

Business Analytics With Excel

E-Commerce Sales Dashboard

E-Commerce Sales Dashboard -[Here](#)

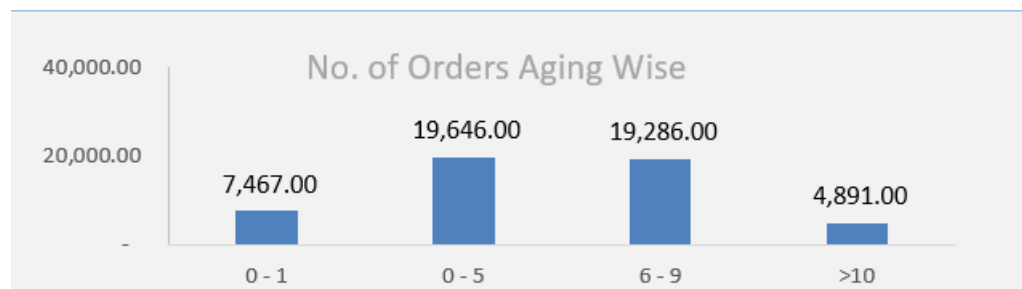
Analysis Tasks

- Use the Saved Sample – E-Commerce database.
- Create a histogram to analyze a number of shipping days.

To create a histogram, click the Data Tab, Under Analysis Group (Right Corner), Click Data Analysis. Now, select Histogram and click ok. A histogram dialog box will appear.

In the histogram dialog box, first, click the Label's Checkbox as we have labels in our data. After that, In the **Input reference box** select the range (“**Sales Data!D1: D51291**”) of our data and in the **Bin Range Reference box** select (“**Working!K3: K7**”). In the **output section**, select range “**Working!N3**” for a binning table, click Histogram checkbox and then ok.

Created Histogram Using Above mentioned Steps below :



- Prepare a table of Sales and Profit month-wise in one sheet, named it as ‘Working Sheet’.

Table is linked with comb box and extracted the data using SUMIFS() function.

Code Used :

- Sales = SUMIFS('Sales Data'!\$H\$2:\$H\$51291,'Sales Data'!\$U\$2:\$U\$51291,Working!B11,'Sales Data'!\$F\$2:\$F\$51291,Working!\$R\$3)
- Profit = SUMIFS('Sales Data'!\$K\$2:\$K\$51291,'Sales Data'!\$U\$2:\$U\$51291,Working!B11,'Sales Data'!\$F\$2:\$F\$51291,Working!\$R\$3)

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Month	Sales	Profit
Jan	\$ 1,17,677	\$ 53,274
Feb	\$ 97,361	\$ 42,989
Mar	\$ 1,10,048	\$ 49,264
Apr	\$ 1,07,029	\$ 48,287
May	\$ 1,07,848	\$ 47,383
Jun	\$ 1,11,250	\$ 48,876
Jul	\$ 1,19,095	\$ 53,137
Aug	\$ 1,07,444	\$ 47,557
Sep	\$ 1,10,696	\$ 50,176
Oct	\$ 1,01,689	\$ 44,412
Nov	\$ 1,12,861	\$ 49,947
Dec	\$ 1,16,409	\$ 52,295
Grand Total	\$ 13,19,407	\$ 5,87,598

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

Table is linked with comb box and extracted the data using SUMIFS() function.

Code Used :

- Sales = SUMIFS('Sales Data'!\$H\$2:\$H\$51291,'Sales Data'!\$T\$2:\$T\$51291,Working!G11,'Sales Data'!\$F\$2:\$F\$51291,Working!\$R\$3)

Region	Sales
Africa	₹ 1,23,087
Canada	₹ 11,413
Caribbean	₹ 47,569
Central	₹ 2,78,301
Central Asia	₹ 55,886
East	₹ 68,939
EMEA	₹ 1,31,180
North	₹ 1,20,926
North Asia	₹ 61,194
Oceania	₹ 1,00,477
South	₹ 1,75,766
Southeast Asia	₹ 67,711
West	₹ 76,958
Grand Total	₹ 13,19,407

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- Create a User Control Combo box for Product Category.

Product Category	
Auto & Accessories	3
Electronic	Home & Furniture
Home & Furniture	
Fashion	

Home & Furniture	▼
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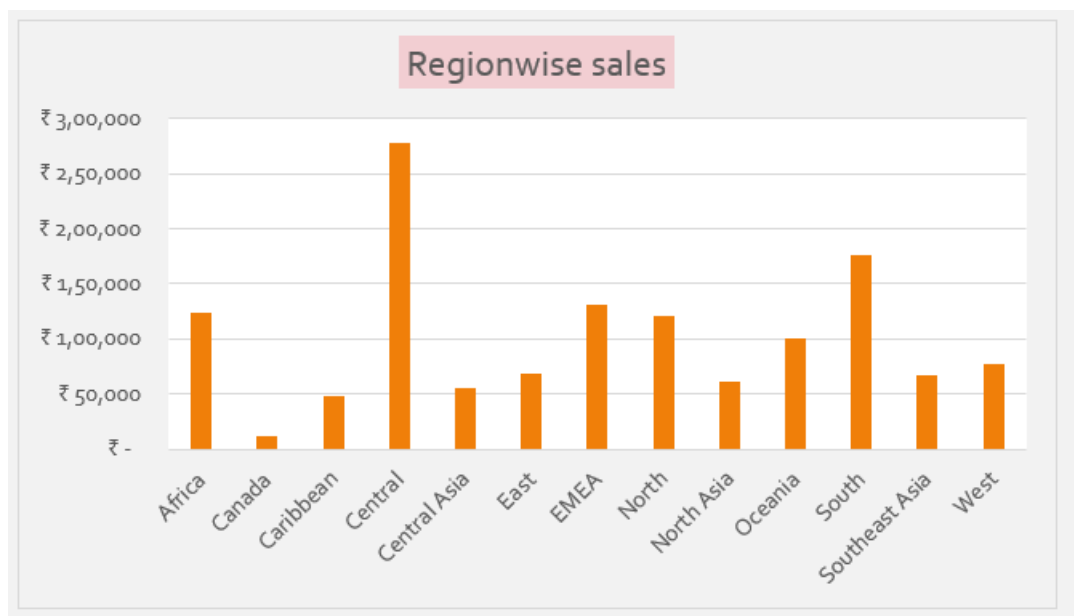
Code Used :

- Electronic Box Shown above values gets populated accordingly as 1,2,3,4 respectively from various categories as shown above = INDEX(Q2:Q5,R2)
- Create Column Chart of a month-wise table and region-wise table

Steps Followed :

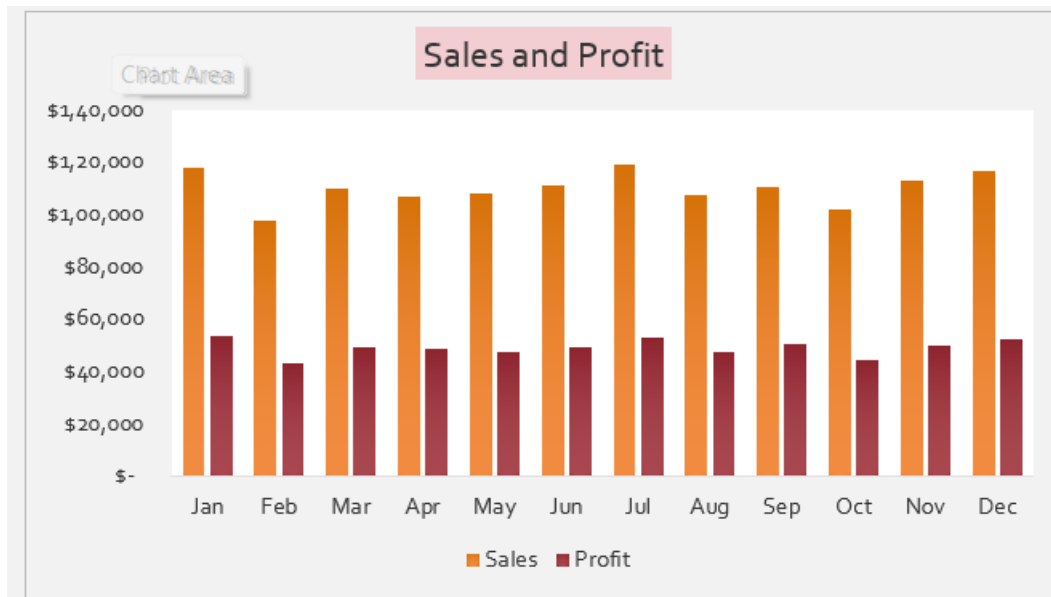
Select the column pertaining to month wise sales and profit and region wise sales and then click on Insert -> Data -> Chart and click on clustered 2D Chart to get output as below.

Next Right Click on Chart and format it as per requirements by clicking format fields and axis



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- Link the table with combo box.

Code Used : Using SUMIFS function and pulling data from sales table

Sales Box Value = Working!C23

Quantity Box Value = SUMIFS('Sales Data'!\$I\$2:\$I\$51291,'Sales Data'!\$F\$2:\$F\$51291,Working!\$R\$3)

Profit Box Value = =Working!D23

- Create a dashboard.

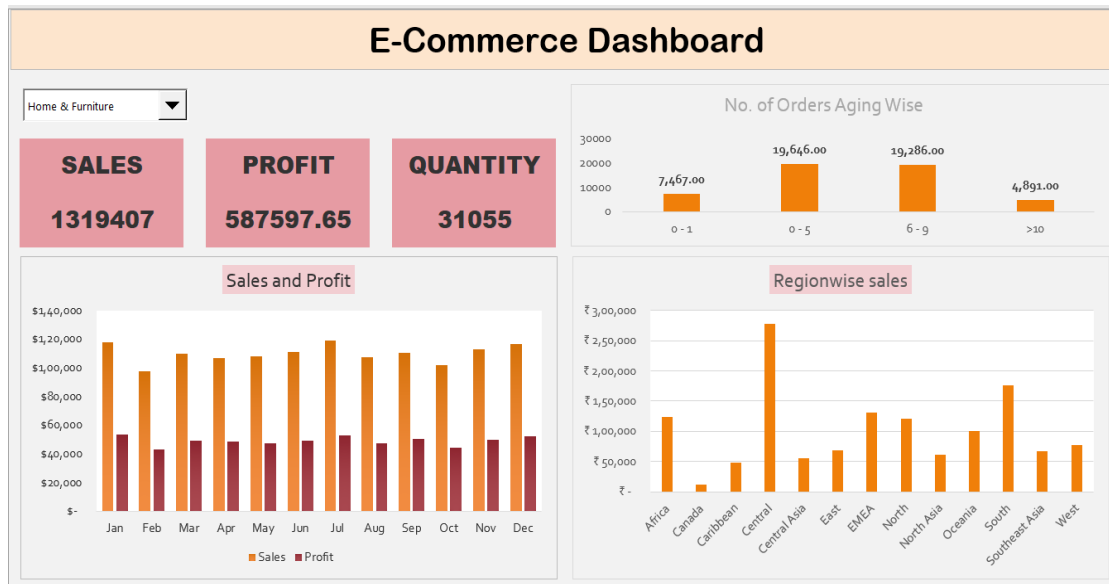
Created as per requirements meticulously designed and it matches with the sample output.

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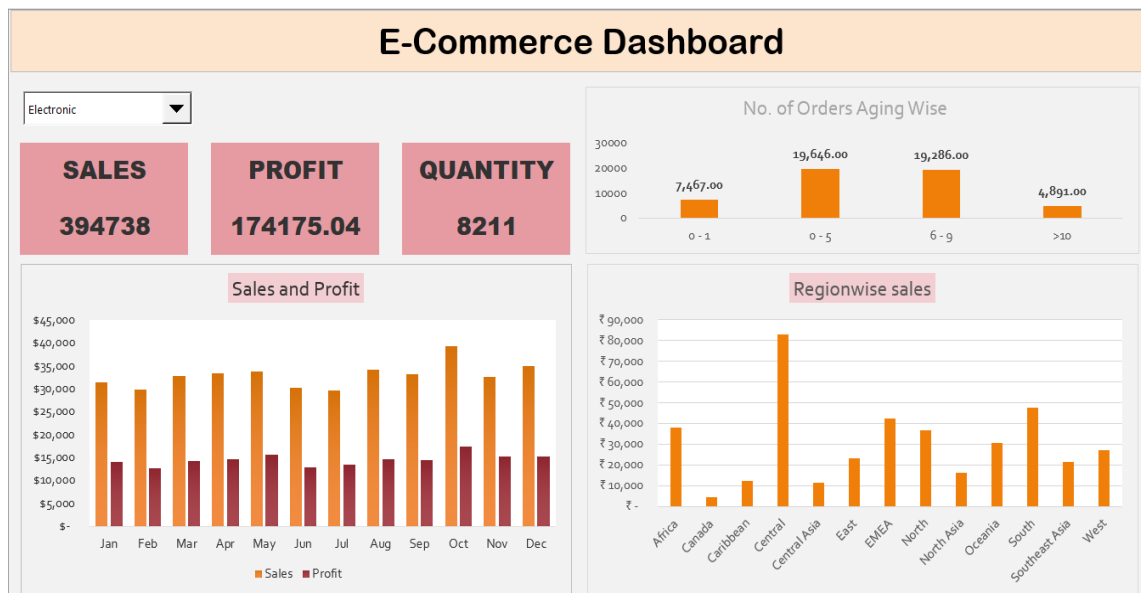
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Created As shown Below :

Home & Furniture



Electronics



Fashion

