Lesson 3 - Exercise 3.2: Data Blending

Business Scenario

Now, the manager wants to look at the vendor price for these products to calculate the profit margin after the discount. The category information is stored in the Customer Analysis dataset, and the vendor item price information is stored in the Sales Inventory Analysis dataset. You are required to blend data from two datasets and create a visualization that represents the vendor item price for each product category.
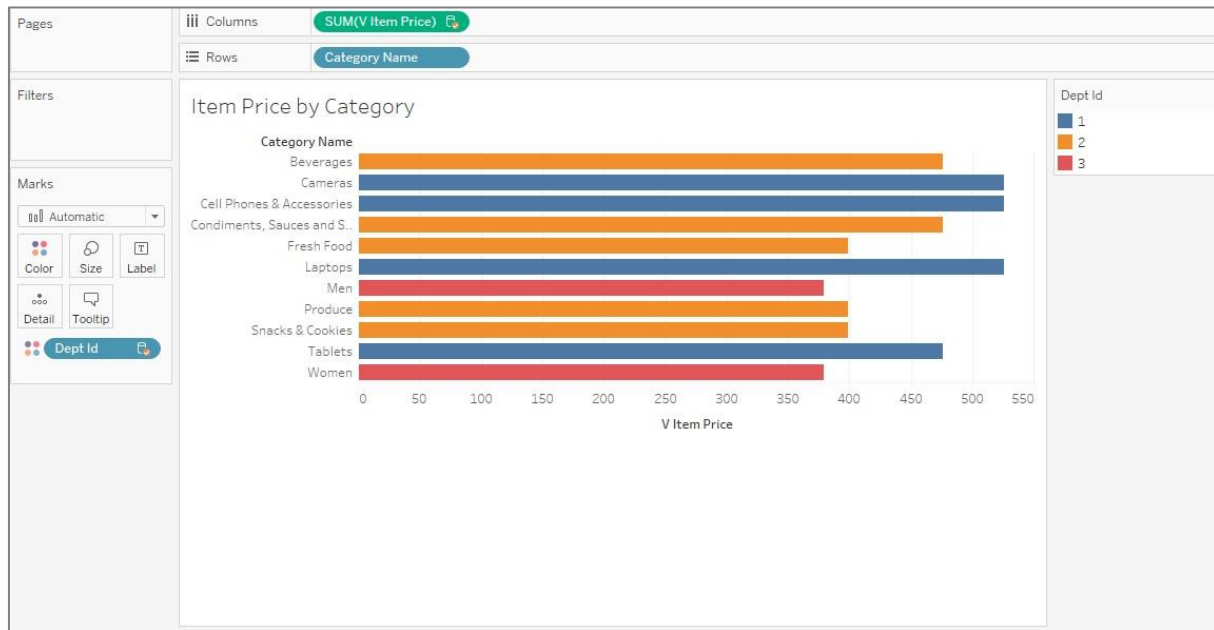
Analyze the view and answer the following questions:

- Which categories have vendor item prices above $500?
- Between Laptops and Tablets, which category has a lower vendor item price?

Overview

- Blend data from two data sources based on the common link.
- Add Category Name dimension from Customer Analysis data source and Item Price measure from Sales Inventory Analysis data source.
- Analyze the Category-wise Item Price.
- Color the view by Dept Id.

The final view should resemble the following image:

Detailed Instructions

1. In the workbook from Exercise 3.1, click on **New worksheet** icon.
2. Rename the worksheet as **Item Price by Category.**
3. On the toolbar, click the **New Data Source** icon.
4. Browse and connect to the **CUSTOMER ANALYSIS** Excel file.
5. Add **CATEGORY** table and go to sheet **Item Price by Category**.
6. On the toolbar, click the **New Data Source** icon.
7. Under **Connect**, under **To a file**, click **Access.**
8. Browse and select **Sales_inventory_analysis.accdb** file.
9. Join the **Category** and **Vendor_fact** tables in an Inner Join.
10. Go to the sheet **Item Price by Category.**
11. In the Data pane, select the **CATEGORY (CUSTOMER ANALYSIS)** data source.
12. Drag **Category Name** to the Rows shelf.
13. Click the **Category+ (Sales_inventory_analysis)** data set.
14. Under the Data menu, click **Edit Relationships.**
15. In the Relationships window, select **Custom** and click **Add**.
16. In the Add/Edit Field Mapping window, under Primary data source field, select **Category Name**; under Secondary data source field, select **Category NAME**, and click **OK**.
17. Drag the **V Item Price** measure to the Columns shelf.
18. Drag **Dept Id** to Color shelf.

19. Save and Close the workbook.

Answers

Based on the view, these are the answers to the questions in the problem statement:

- Which categories have vendor item prices above $500?
  Answer - **Cameras, Cell Phones & Accessories,** and **Laptops**

- Between Laptops and Tablets, which category has a lower vendor item price?
  Answer - **Tablets**