Designing a Sales dashboard in Excel Business Analytics with Excel Course-end Project 1

Description:

Analyse the sales based on various product categories.

Dataset Description:

The dataset in file E-Commerce Dashboard dataset.xlsx contains sales data for different product categories.

The following are the features in the dataset:

Order ID	Unique Order ID of a product
Order Date	Order Placement Date
Ship Date	Shipment Date of the placed order
Aging	Used to Create Histogram Bin
Ship Mode	Shipment mode of placed order
Product Category	Product Category
Product	Name of the Product
Sales	Sales Amount
Quantity	The amount or number of a material

Discount	A deduction from the usual cost of something
Profit	A financial advantage or benefit
Shipping Cost	The amount required to ship the placed order
Order Priority	Precedence of placed order
Customer ID	Unique Customer ID
Customer Name	Name of the Customer
City	Unique City Name
State	Unique State Name
Country	Unique Country Name
Region	Especially the part of a country
Months	The month of placing the order

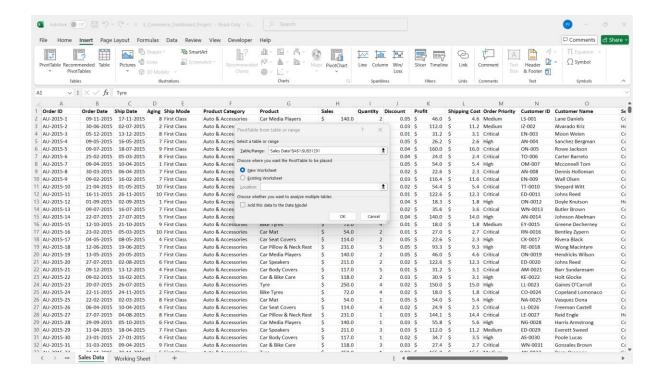
Tools required: Microsoft Excel, Data Analysis Add-in

Task:1

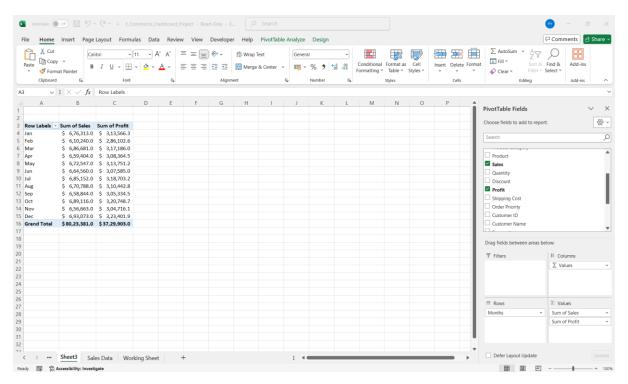
- Use the saved Sample E-Commerce database
- Prepare a table of Sales and Profit month-wise in a working sheet

Step:1

 Click on Insert, Select Pivot Table, Select New Worksheet, Click on OK.



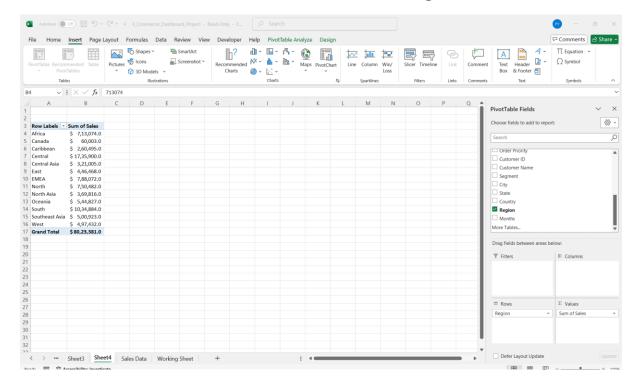
Step:2Choose Fields to add to report: Select Month, Sales, Profits in the Pivot table.



Task:2

Prepare the sales table region-wise in the working sheet
 Step:1

Select Pivot Table New Sheet, Choose, Region, Sales.



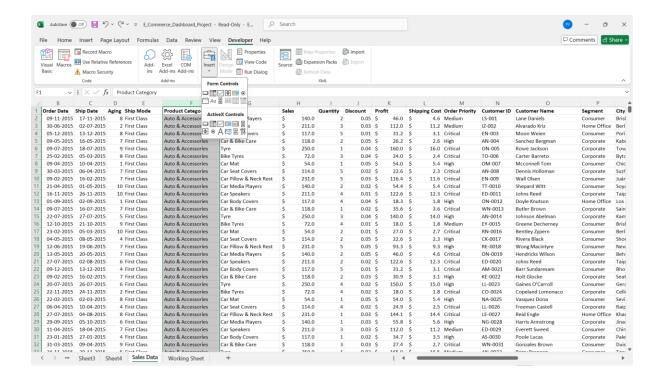
Task:3

• Create User Control Combo box for Product Category

Step:1

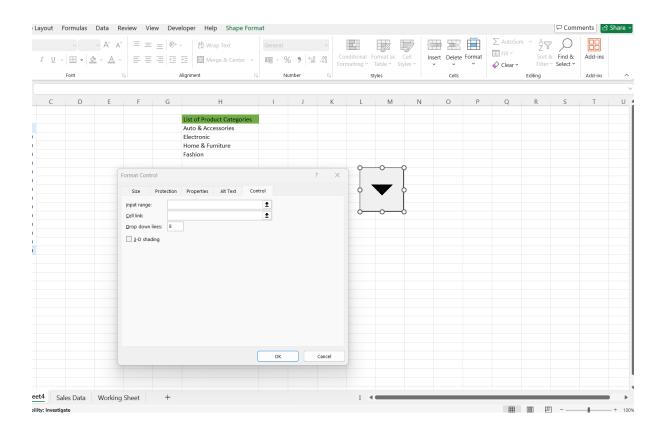
Select Product Category Column.

Click on Insert, Select Combo box option from Form Controls.



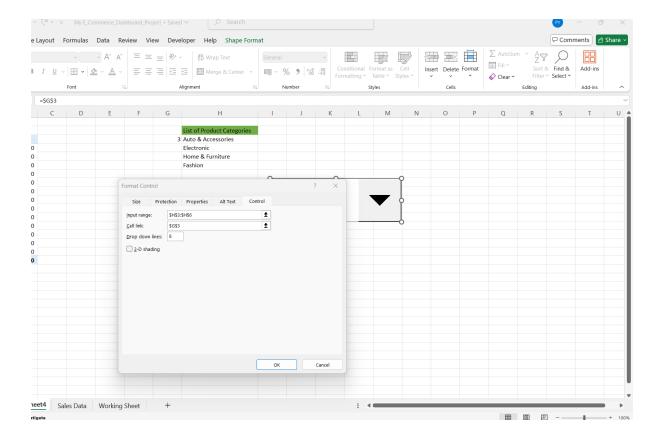
Step:2

List down the product categories
Click on Sheet, drop down option appears.
Right Click on it, Select format control option.
Put 1 in G column left side to Auto & Accessories.



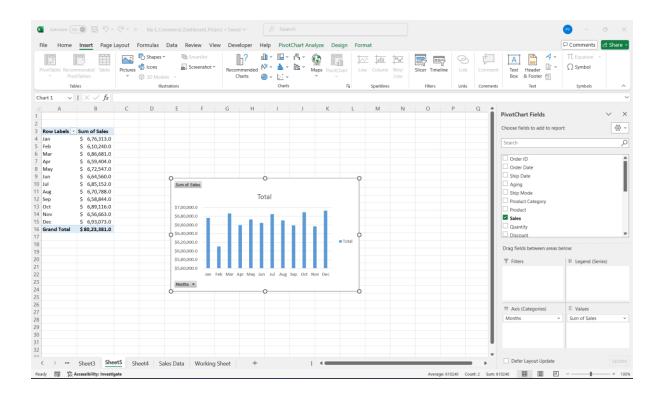
Step:3

In the Format Control Input range: Select product categories And cell link selects SN. Option:1 from sheet. Click on OK.

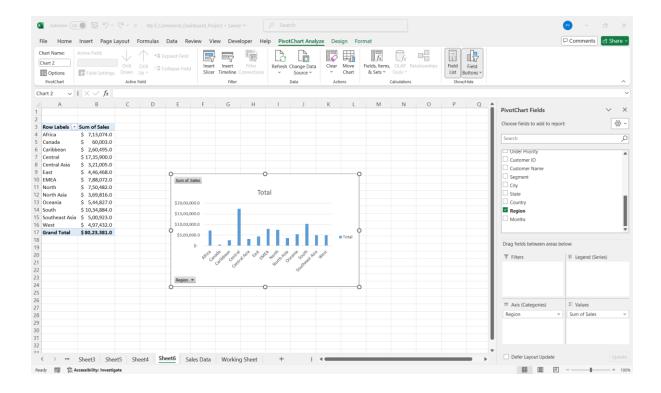


Task:4

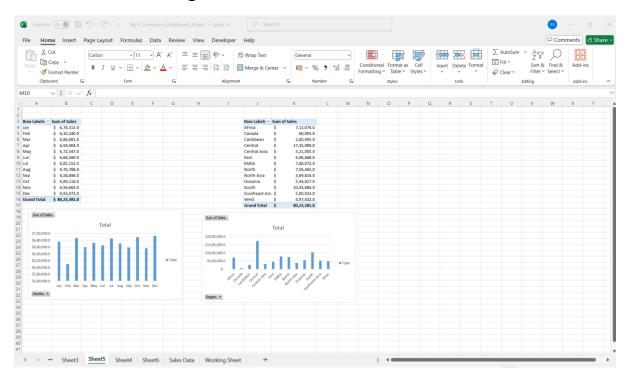
- Create a Column Chart of the month-wise table and region-wise table
- Step1: Create Pivot Table, Choose Region, Sales.
 Click on insert, Select Recommended charts, Choose clustered column option.



Step 2: Create Pivot Table, Choose Months, Sales.
 Click on insert, Select Recommended charts, Choose clustered column option.



We can do it in a single sheet as mentioned below also.

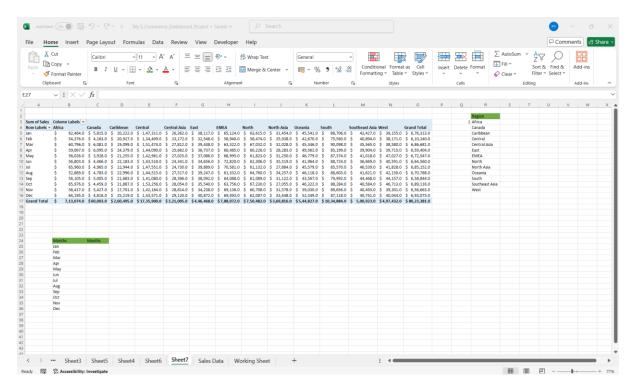


Task:5

Link the table with a combo box

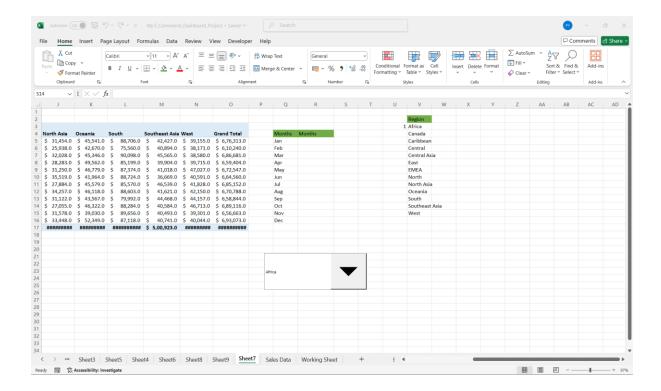
Step:1

- Create Pivot Table, Select Months, Region, Sales.
- Enter text Regions, give S.No.1
- Enter the text Months in table as mentioned below.



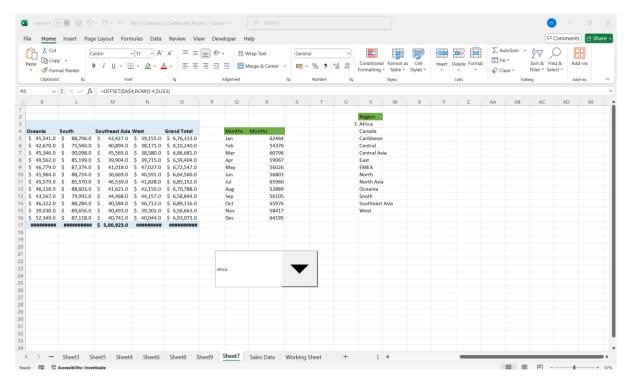
Step:2

- Select Region column, Select Developer, click on insert,
 Select Combo box from Form Control
- Right click on drop down, select form control, add region in input, number to cell as mentioned below.



Step 3:

Apply formula =OFFSET(A4,ROW()-4,U3)
 And the apply \$ with Fn&F4 for A4 & U3



Task:6 Create a dashboard

Steps:

Create Pivot table for product categories, regions with sum of sales. Prepare its chart.

- Copy pastes the charts of regions with sales, months with sales charts which is prepared earlier already.
- Now create Slicers for all the 3 charts by clicking on insert slicer option.
- Now do report connections for the 3 slicers by right click on slicer, select report connection option. Select pivot tables which need to connect interactions
- Dashboard is prepared as below.

