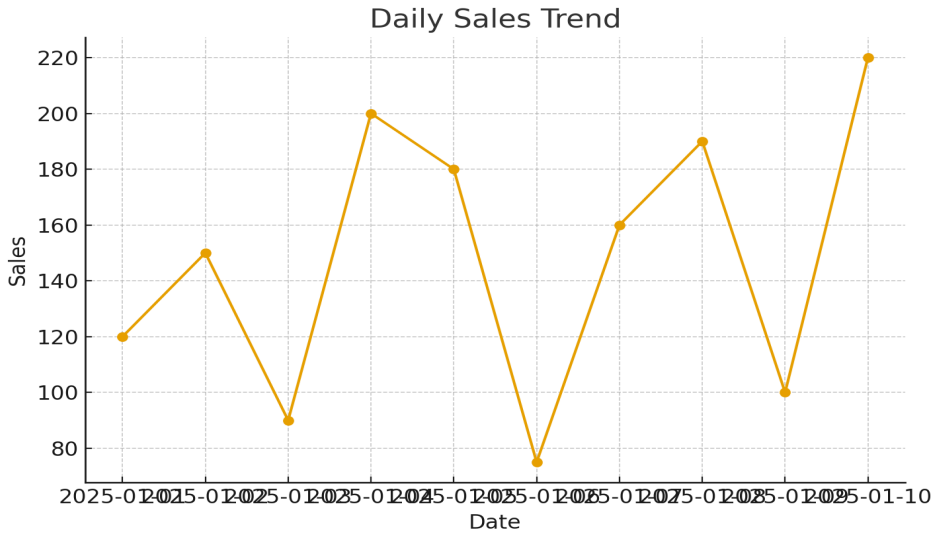
Sales Data Analysis Report with Code

This document contains the sales analysis report along with the Python code used to generate the results. The analysis was performed using Pandas and Matplotlib.

Python Code:

```
import pandas as pd
import matplotlib.pyplot as plt

# Sample sales data (same as notebook)
data = {
    "Date": pd.date_range("2025-01-01", periods=10, freq="D"),
    "Product": ["A", "B", "C", "A", "B", "C", "A", "B", "C", "A"],
    "Sales": [120, 150, 90, 200, 180, 75, 160, 190, 100, 220]
}

# Create DataFrame
df = pd.DataFrame(data)

# Total sales by product
sales_by_product = df.groupby("Product")["Sales"].sum()

# --- Plot 1: Daily Sales Trend ---
plt.figure(figsize=(8,5))
plt.plot(df["Date"], df["Sales"], marker="o")
plt.title("Daily Sales Trend")
plt.xlabel("Date")
plt.ylabel("Sales")
plt.grid(True)
plt.savefig("/mnt/data/notebook_sales_trend.png")
plt.close()

# --- Plot 2: Total Sales by Product ---
plt.figure(figsize=(6,4))
sales_by_product.plot(kind="bar", title="Total Sales by Product")
plt.ylabel("Sales")
plt.savefig("/mnt/data/notebook_sales_by_product.png")
plt.close()
```

Daily Sales Trend:



Total Sales by Product (Chart):