```
Enter your choice (1-9): 1
Enter the CSV file path or name: sales_data.csv
   date(yyyy-mm-dd) product category price quantity sold \
       3/5/2025 Headphones
9
                                 Computers 50969
                                                      1
         2/8/2025 Monitor
3/31/2025 Laptop
1
                                 Computers 46594
                                                            16
                              Accessories 53765
       3/31/2025
2
                                                            3
       4/30/2025 Keyboard Electronics 42111
3
        3/29/2025 Smartphone Electronics 25883
4
                                                           19
           ... ...
                                   ... ...
                              Accessories 20742
         2/21/2025 Keyboard Accessories 20742
6/10/2025 Printer Office Supplies 99204
495
496
                                                            1
497
        5/22/2025 Router Office Supplies 638
498
         9/5/2025 Mouse Office Supplies 16552
499
        8/14/2025 Webcam
                                  Computers 59306
    total sales
         50969
        745504
1
2
        161295
3
        168444
        491777
4
495
        165936
496
        99204
497
         1914
498
        115864
499
        474448
```

```
====== RETAIL ANALYZER MENU ======
```

- 1. Load Data
- 2. Clean Data
- 3. Calculate Metrics
- 4. Filter Data
- 5. Display Summary
- 6. Plot Total Sales by Category (Bar)
- 7. Plot Sales Trend Over Time (Line)
- 8. Plot Correlation Heatmap
- 9. Exit

Enter your choice (1-9): 3 Total Sales: 277,728,667.00

Average Sale per Transaction: 555,457.33 Most Popular Product: Tablet (Sold: 624)

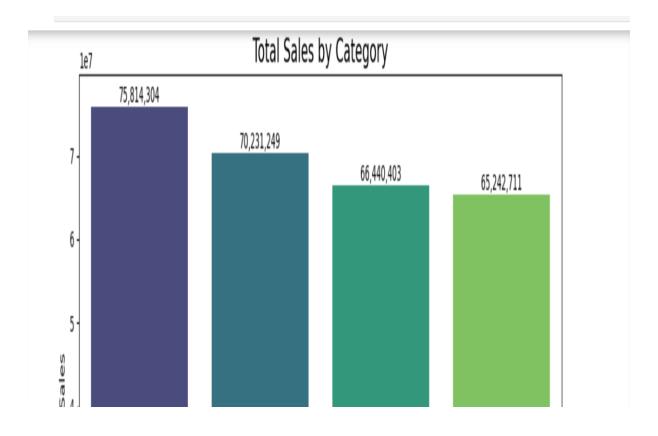
====== RETAIL ANALYZER MENU ======

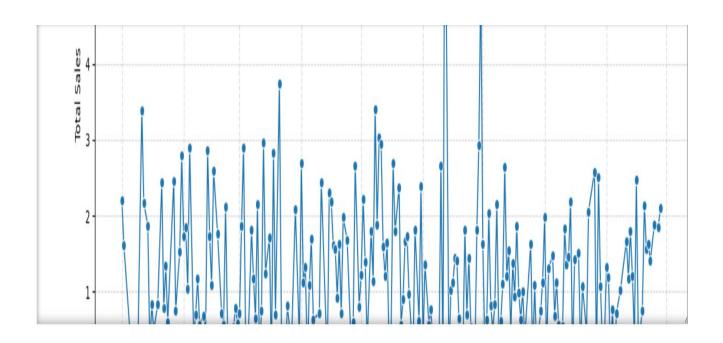
- 1. Load Data
- 2. Clean Data
- 3. Calculate Metrics
- 4. Filter Data
- 5. Display Summary
- 6. Plot Total Sales by Category (Bar)
- 7. Plot Sales Trend Over Time (Line)
- 8. Plot Correlation Heatmap
- 9. Exit

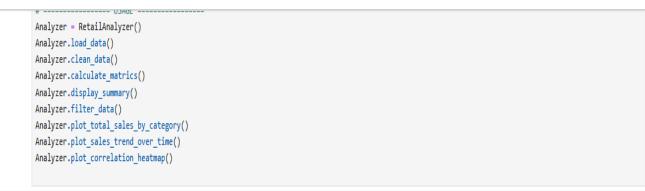
Enter your choice (1-9): ↑ for history. Search history with c-↑/c-↓

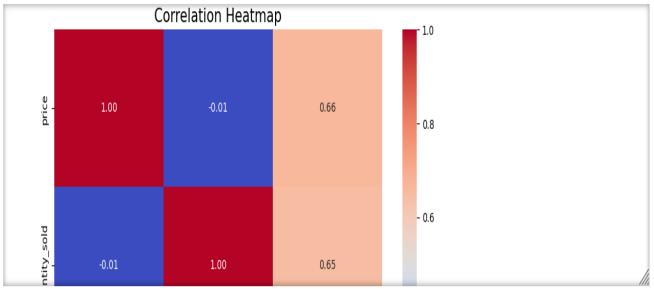
```
9. EXIT
Enter your choice (1-9): 4
Filter by product (leave blank for none):
Filter by category (leave blank for none):
Price min (leave blank for none): 20
Price max (leave blank for none): 90
Total Sale min (leave blank for none):
Total Sale max (leave blank for none):
Filtered records: 0
====== RETAIL ANALYZER MENU ======
1. Load Data
2. Clean Data
3. Calculate Metrics
4. Filter Data
5. Display Summary
6. Plot Total Sales by Category (Bar)
7. Plot Sales Trend Over Time (Line)
8. Plot Correlation Heatmap
Enter your choice (1-9): ↑ for history. Search history with c-↑/c-↓
```

[123]:









====== RETAIL ANALYZER MENU ======

- 1. Load Data
- 2. Clean Data
- 3. Calculate Metrics
- 4. Filter Data
- 5. Display Summary
- 6. Plot Total Sales by Category (Bar)
- 7. Plot Sales Trend Over Time (Line)
- 8. Plot Correlation Heatmap
- 9. Exit

Enter your choice (1-9): 9

Exiting... Goodbye!