Project : -> Designing a Sales dashboard in Excel

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: The following project tasks are required to be performed in Excel:

Problem Statement: -

A company wishes to add user control for product categories for customers to choose a category and view the trend month by month and product by product. They will use Excel to analyse sales based on product categories and create a sales dashboard that breaks down sales by product category.

Variable-Description

- Order ID-Unique order ID of a product Gender
- 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

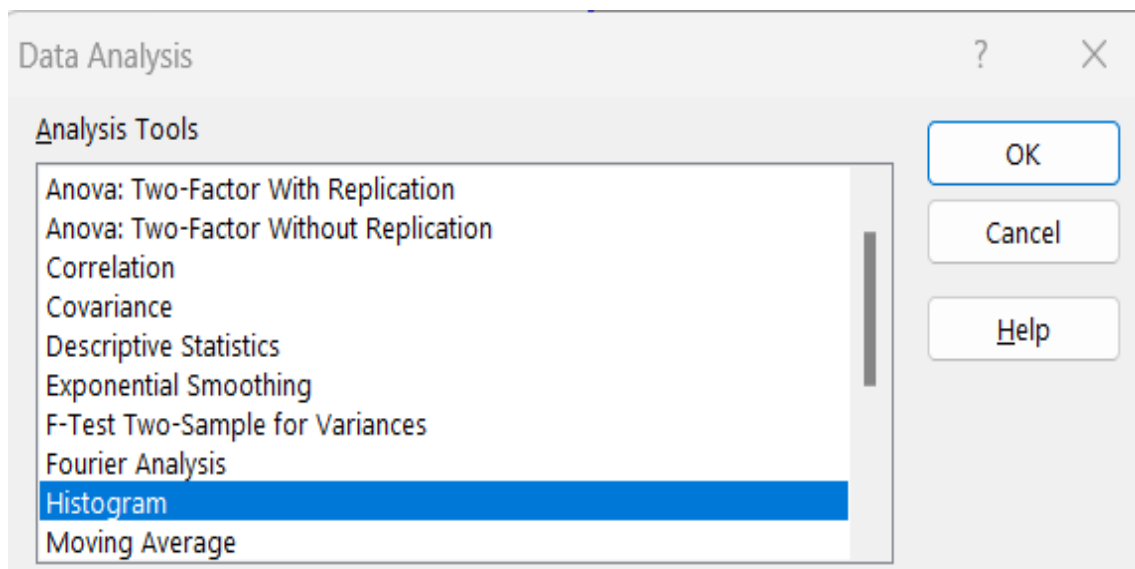# Task to be Perform on the dataset provided using Excel

1. Use the saved Sample E-Commerce database.

Analysis Task: - Creating Histogram

➢ First Create Bins according as shown.

Bins	Maximum of Each bin
0 - 1	1
0 - 5	5
6 - 9	9
>10	10

➢ Then go to data tab in that click on Data Analysis tab.
➢ Select Histogram Option from Data analysis option.

➢ Fill the information given

➢ Detail information of frequency in table form and Histogram will appear.

➢ Modify Histogram as per your need as shown below.

Maximum of Each bin	Frequency
1	7467
5	19646
9	19286
10	4891
More	0

2 Prepare a table of Sales and Profit month-wise in a working sheet.

➢ Prepare a table of moth wise sales and profit as sown and use give formula to get vales from data set in sales and profit column.

➢ Formula used to get the sum of sales month wise :-> [=SUMIFS('Sales Data'!$H:$H,'Sales Data'!$U:$U,'Workinging Sheet'!$B4,'Sales Data'!$F:$F,$R$3)]

➢ Formula used to get the sum of profit moth wise :-> [=SUMIFS('Sales Data'!$K:$K,'Sales Data'!$U:$U,'Workinging Sheet'!$B4,'Sales Data'!$F:$F,$R$3)]

Months Wise Sales And Profit Table		
Months	Sales	Profit
Jan	31,280	14,090
Feb	29,776	12,679
Mar	32,800	14,173
Apr	33,417	14,603
May	33,705	15,610
Jun	30,219	12,858
Jul	29,644	13,384
Aug	34,088	14,562
Sep	33,069	14,518
Oct	39,240	17,419
Nov	32,598	15,121
Dec	34,902	15,157
Grand Total	3,94,738	1,74,175

3. Prepare the sales table region-wise in the working sheet

➢ Similarly prepare table for Region-wise sales
➢ Use given formula to get values from sales data.
➢ [=SUMIFS('Sales Data'!$H:$H,'Sales Data'!$T:$T,'Workinging Sheet'!$F4,'Sales Data'!$F:$F,$R$3)]

Regions Wise Sale Table	
Regions	**Sales**
Africa	37,993.0
Canada	4,602.0
Caribbean	12,287.0
Central	82,750.0
Central Asia	11,573.0
East	23,353.0
EMEA	42,527.0
North	36,746.0
North Asia	16,230.0
Oceania	30,575.0
South	47,491.0
Southeast Asia	21,604.0
West	27,007.0
Grand Total	**3,94,738**

4. Create User Control Combo box for Product Category.

➢ First create product category list as shown.

List of Product Categories	
Auto & Accessories	4
Electronic	Home & Furniture
Fashion	
Home & Furniture	

➢ Insert combo box for the product category list in the dashboard sheet.

➢ Go to developer from that click on insert and select combo box.

Home & Furniture ▼

➢ Pass the input range and cell for the combo box

➢ Pass input range "Working!Q2:Q5" and cell link "Working!R2" from the working sheet

➢ Write the equal sign and then the function name

➢ Pass the first argument as Cell "$Q$1"

➢ In the second argument, select the cell "$R$2"

➢ In the third argument, type zero and close the parenthesis.

Format Control   ?   ✕

Size	Protection	Properties	Alt Text	Control

Input range: 'Workinging Sheet'!$Q$2:$Q$5   ⬆

Cell link: 'Workinging Sheet'!$R$2   ⬆

Drop down lines: 8

☐ 3-D shading

OK   Cancel
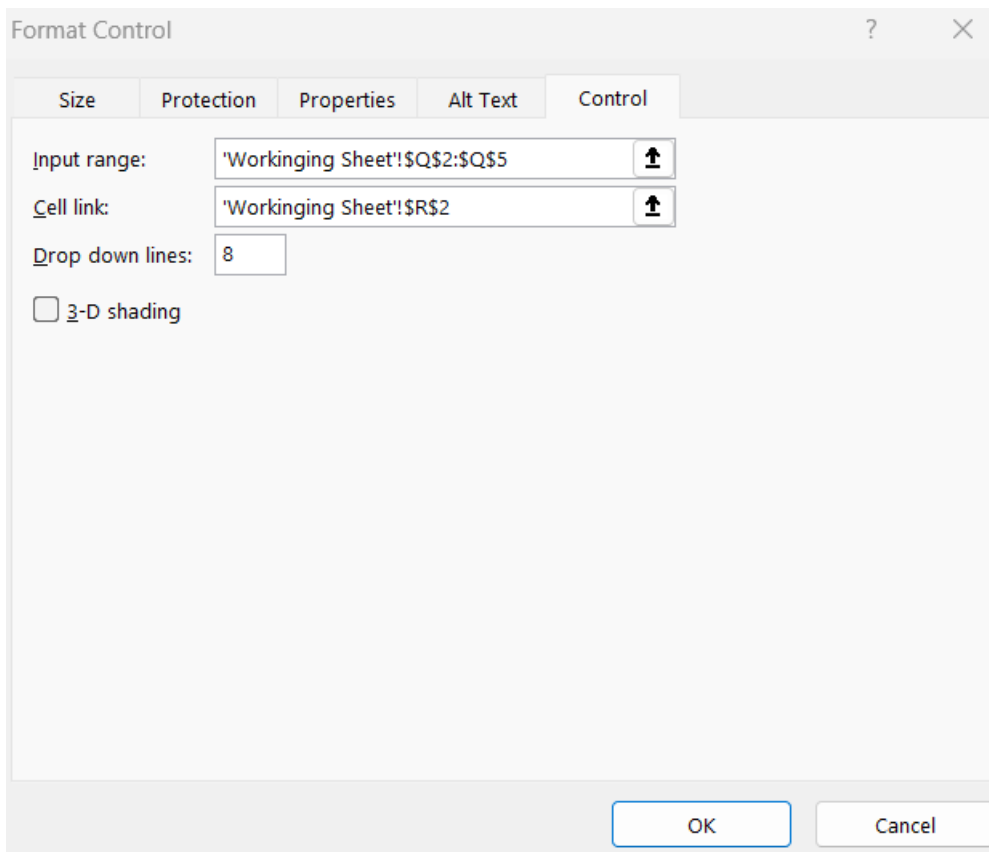
5. Create a Column Chart of the month-wise table and region-wise table.

➢ Now, create the column chart for both region wise and month wise tables

➢ Select table (B3:D15), click the insert tab, and then select Insert column chart under Charts Panel.
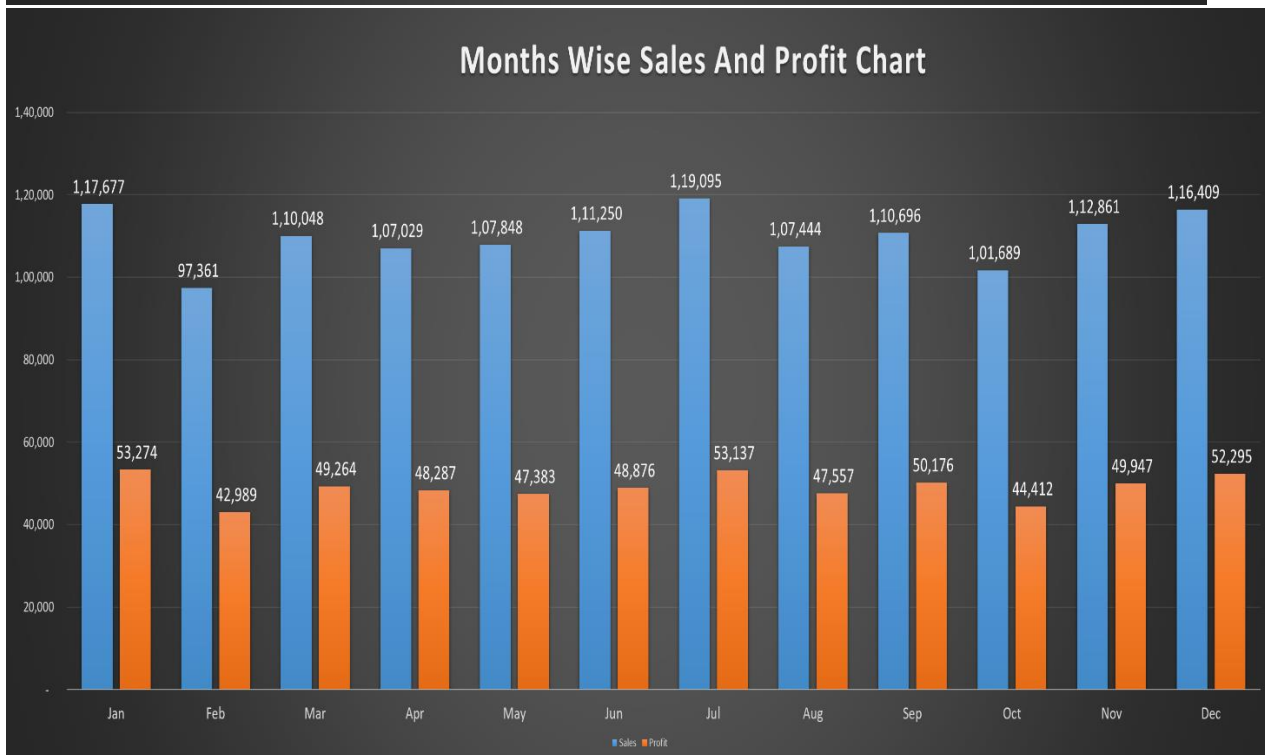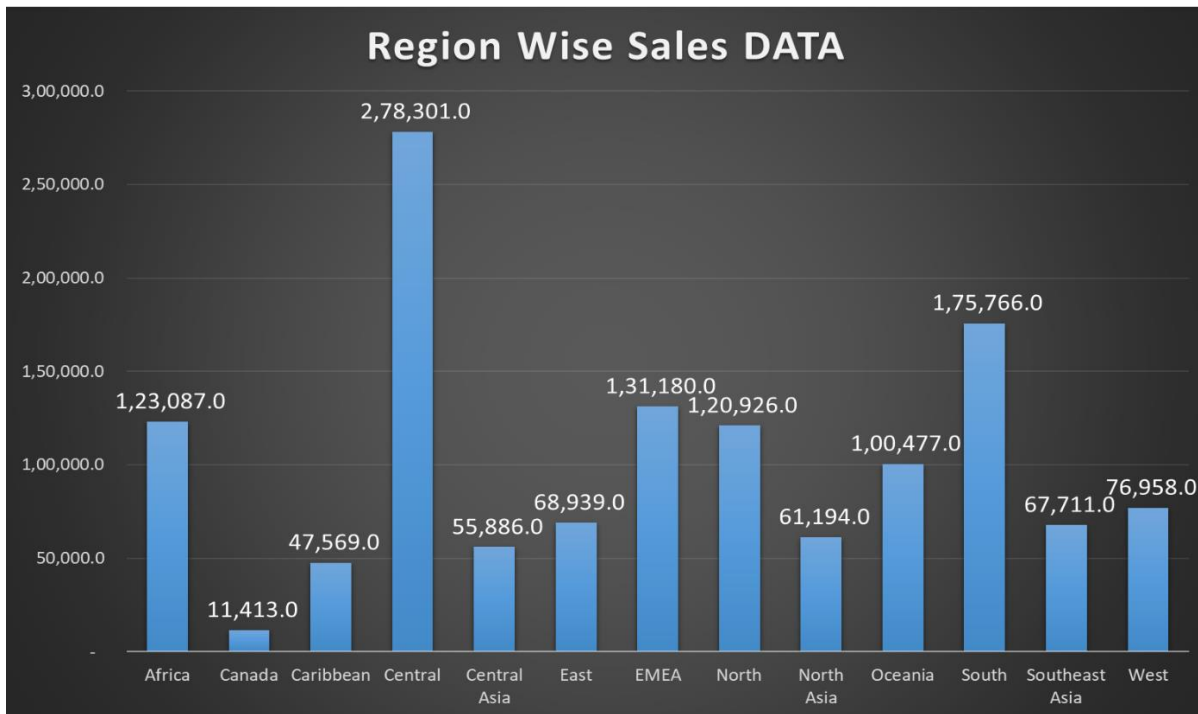
6.Link the table with a combo box

7. Create a dashboard.

➤ Use all the information that we gather to create Dashboard.