

A Major Project on Designing A Sales Dashboard in Excel



Submitted By – Chaitrali Vishal Bhusare

Under The Guidance– Simplilearn

Prepare a table of Sales and Profit month-wise in a working sheet (With the help of Pivot table)

Product Category

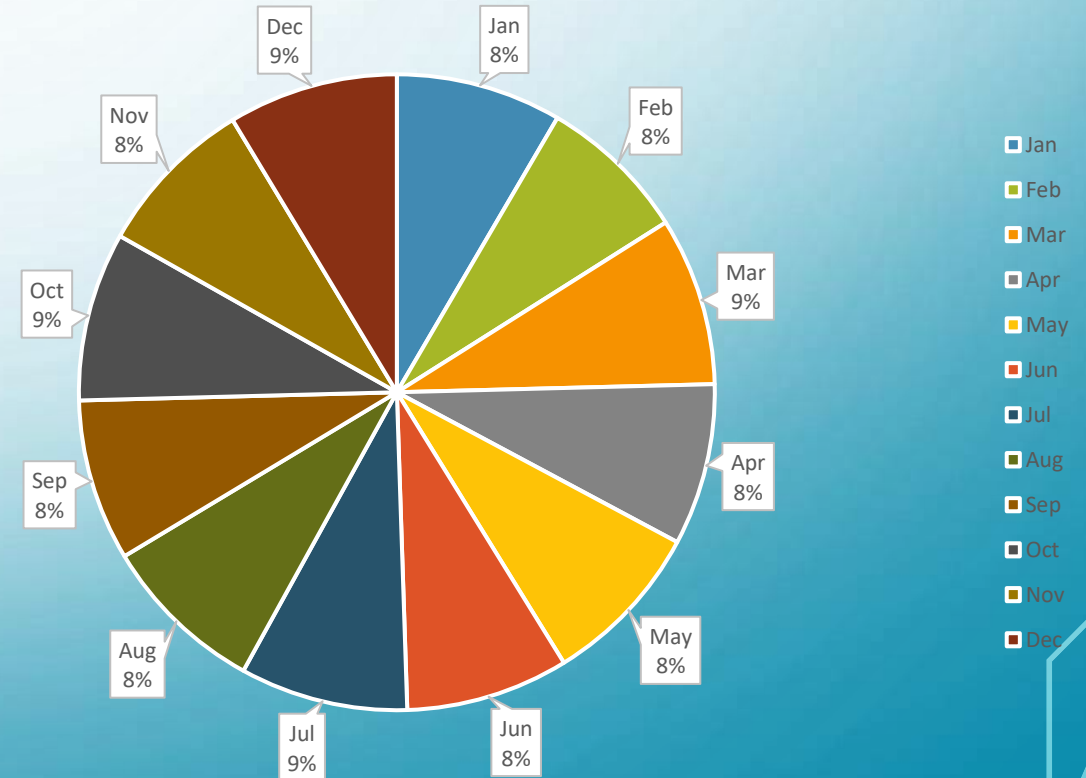
Auto & Accessories

Electronic

Fashion

Home & Furniture

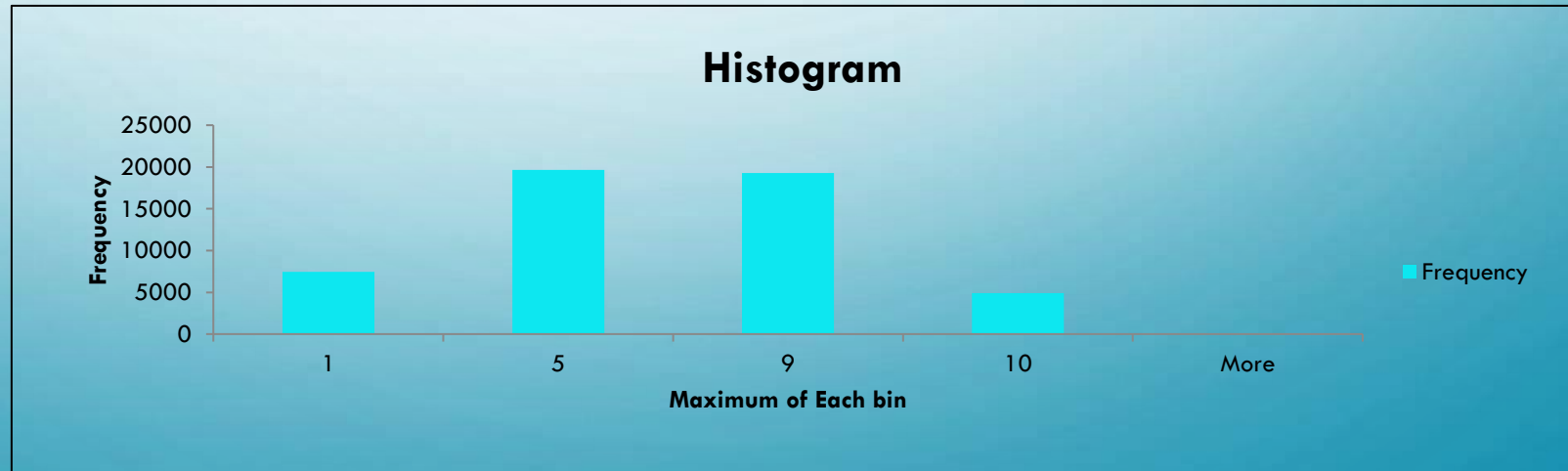
Product Category (Multiple Items)		
Row Labels	Sum of Sales	Sum of Profit
Jan	676313	313566.3467
Feb	610240	286102.6233
Mar	686681	317186.0067
Apr	659404	308364.5133
May	672547	313751.2467
Jun	664560	307585.0233
Jul	685152	318703.2
Aug	670788	310442.8433
Sep	658844	305334.4567
Oct	689116	320748.67
Nov	656663	304716.1
Dec	693073	323401.92
Grand Total	8023381	3729902.95



Histogram

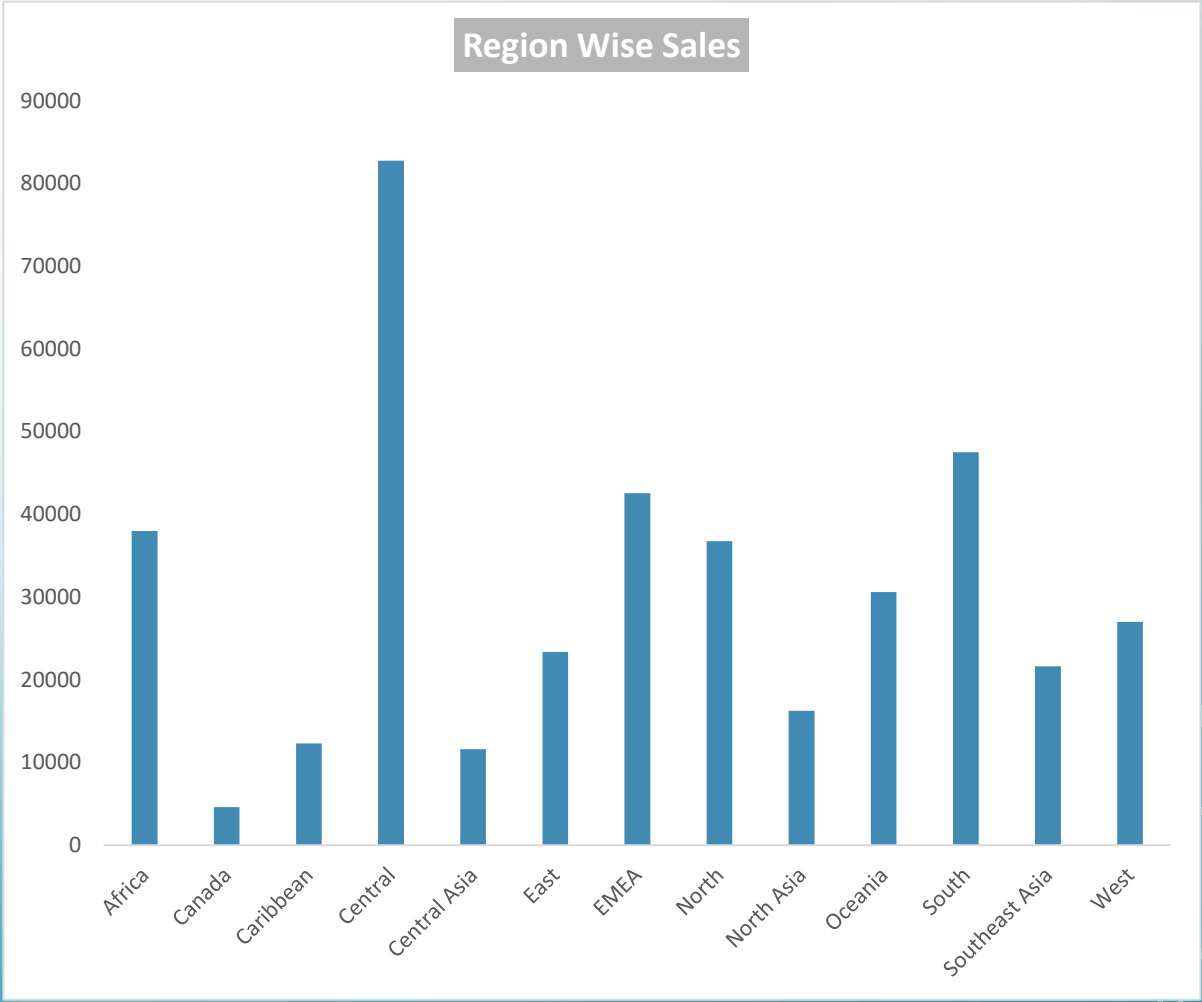
Bins	Maximum of Each bin
0 - 1	1
0 - 5	5
6 - 9	9
>10	10

Maximum of Each bin	Frequency
1	7467
5	19646
9	19285
10	4891
More	0



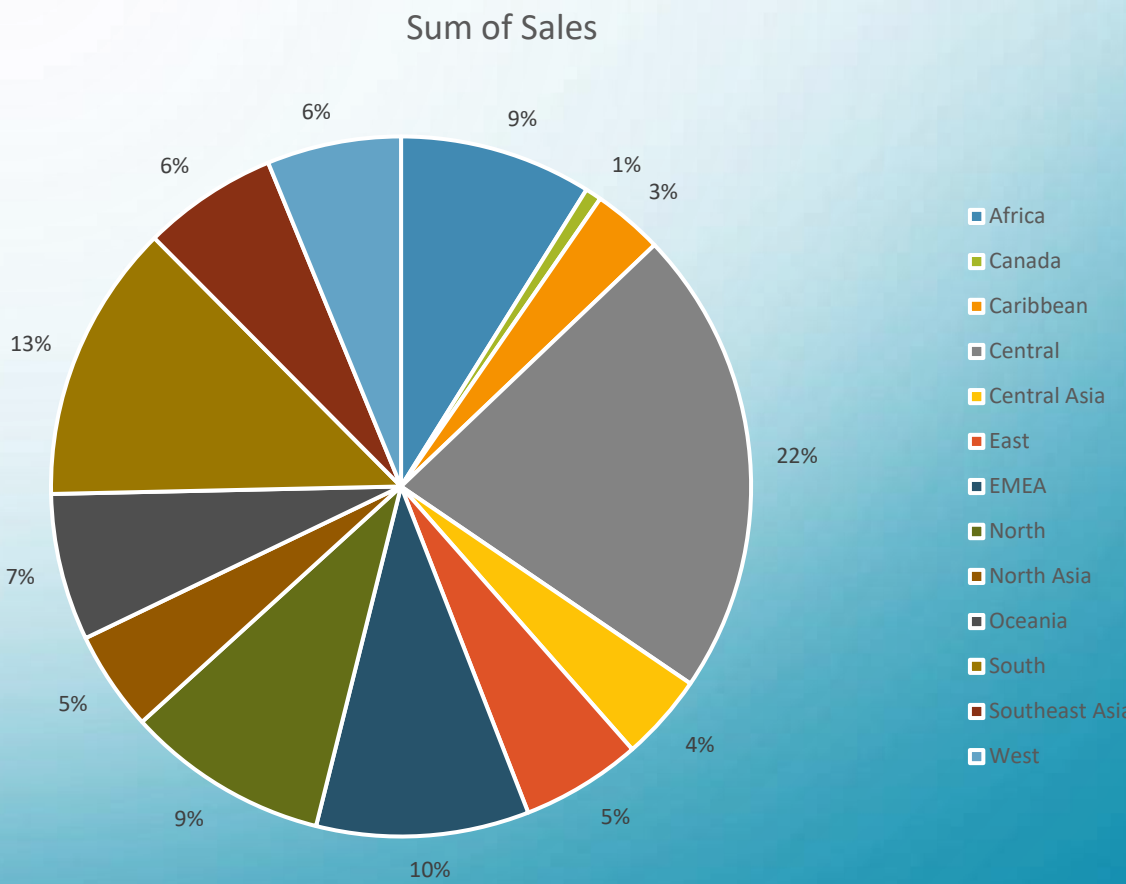
Prepare the sales table region-wise in the working sheet (With the help of formula)

Sales table Region wise	
Region	Sales
Africa	37993
Canada	4602
Caribbean	12287
Central	82750
Central Asia	11573
East	23353
EMEA	42527
North	36746
North Asia	16230
Oceania	30575
South	47491
Southeast Asia	21604
West	27007



Prepare the sales table region-wise in the working sheet (With the help of Pivot table)

Product Category (Multiple Items)		
Row Labels	Sum of Sales	Sum of Profit
Africa	713074	332206.8267
Canada	60003	27782.30667
Caribbean	260495	120602.6967
Central	1735900	804172.61
Central Asia	321005	149526.0267
East	446468	206683.0267
EMEA	788072	368553.72
North	750482	349285.21
North Asia	369816	170911.3567
Oceania	544827	253680.8133
South	1034884	479146.82
Southeast Asia	500923	235587.8467
West	497432	231763.69
Grand Total	8023381	3729902.95



Create User Control Combo box for Product Category

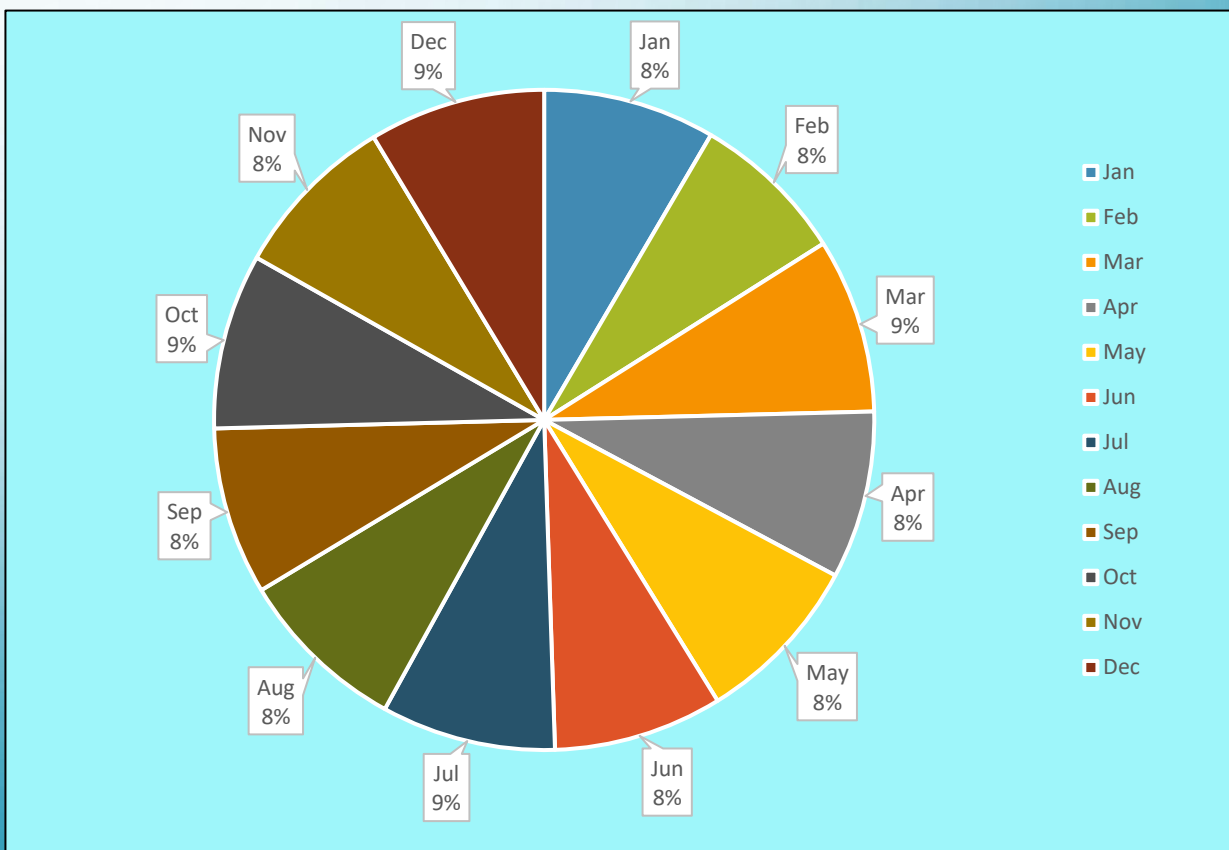
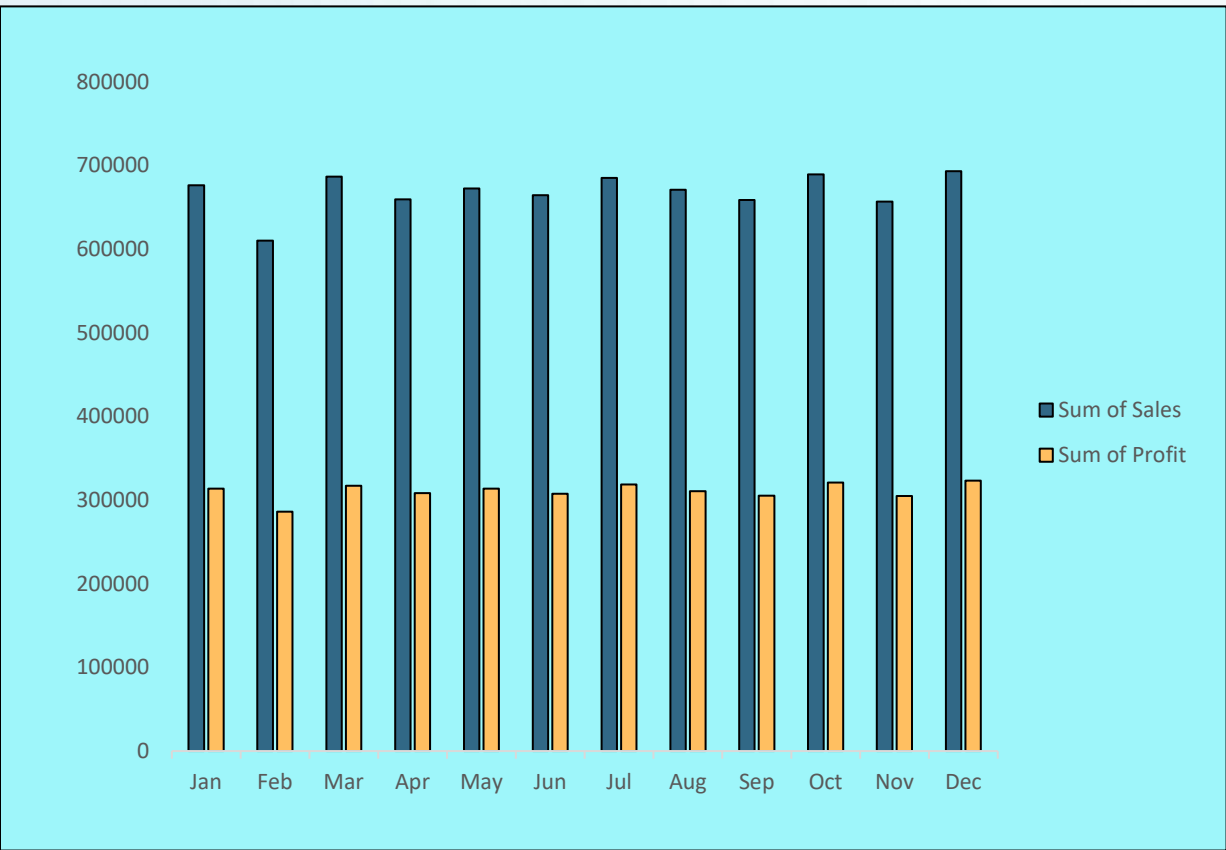
List of Product Categories	Total Sales according to Product Categories	
Auto & Accessories	4	Sr. No
Electronic	Fashion	Product Categories
Home & Furniture	5212097	Total Sales
Fashion		

Auto & Accessories	0
Electronic	Home & Furniture
Home & Furniture	
Fashion	

Control Combo box				
Product Category	Month	Region	Sales	Profit
Home & Furniture	Nov	North Asia	6591	3019.61

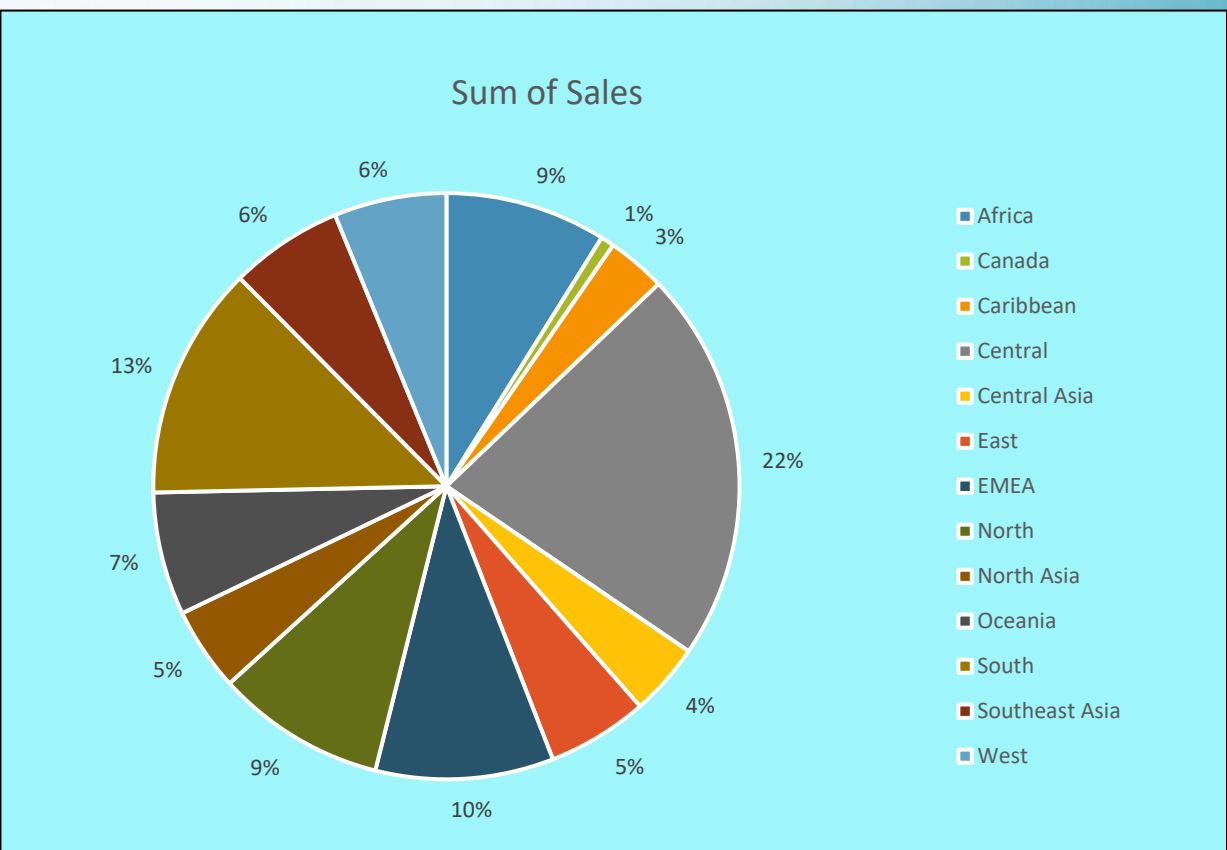
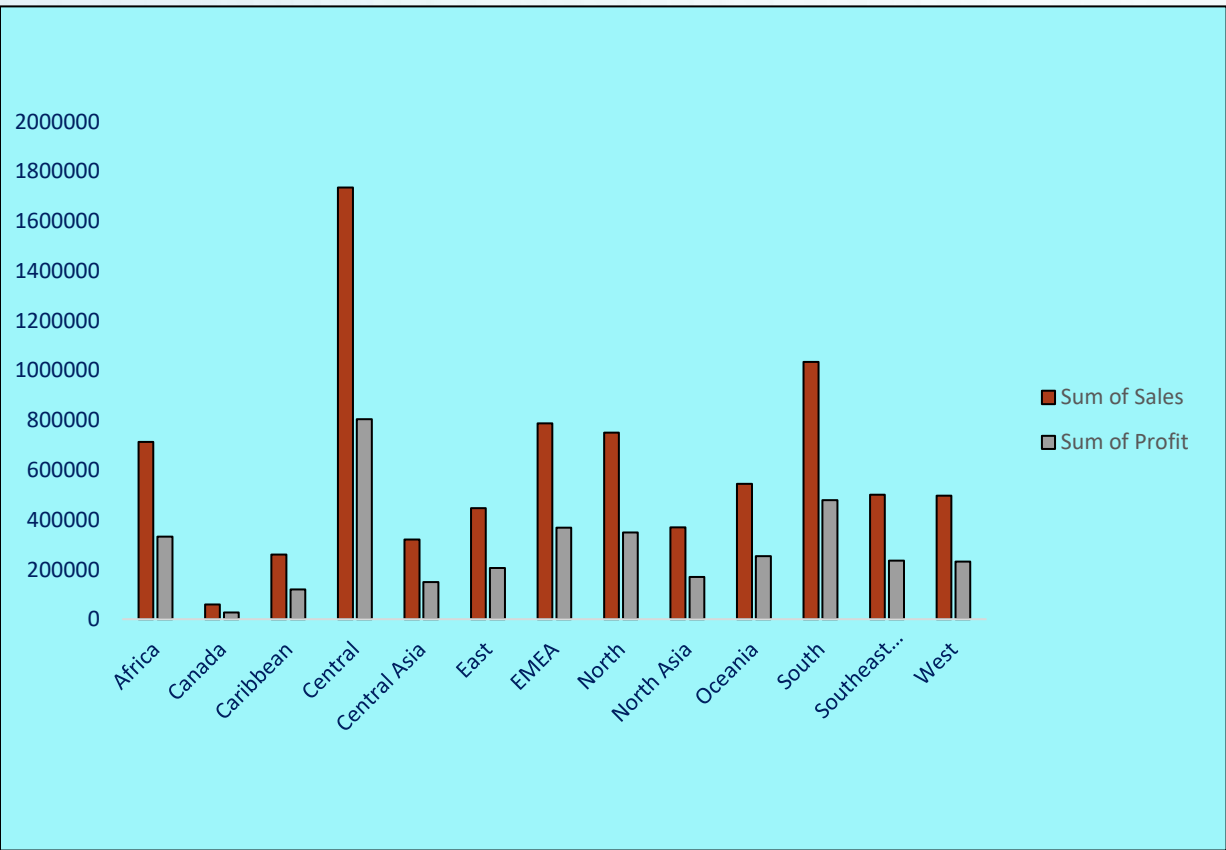
Sales Dashboard For Product Categories

Sales and Profit Table Month Wise



Sales Dashboard For Product Categories

Sales and Profit Table Region Wise



Predicted Values

Date	Forecast	Linear	F.ETS
01-01-2016	22139.85358	22139.85358	22726.86332
02-01-2016	22136.86447	22136.86447	22727.664
03-01-2016	22121.89618	22121.89618	21953.37895
04-01-2016	22099.60738	22099.60738	22728.07722
05-01-2016	22102.85025	22102.85025	22728.70547
06-01-2016	22086.77959	22086.77959	22728.45343
07-01-2016	22086.97305	22086.97305	22728.8504
08-01-2016	22067.76864	22067.76864	22728.02222
09-01-2016	22059.48396	22059.48396	22727.67314
10-01-2016	22059.23954	22059.23954	22727.82551
11-01-2016	22049.20674	22049.20674	22727.13698
12-01-2016	22058.53389	22058.53389	22728.09396
13-01-2016	22081.93854	22081.93854	22730.58553
14-01-2016	22072.48668	22072.48668	22729.89045
15-01-2016	22069.39457	22069.39457	22729.78441
16-01-2016	22074.68902	22074.68902	22730.64634
17-01-2016	22068.2401	22068.2401	22730.07532
18-01-2016	22076.89631	22076.89631	22731.44843
19-01-2016	22083.68789	22083.68789	22732.66891
20-01-2016	22093.94878	22093.94878	22734.48803
21-01-2016	22082.68553	22082.68553	22733.10329
22-01-2016	22082.03086	22082.03086	22733.28132
23-01-2016	22097.88144	22097.88144	22736.21777
24-01-2016	22087.85936	22087.85936	22734.83738
25-01-2016	22109.88706	22109.88706	22739.11997
26-01-2016	22145.50313	22145.50313	22746.2086
27-01-2016	22169.65588	22169.65588	22751.50475
28-01-2016	22159.12899	22159.12899	22750.16051
29-01-2016	22155.87379	22155.87379	22750.17641

800000

700000

600000

500000

400000

300000

200000

100000

0

-100000

-200000

Predicted Values

Predicted Values Forecast

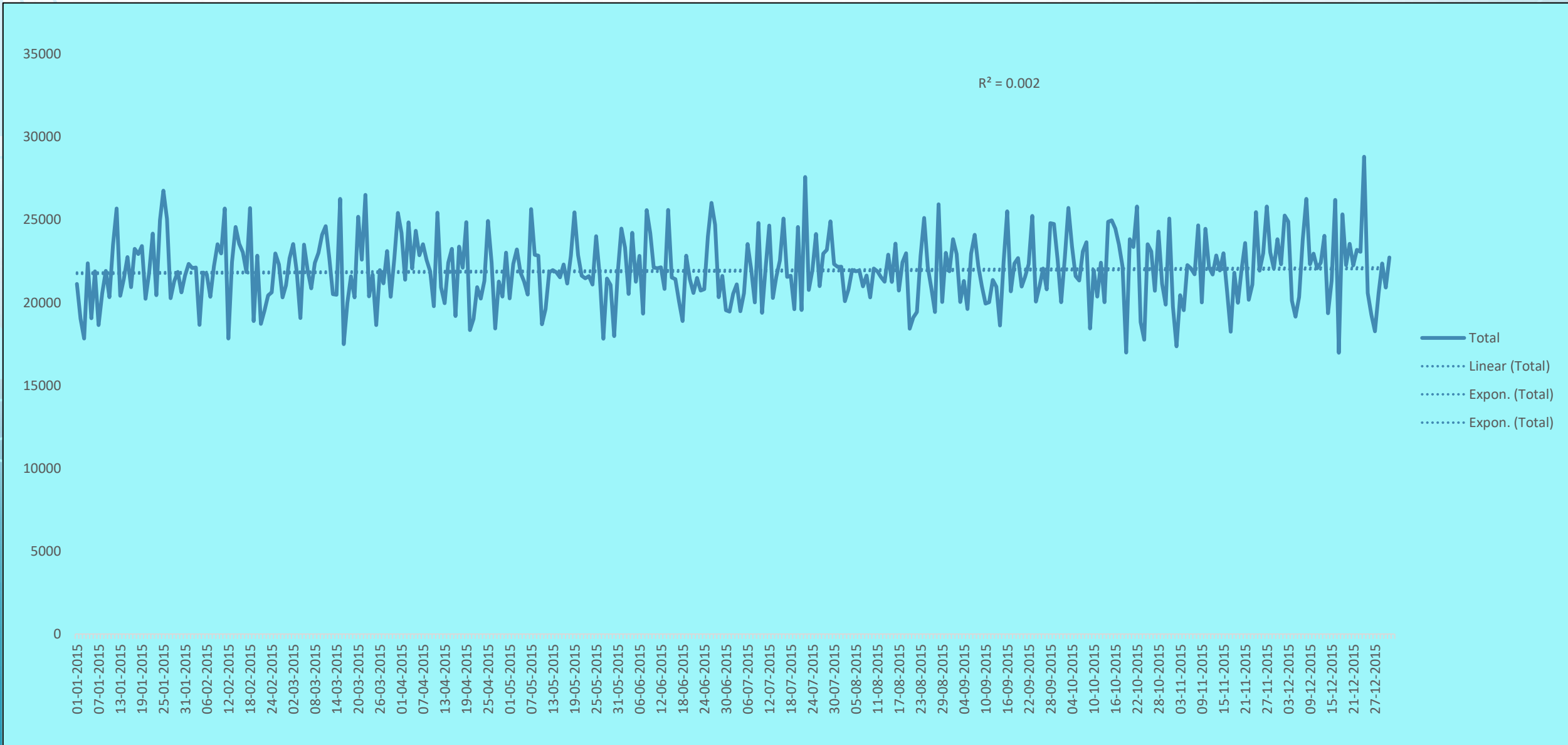
Predicted Values Linear

Predicted Values F-ETS

Actual Values

Row Labels	Sum of Sales
01-01-2015	21135
02-01-2015	19035
03-01-2015	17837
04-01-2015	22382
05-01-2015	19058
06-01-2015	21901
07-01-2015	18649
08-01-2015	20559
09-01-2015	21921
10-01-2015	20334
11-01-2015	23493
12-01-2015	25686
13-01-2015	20412
14-01-2015	21447
15-01-2015	22753
16-01-2015	20943
17-01-2015	23248
18-01-2015	22933
19-01-2015	23416
20-01-2015	20235
21-01-2015	21816
22-01-2015	24176
23-01-2015	20458
24-01-2015	24979
25-01-2015	26768
26-01-2015	25058
27-01-2015	20273
28-01-2015	21293
29-01-2015	21856
30-01-2015	20618
31-01-2015	21641
01-02-2015	22339
02-02-2015	22090
03-02-2015	22121
04-02-2015	18665
05-02-2015	21828
06-02-2015	21722
07-02-2015	20357
08-02-2015	22200
09-02-2015	23530
10-02-2015	22976
11-02-2015	25684

Actual Values



RMSE = Root Mean Square Error

	SUM = E^2	7.92153E+11	By using direct function
	N	364	
	RMSE	46650.22439	46650.22439
Row Labels	Sum of Sales	Forecasted Sales Values	ERROR
01-01-2015	21135	22139.85358	-1004.853575
02-01-2015	19035	22136.86447	-3101.864468
03-01-2015	17837	22121.89618	-4284.896181
04-01-2015	22382	22099.60738	282.392621
05-01-2015	19058	22102.85025	-3044.850247
06-01-2015	21901	22086.77959	-185.7795898
07-01-2015	18649	22086.97305	-3437.973051
08-01-2015	20559	22067.76864	-1508.768642
09-01-2015	21921	22059.48396	-138.4839598
10-01-2015	20334	22059.23954	-1725.23954
11-01-2015	23493	22049.20674	1443.793258
12-01-2015	25686	22058.53389	3627.466108
13-01-2015	20412	22081.93854	-1669.938535
14-01-2015	21447	22072.48668	-625.4866838
15-01-2015	22753	22069.39457	683.6054325
16-01-2015	20943	22074.68902	-1131.689023
17-01-2015	23248	22068.2401	1179.759903
18-01-2015	22933	22076.89631	856.1036857
19-01-2015	23416	22083.68789	1332.312113
20-01-2015	20235	22093.94878	-1858.94878
21-01-2015	21816	22082.68553	-266.6855318

$$RMSE = \sqrt{\sum E^2 / N}$$

$$RMSE = 46650.22439$$