

A Major Project on Designing A Sales Dashboard in Excel



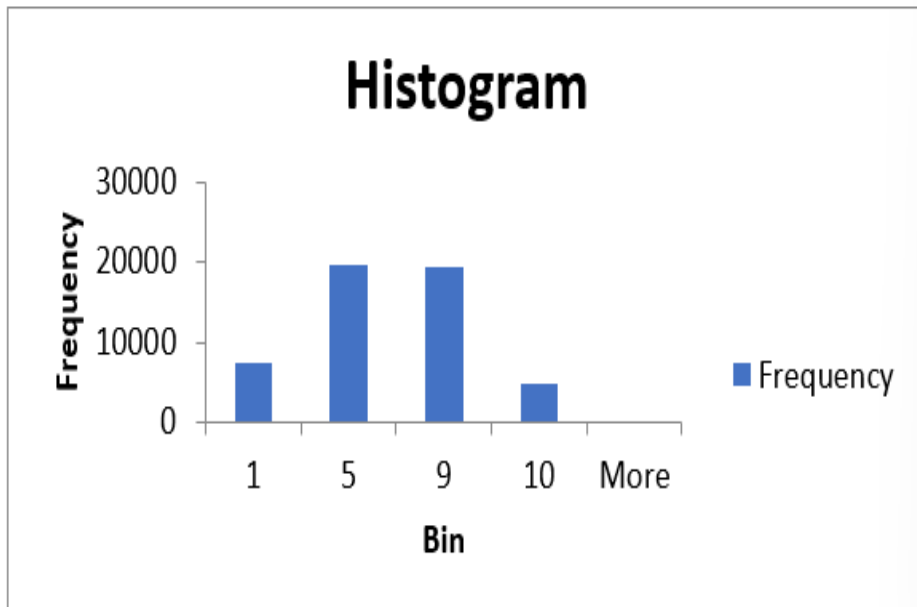
Submitted By – Chaitrali Vishal Bhusare

Under The Guidance– Simplilearn

Histogram

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

Bin	Frequency
1	7467
5	19646
9	19286
10	4891
More	0



Histogram

Input

Input Range: Sheet1!\$D\$2:\$D\$5129

Bin Range: \$C\$3:\$C\$6

☐ Labels

Output options

☒ Output Range: \$E\$2

☐ New Worksheet Ply:

☐ New Workbook

☐ Pareto (sorted histogram)

☐ Cumulative Percentage

☒ Chart Output

OK

Cancel

Help

Create User Control Combo box for Product Category

List of Product Categories	
Auto & Accessories	MATCH(W4,V3:V6,0)
Electronic	
Home & Furniture	
Fashion	

Data Validation

Settings Input Message Error Alert

Validation criteria

Allow:

List ☐ Ignore blank

Data:

between ☐ In-cell dropdown

Source:

=B\$3:B\$6

☐ Apply these changes to all other cells with the same settings

Clear All OK Cancel

Create User Control Combo box for Product Category – Month and Region wise Sales and Profit

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

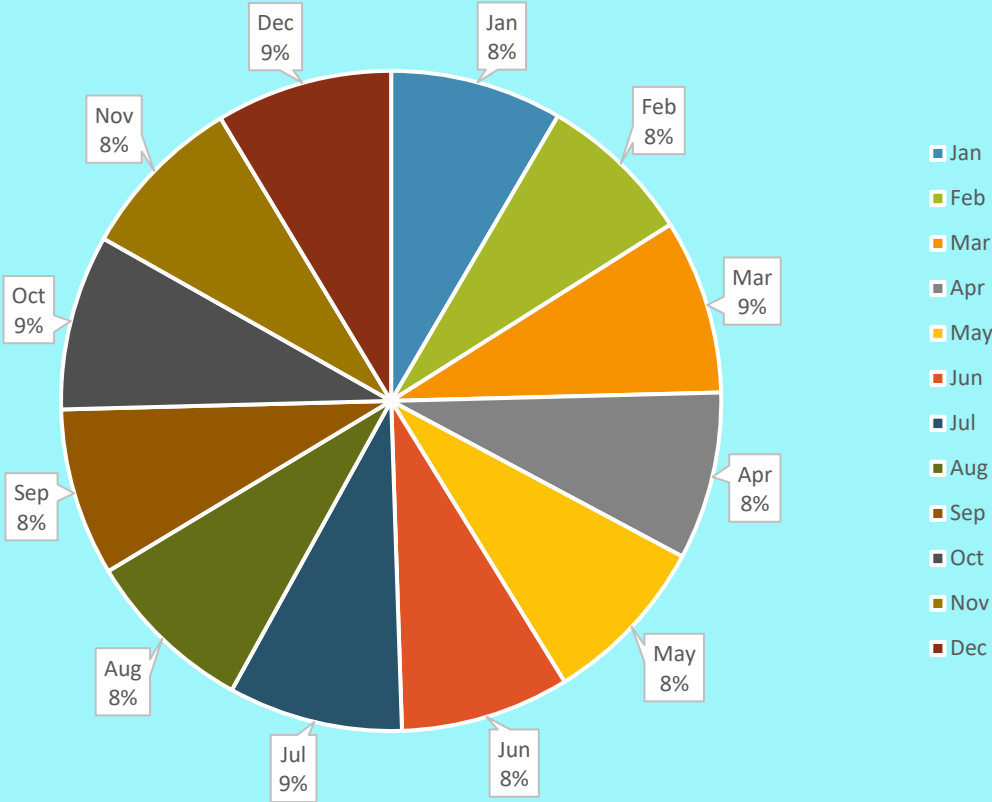
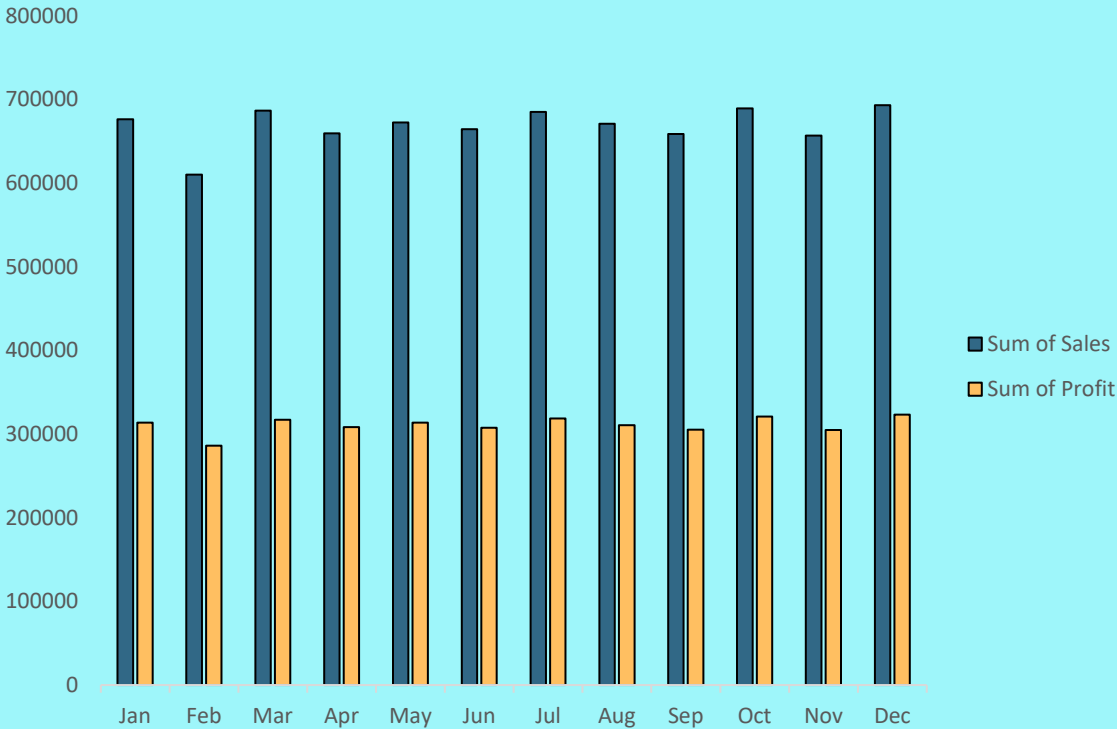
Product Category, Month wise, Region Wise sales	= SUMIFS(Sheet1!H:H,Sheet1!U:U,M22,Sheet1!F:F,L22,Sheet1!T:T,Working!N22)
Product Category, Month wise, Region Wise Profit	= SUMIFS(Sheet1!K:K,Sheet1!F:F,L22,Sheet1!U:U,M22,Sheet1!T:T,Working!N22)

Month Wise Sales and Profit, Region wise Sales

Month wise Sales	= SUMIFS(Sheet1!H:H,Sheet1!U:U,B4:B15,Sheet1!F:F,\$W\$
Month wise Profit	= SUMIFS(Sheet1!K:K,Sheet1!U:U,B5:B15,Sheet1!F:F,\$W
Region Wise Sales	= SUMIFS(Sheet1!H:H,Sheet1!T:T,B23:B35,Sheet1!F:F,W4)

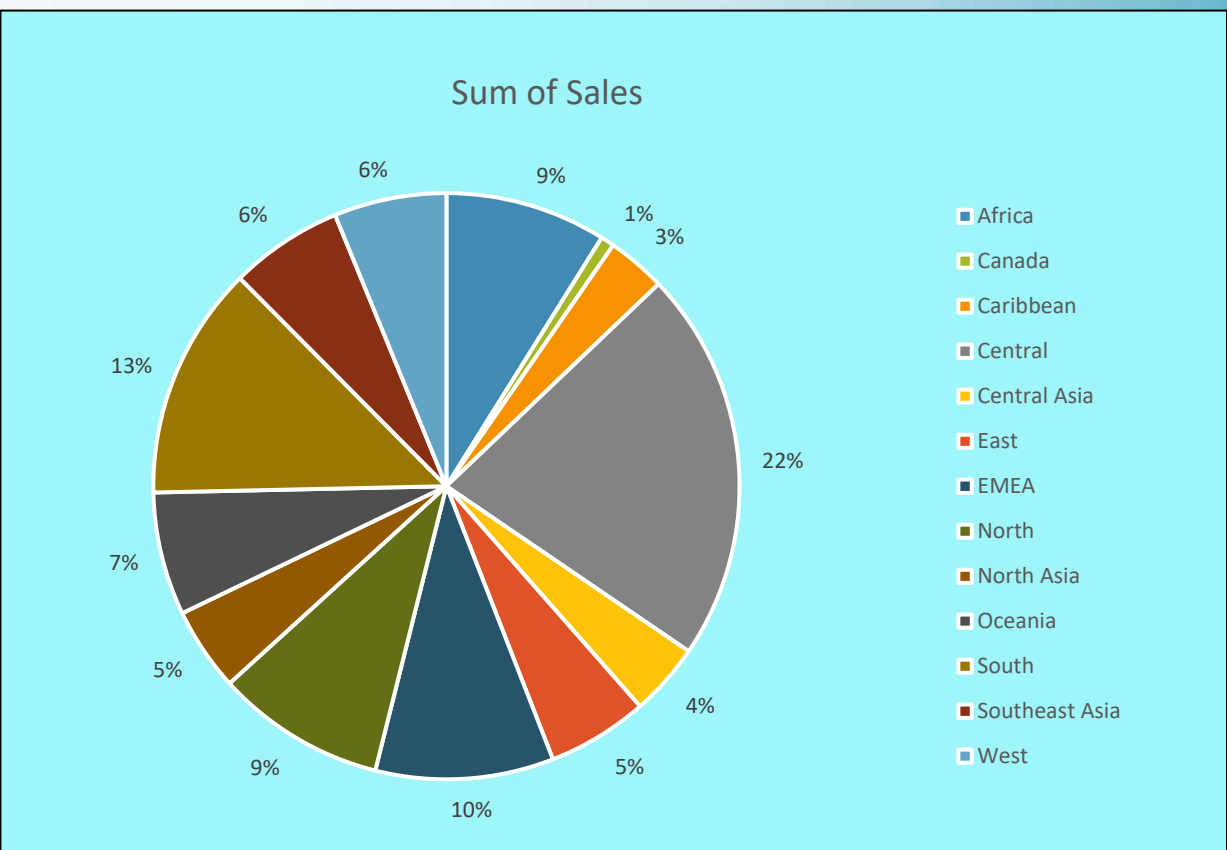
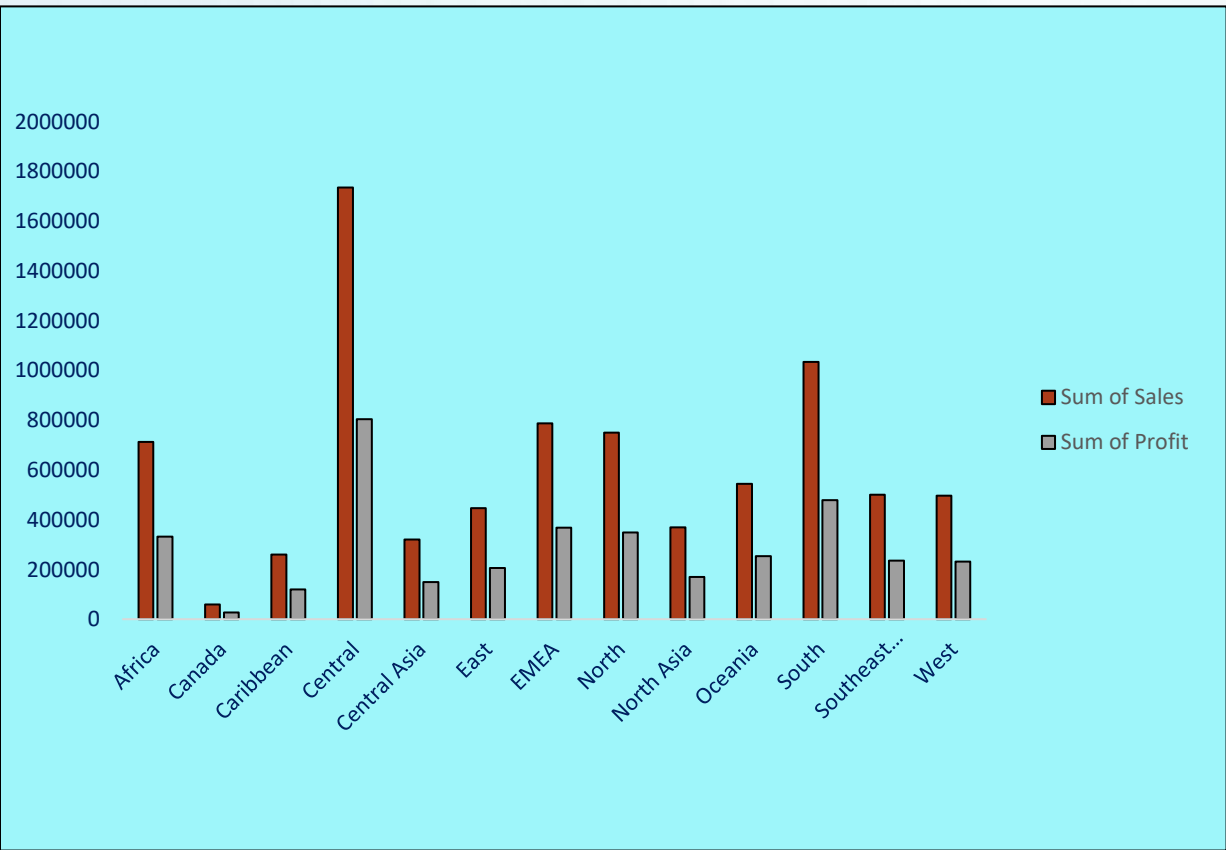
Sales Dashboard For Product Categories

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

Predicted Values – Source Code

FORECAST	= FORECAST(A3,'Actual tips values'!B3:B367,'Actual tips values'!A3:A367)
LINEAR	= FORECAST.LINEAR(A3,'Actual tips values'!B3:B367,'Actual tips values'!A3:A367)
F.ETS	= FORECAST.ETS(A3,'Actual tips values'!B3:B367,'Actual tips values'!A3:A367,0)

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

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

PIVOTABLE FIELDS

Choose fields to add to report:

Search

☐ Ship Date

☐ Aging

☐ Ship Mode

Drag fields between areas below:

Filters

Columns

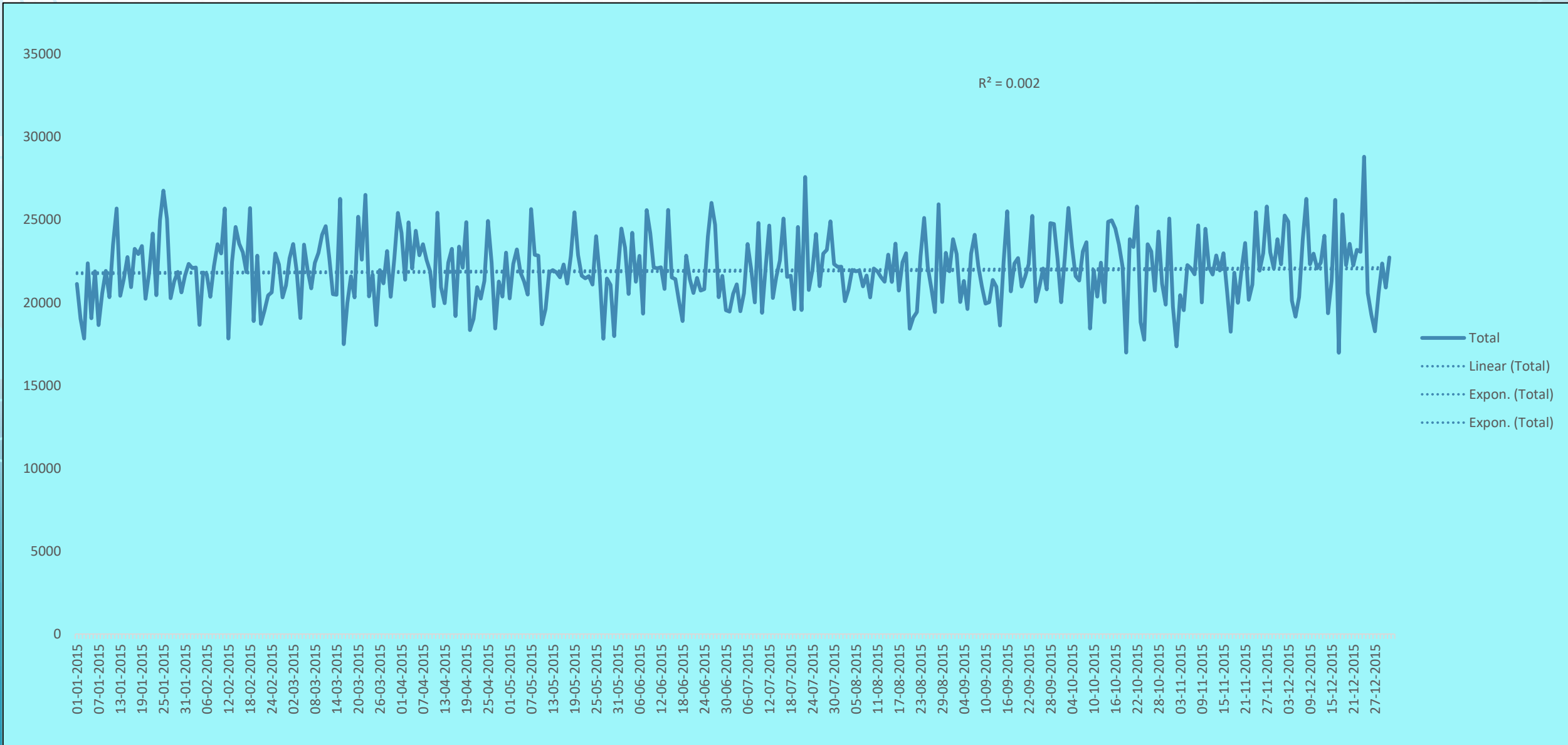
Rows

Values

Order Date

Sum of Sales

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

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

$$RMSE = 46650.22439$$