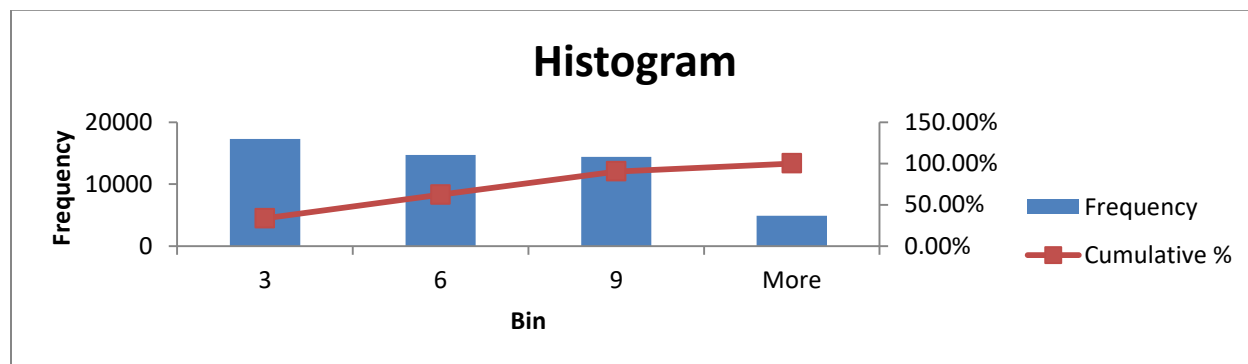


A Sales dashboard in Excel

Product Age within Company Show via Histogram:

Product Age wise Bin	
<3	3
3-6	6
6-9	9
>9	

Bin	Frequency	Cumulative %
3	17299	33.73%
6	14706	62.40%
9	14394	90.46%
More	4891	100.00%



Month Wise Data for Sale & Profit Separately with Column Graphs with Combo Box Shown Below:

Combo Box 1



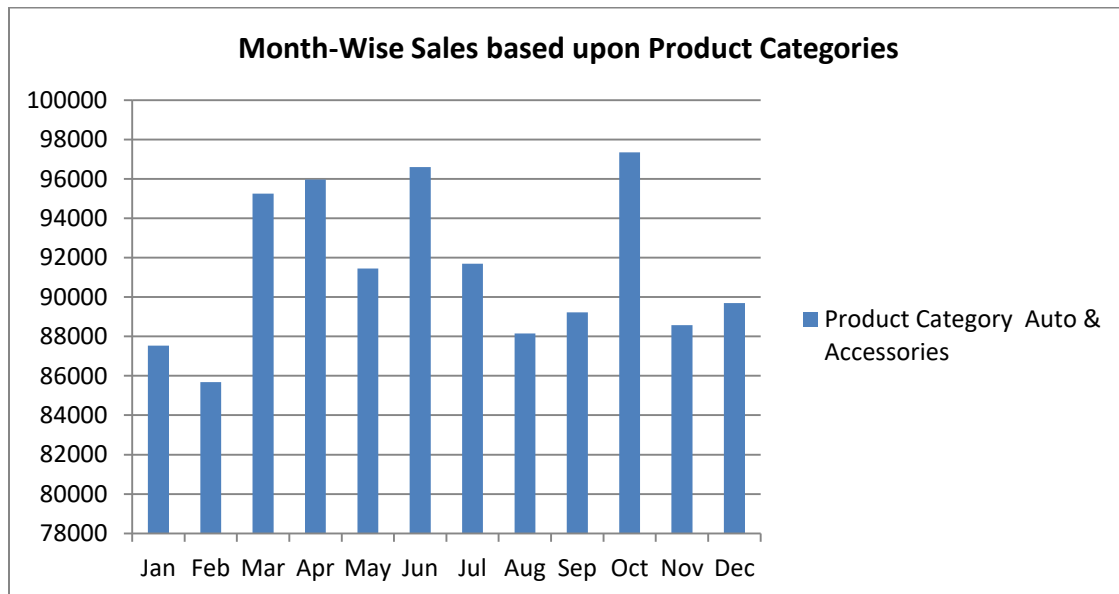
Product Categories	
Auto & Accessories	0
Electronics	Auto & Accessories
Fashion	
Home & Furniture	

Month - Wise Sales

Sum of Sales	Product categories			
Months	Auto & Accessories	Electronic	Fashion	Home & Furniture
Jan	87526	31280	439830	117677
Feb	85683	29776	397420	97361
Mar	95249	32800	448584	110048
Apr	95962	33417	422996	107029
May	91445	33705	439549	107848
Jun	96597	30219	426494	111250
Jul	91690	29644	444723	119095
Aug	88153	34088	441103	107444
Sep	89216	33069	425863	110696
Oct	97347	39240	450840	101689
Nov	88575	32598	422629	112861
Dec	89696	34902	452066	116409

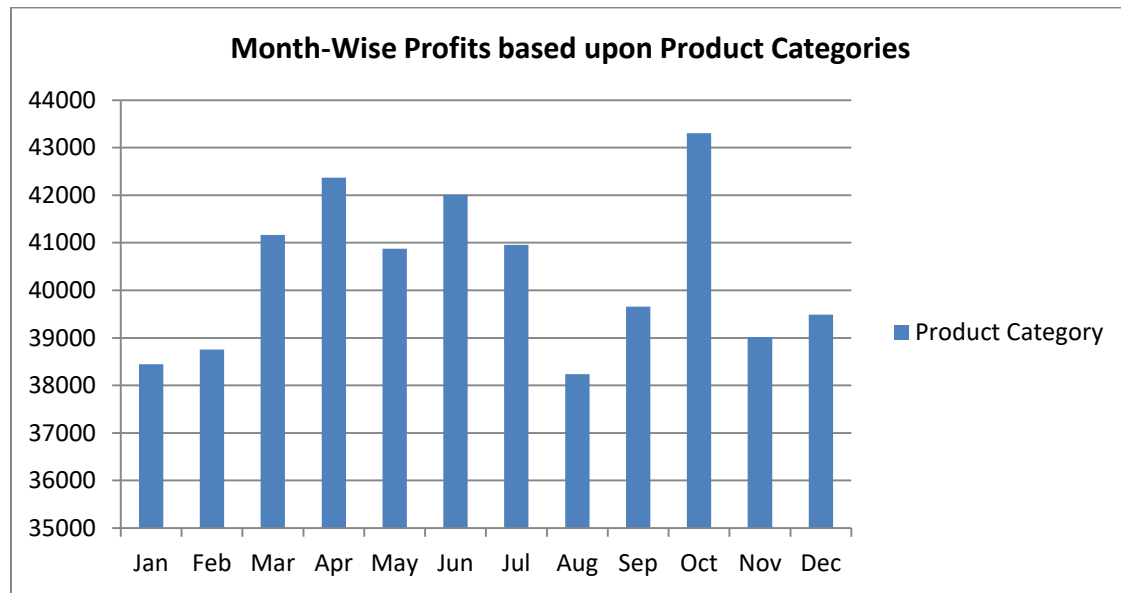
Month-Wise Sales based upon Product Categories

Months	Product Category
	Auto & Accessories
Jan	87526
Feb	85683
Mar	95249
Apr	95962
May	91445
Jun	96597
Jul	91690
Aug	88153
Sep	89216
Oct	97347
Nov	88575
Dec	89696



Month - Wise Profits

Sum of Profit	Column Labels			
Row Labels	Auto & Accessories	Electronic	Fashion	Home & Furniture
Jan	38447	14090	207755	53274
Feb	38753	12679	191681	42989
Mar	41165	14173	212583	49264
Apr	42366	14603	203108	48287
May	40872	15610	209886	47383
Jun	42010	12858	203841	48876
Jul	40959	13384	211223	53137
Aug	38238	14562	210086	47557
Sep	39656	14518	200985	50176
Oct	43305	17419	215612	44412
Nov	39016	15121	200632	49947
Dec	39490	15157	216460	52295




**Month-Wise Profits based
upon Product Categories**

Month	Product Category
	Auto & Accessories
Jan	38447
Feb	38753
Mar	41165
Apr	42366
May	40872
Jun	42010
Jul	40959
Aug	38238
Sep	39656
Oct	43305
Nov	39016
Dec	39490

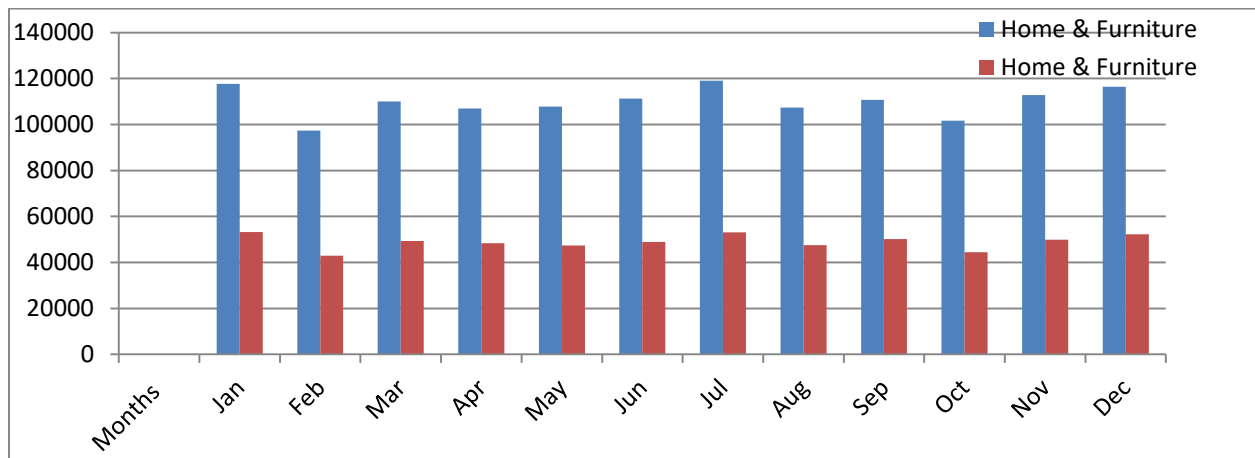
**Month Wise Data for Sales and Profits Jointly & Region Wise Sales
Data With Combo Box Shown Below:**

Combo Box 2

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

Month Wise Sales And Profit Data Based upon Product Categories

	Home & Furniture	Home & Furniture
Months	Sum of Sales	Sum Of Profit
Jan	117677	53274
Feb	97361	42989
Mar	110048	49264
Apr	107029	48287
May	107848	47383
Jun	111250	48876
Jul	119095	53137
Aug	107444	47557
Sep	110696	50176
Oct	101689	44412
Nov	112861	49947
Dec	116409	52295



Region-Wise Sales Table

Sum of Sales Region	Column Labels			
	Auto & Accessories	Electronic	Fashion	Home & Furniture
Africa	102156	37993	449838	123087
Canada	10382	4602	33606	11413
Caribbean	32493	12287	168146	47569
Central	227929	82750	1146920	278301
Central Asia	35956	11573	217590	55886
East	72321	23353	281855	68939
EMEA	102947	42527	511418	131180
North	100025	36746	492785	120926
North Asia	56978	16230	235414	61194
Oceania	66631	30575	347144	100477
South	139614	47491	672013	175766
Southeast Asia	74598	21604	337010	67711
West	75109	27007	318358	76958



Region-Wise Sales Table

Region	Home & Furniture
Africa	123087
Canada	11413
Caribbean	47569
Central	278301
Central Asia	55886
East	68939
EMEA	131180
North	120926
North Asia	61194
Oceania	100477
South	175766
Southeast Asia	67711
West	76958

Step 1 : **Check All Duplicates** : No Duplicates were available in the given Dataset.

Step 2: **Checked all Blank Space**: No Blank Spaces were available in given Dataset.

Step3: Created a **Histogram** with Data Analysis tool under Data Tab Based upon Aging of the respective product.

Step 4: We have created a pivot table where Month wise sales data which is divided into categories is displayed Using **Pivot Table** under the insert Tab.

Step 5: We have created a pivot table where Month wise profit data which is divided into categories is displayed Using Pivot Table under the insert Tab.

Step 6: We have created a **combo box** based upon product categories from given dataset under developer tab and added different categories to combo box drop down list.

Step 7: Connected Month wise sales data and Month wise profit data with the combo box separately.

Step 8: Created Column chart with the acquired data which changes with combo box selected category for Month wise Sales Data & Month wise Profit Data using **OFFSET** formula.

"=OFFSET(\$B\$27,ROW()-27,\$L\$26)" Where B27 is Reference Cell, Data Starts from 27th Row of Excel sheet, L26 Combo Box Column where Index number of Category was mentioned for sales Data.

"=OFFSET(\$B\$43,ROW()-43,\$L\$26)" Where B43 is Reference Cell, Data Starts from 43rd Row of Excel sheet, L26 Combo Box Column where Index number of Category was mentioned for Profit Data.

Step 9: Created another “**Combo Box 2**” for Joint representation of Category wise Sales and Profit table and Region wise Sales table.

Step 10: Combo Box 2 is also based upon Categories Auto accessories, Electronic, Fashion, Home & Furniture.

Step 11: Created Table for sales which is linked with Combo box 2 using **Sumifs** Formula and created Column Charts for the Same as given in the task.

“=SUMIFS('Sales Data'!\$H\$1:\$H\$51291,'Sales Data'!\$U\$1:\$U\$51291,A67,'Sales Data'!\$F\$1:\$F\$51291,Working_Sheet!\$F\$108)” Where Sales Data is given Dataset, Working Sheet is sheet developed by me for analysis F108 is Combo box reference & A 67 is Table reference For Sales Sum based upon Product Category and Month criterions.

“=SUMIFS('Sales Data'!\$K\$1:\$K\$51291,'Sales Data'!\$U\$1:\$U\$51291,Working_Sheet!A67,'Sales Data'!\$F\$1:\$F\$51291,Working_Sheet!\$F\$108)” Where Sales Data is given Dataset, Working Sheet is sheet developed by me for analysis F108 is Combo box reference & A 67 is Table reference For profits Sum based upon Product Category and Month criterions.

Step 12: Created a Pivot Table Region Wise Sales Data where Sales are divided into categories.

Step 13: Created a table which is linked **with Combo box using OFFSET** formula and created column chart for the same.

=OFFSET(\$B\$87,ROW()-87,\$F\$107) where f107 is **combo box 2** reference.

Step 14: Created a Dynamic Dashboard.

Screenshot of excel Sheet :

