**Lesson 03 Demo 02**

**Data Blending**

**Business Scenario:**

A manager wants to look at the vendor price for these products to calculate the profit margin after the discount. The customer analysis dataset stores the category information and the sales inventory analysis dataset stores the vendor item price information. You are required to blend data from two datasets and create a visualization that represents the vendor item price for each product category.

* 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:

Graphical user interface, application

Description automatically generated

**Detailed Instructions**

1.In the workbook from Exercise 3.1, click on **New worksheet** icon

Graphical user interface

Description automatically generated

2.Rename the worksheet as **Item Price by Category**

A screenshot of a computer

Description automatically generated

3.On the toolbar, click the **New Data Source** icon from the **Data tab**

Graphical user interface, text, application

Description automatically generated

4.Browse and connect to the **CUSTOMER ANALYSIS** Excel file

Graphical user interface, application

Description automatically generated

View appear will be like:

Graphical user interface, application, Word

Description automatically generated

5.Add **CATEGORY** table and go to sheet **Item Price by Category**

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

6.On the toolbar, click the **New Data Source** icon

Graphical user interface, text, application

Description automatically generated

7.Under **Connect**, under **To a File**, click **Microsoft Access**

Graphical user interface

Description automatically generated

8.Browse and select **Sales Inventory Analysis** file

Graphical user interface

Description automatically generated

Graphical user interface, application, Word

Description automatically generated

9.Join the **Category** and **Vendor\_fact** tables in an **Inner** Join

A screenshot of a computer

Description automatically generated

10.Go to the sheet **Item Price by Category**

Graphical user interface, text, application, email

Description automatically generated

11.In the Data pane, select the **CUSTOMER ANALYSIS** data source

Graphical user interface, text, application, email

Description automatically generated

12.Drag **Category Name** to the Rows shelf

Graphical user interface, text, application

Description automatically generated

13.Click the **Category+ (Sales\_inventory\_analysis)** data set

Graphical user interface, text, application

Description automatically generated

14.Under the Data menu, click **Edit Blend Relationships**

Graphical user interface, text, application

Description automatically generated

15. In the Relationships window, select **Custom** and click **Add**

A screenshot of a computer

Description automatically generated

16.In the **Add/Edit Field Mapping** window, under **Primary data source field**, select **Category Name**; under **Secondary data source field**, select **Category NAME**, andclick **OK**

Graphical user interface, application

Description automatically generated

17.Drag the **V Item Price** measure to the **Columns** shelf

Graphical user interface, application

Description automatically generated

18.Drag **Dept Id** to the **Color** shelf

Graphical user interface, application

Description automatically generated

The result should resemble the image below:

Graphical user interface, application

Description automatically generated

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 and Accessories, and Laptops**

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

Answer: **Tablets**