
Total Revenue by Country(Top 5)

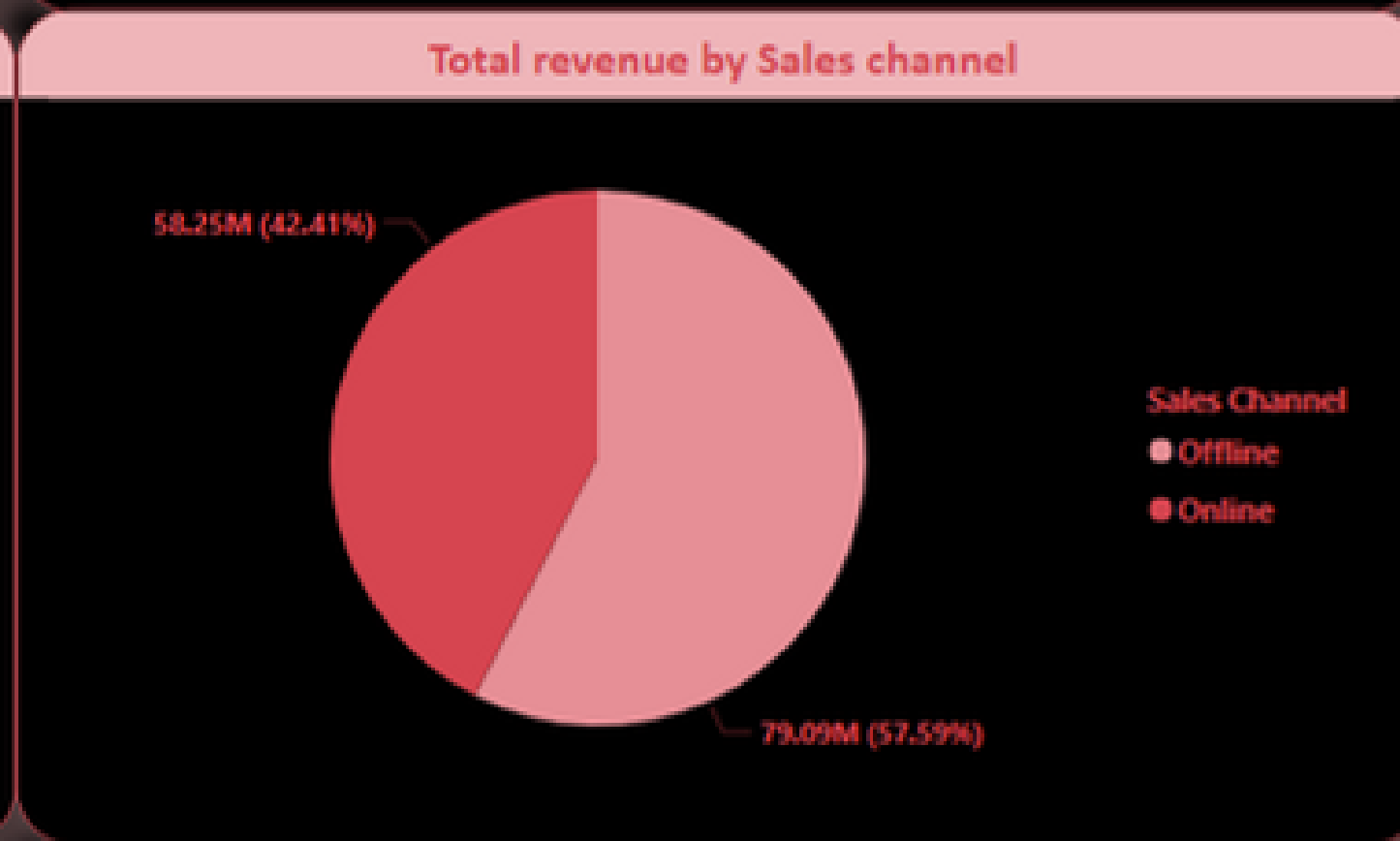
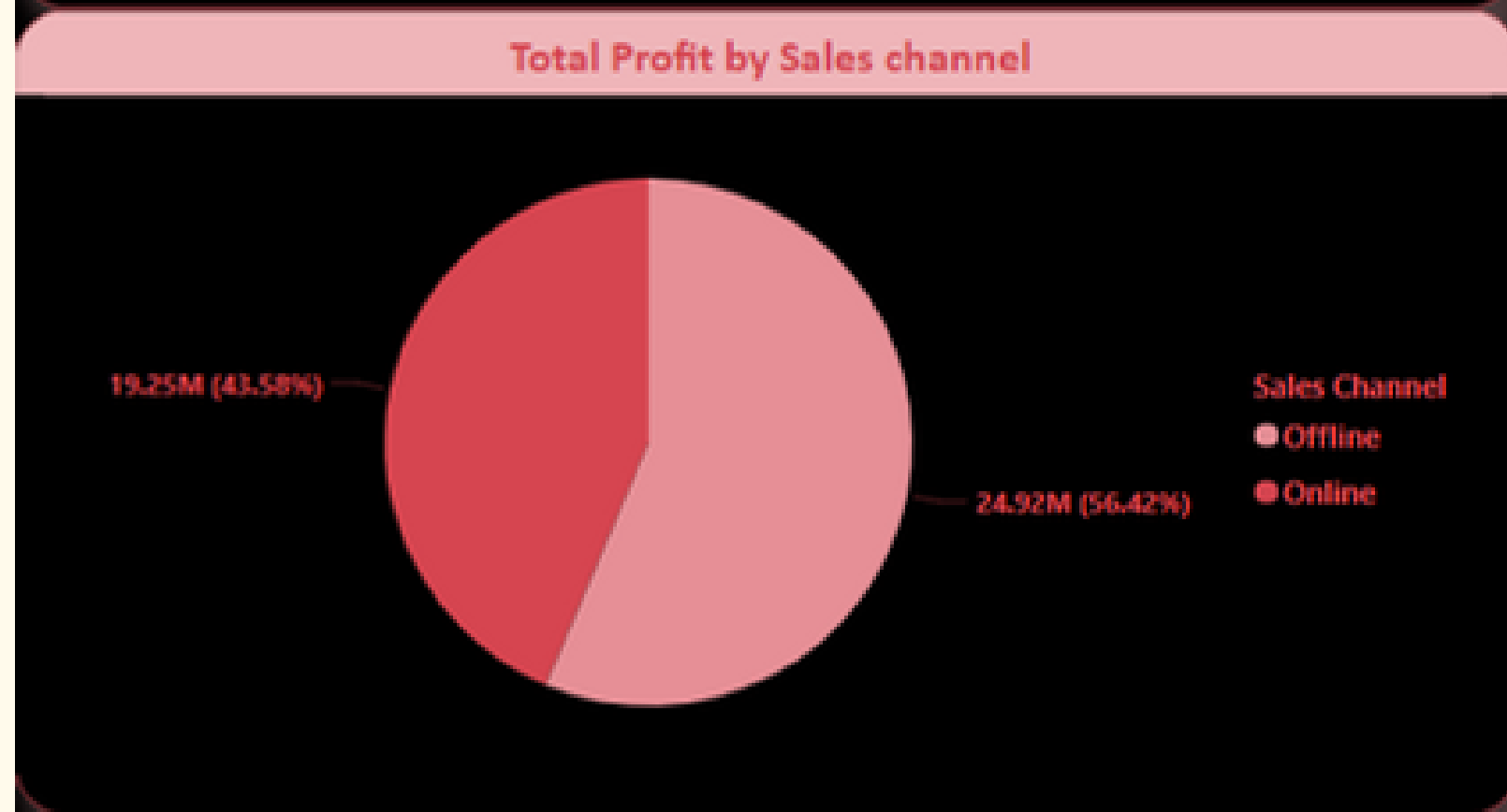
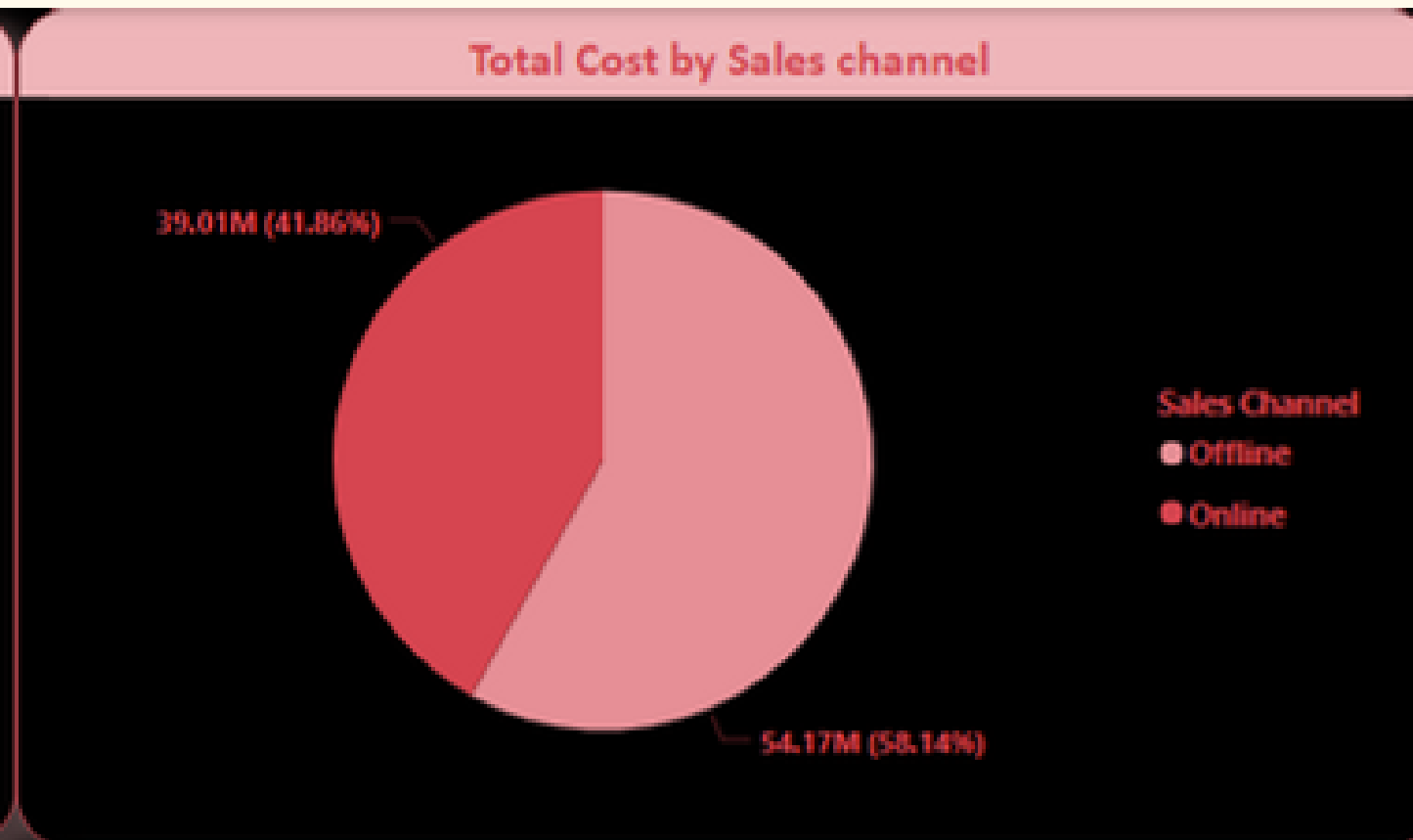
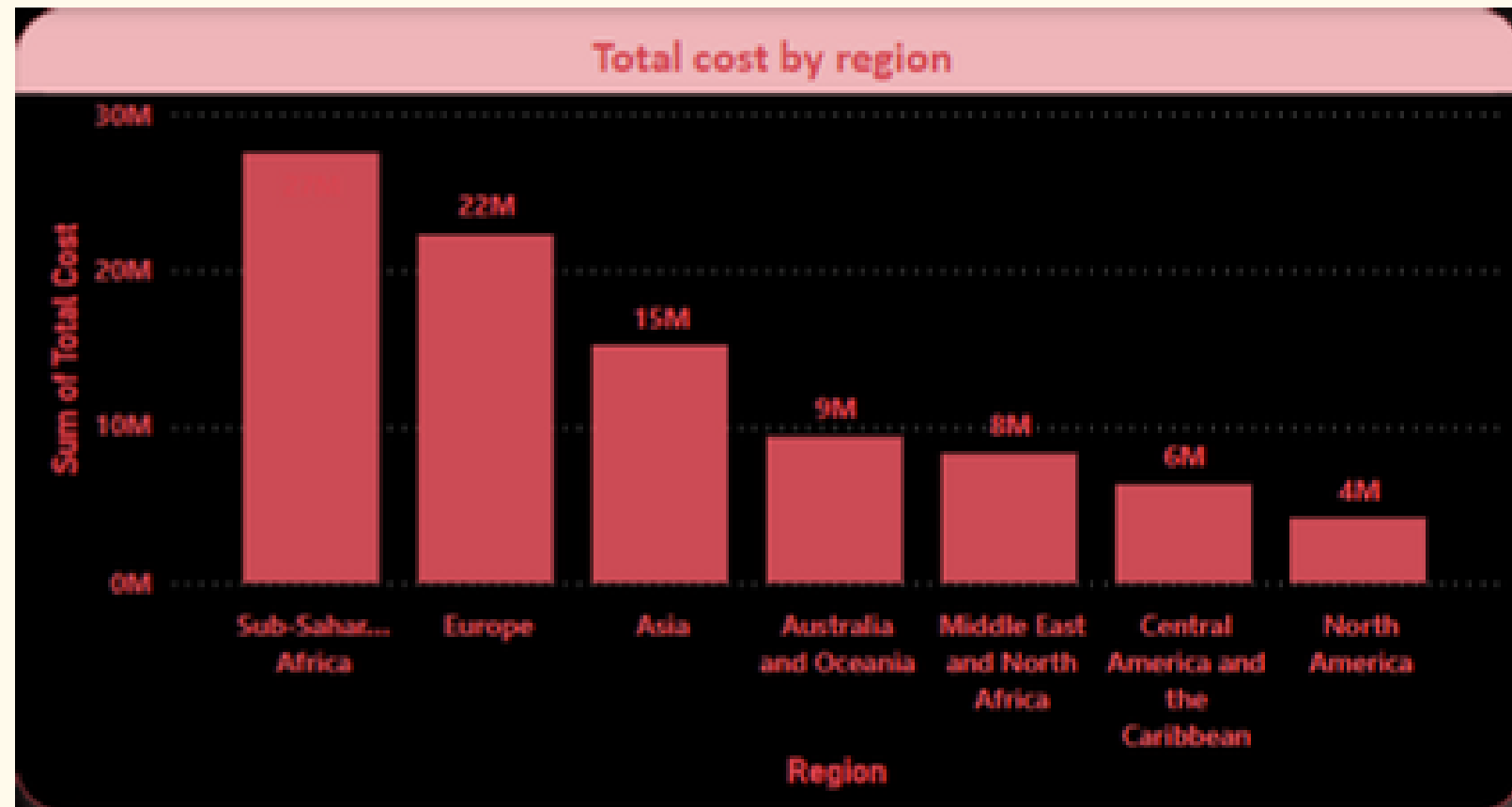














THANK YOU