**Lesson 03 Demo 02**

**Data Blending**

* 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

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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**