# Sales Data Analysis Report

#### 1. Overview

This report explores key insights from the sales dataset, covering aggregate metrics and drill-downs based on various dimensions.

# 2. Key Insights

# **Aggregate Sales Data:**

- 1. Total Sales- Rs 10.20 Billion
- 2. Average Transaction Value- Rs 20405
- 3. Total Quantity Sold- 3747755
- 4. Most Sold Product- NoteBook
- 5. Most Profitable City- Kolkata

#### Sales Breakdown:

## a. By Payment Method:

- i. Cash- Rs 2558.68 Cr
- ii. Debit Card- Rs 2552.37 Cr
- iii. UPI- Rs 2530.18 Cr
- iv. Credit Card- Rs 2517.71 Cr
- v. Unknown-Rs. 45.73 Cr

#### b. By Store Type:

- i. In-Store Sales- Rs 5078.88 Cr
- ii. Online Sales- Rs 5078.08 Cr
- iii. Unknown- 45.73 Cr

## c. By Region:

- i. South- Rs 3177.27 Cr
- ii. East- Rs 2654.97 Cr
- iii. North-Rs 2171.50 Cr
- iv. West-Rs2159.91 Cr
- v. Unknown-Rs 39.01 Cr

#### d. By Gender:

i. Male- Rs 3397.98 Cr

- ii. Other- Rs 3391.55 Cr
- iii. Female- Rs 3367.39 Cr
- iv. Unknown- 45.73 Cr

## 3. SQL Queries

#### a. Total Sales

SELECT SUM(TransactionAmount) AS TotalSales FROM SalesData;

# b. Average Transaction Value

SELECT AVG(TransactionAmount) AS AvgTransactionValue FROM SalesData;

#### c. Total Products Sold

SELECT SUM(Quantity) AS ProductSold FROM SalesData

## d. Most Products Sold

SELECT ProductName, COUNT(\*) AS SalesCount FROM SalesData
GROUP BY ProductName
ORDER BY SalesCount DESC
LIMIT 1;

## e. Most Profitable City

SELECT City, SUM(TransactionAmount) AS Revenue FROM SalesData GROUP BY City Order BY Revenue DESC LIMIT 1;

## f. Sales By Payment Method

SELECT PaymentMethod, SUM(TransactionAmount) AS Revenue FROM SalesData GROUP BY PaymentMethod

#### Order BY Revenue DESC;

# g. Sales By Store Type

SELECT StoreType, SUM(TransactionAmount) AS Revenue FROM SalesData GROUP BY StoreType Order BY Revenue DESC;

# h. Sales By Region

SELECT Region, SUM(TransactionAmount) AS Revenue FROM SalesData GROUP BY Region Order BY Revenue DESC;

# i. Sales By Gender

SELECT CustomerGender, SUM(TransactionAmount) AS Revenue FROM SalesData GROUP BY CustomerGender Order BY Revenue DESC;

## j. Sales By Gender in a region

SELECT Region, CustomerGender, SUM(TransactionAmount) AS
TotalRevenue
FROM SalesData
GROUP BY Region, CustomerGender
ORDER BY TotalRevenue DESC;

# k. Loyalty Points gained by each Customer ID

SELECT CustomerID, SUM(LoyaltyPoints) as LoyaltyPoints FROM SalesData GROUP BY CustomerID