

Dva lab Exam CIE1

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5C

1.Explore data dynamically using a variety of charts, graphs, plots, and maps to uncover insights. Move effortlessly (point & click) from data discovery to report sharing.

Click help ->select sample folder->companies

Companies - JMP Pro

File Edit Tables Rows Cols DOE Analyze Graph Tools View Window Help

Companies

Locked File C:\Program Files
Notes Subset of FINANCIAL

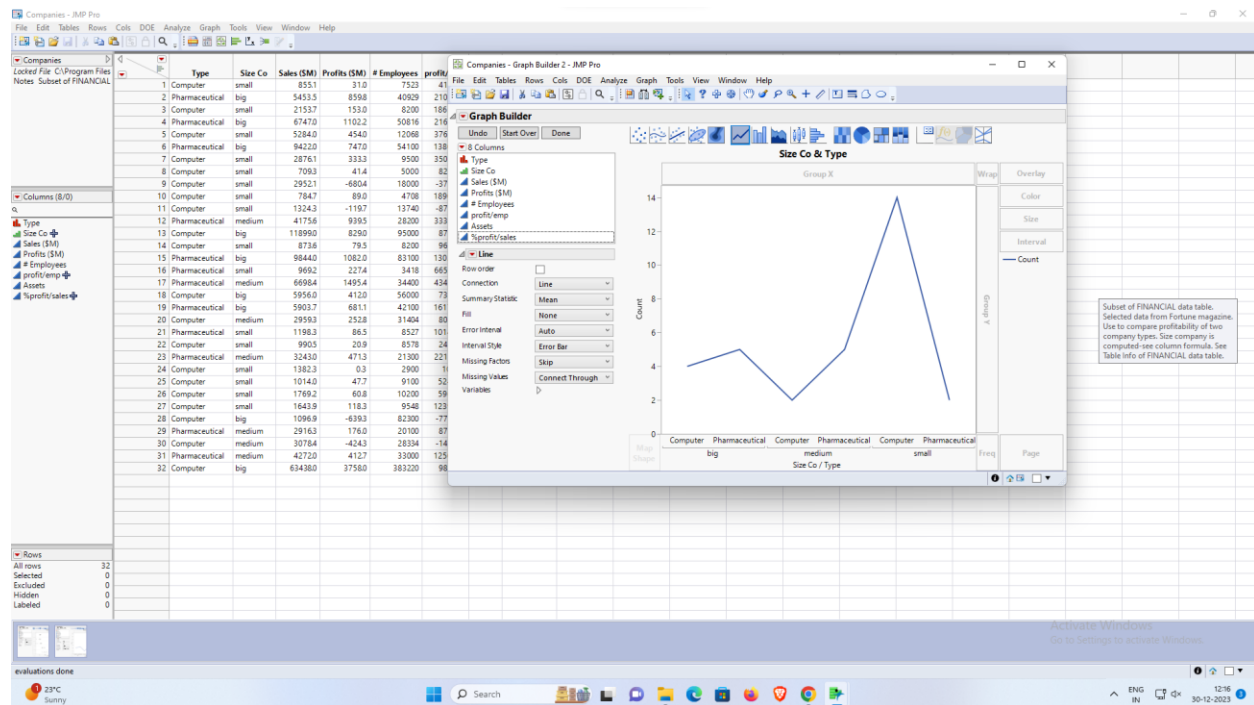
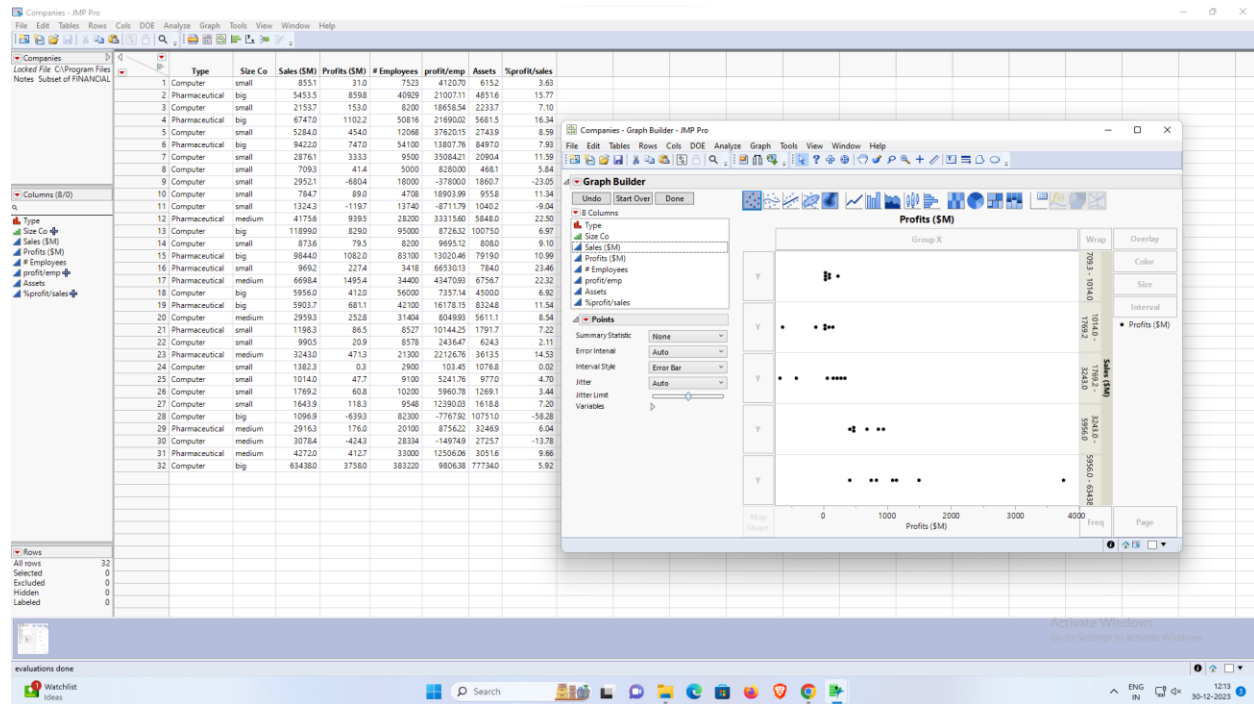
Columns (8/0)

Type
Size Co
Sales (\$M)
Profits (\$M)
Employees
profit/emp
Assets
%profit/sales

	Type	Size Co	Sales (\$M)	Profits (\$M)	# Employees	profit/emp	Assets	%profit/sales
1	Computer	small	855.1	31.0	7523	4120.70	615.2	3.63
2	Pharmaceutical	big	5453.5	859.8	40929	21007.11	4851.6	15.77
3	Computer	small	2153.7	153.0	8200	18658.54	2233.7	7.10
4	Pharmaceutical	big	6747.0	1102.2	50816	21690.02	5681.5	16.34
5	Computer	small	5284.0	454.0	12068	37620.15	2743.9	8.59
6	Pharmaceutical	big	9422.0	747.0	54100	13807.76	8497.0	7.93
7	Computer	small	2876.1	333.3	9500	35084.21	2090.4	11.59
8	Computer	small	709.3	41.4	5000	8280.00	468.1	5.84
9	Computer	small	2952.1	-680.4	18000	-37800.0	1860.7	-23.05
10	Computer	small	784.7	89.0	4708	18903.99	955.8	11.34
11	Computer	small	1324.3	-119.7	13740	-8711.79	1040.2	-9.04
12	Pharmaceutical	medium	4175.6	939.5	28200	33315.60	5848.0	22.50
13	Computer	big	11899.0	829.0	95000	8726.32	10075.0	6.97
14	Computer	small	873.6	79.5	8200	9695.12	808.0	9.10
15	Pharmaceutical	big	9844.0	1082.0	83100	13020.46	7919.0	10.99
16	Pharmaceutical	small	969.2	227.4	3418	66530.13	784.0	23.46
17	Pharmaceutical	medium	6698.4	1495.4	34400	43470.93	6756.7	22.32
18	Computer	big	5956.0	412.0	56000	7357.14	4500.0	6.92
19	Pharmaceutical	big	5903.7	681.1	42100	16178.15	8324.8	11.54
20	Computer	medium	2959.3	252.8	31404	80499.93	5611.1	8.54
21	Pharmaceutical	small	1198.3	86.5	8527	10144.25	1791.7	7.22
22	Computer	small	990.5	20.9	8578	24364.7	624.3	2.11
23	Pharmaceutical	medium	3243.0	471.3	21300	22126.76	3613.5	14.53
24	Computer	small	1382.3	0.3	2900	103.45	1076.8	0.02
25	Computer	small	1014.0	47.7	9100	5241.76	977.0	4.70
26	Computer	small	1769.2	60.8	10200	5960.78	1269.1	3.44
27	Computer	small	1643.9	118.3	9548	12390.03	1618.8	7.20
28	Computer	big	1096.9	-639.3	82300	-7767.92	10751.0	-58.28
29	Pharmaceutical	medium	2916.3	176.0	20100	8756.22	3246.9	6.04
30	Computer	medium	3078.4	-424.3	28334	-14974.9	2725.7	-13.78
31	Pharmaceutical	medium	4272.0	412.7	33000	12506.06	3051.6	9.66
32	Computer	big	63438.0	3758.0	383220	9806.38	77734.0	5.92

Select graph builder

Select column name profit and sales and click ok



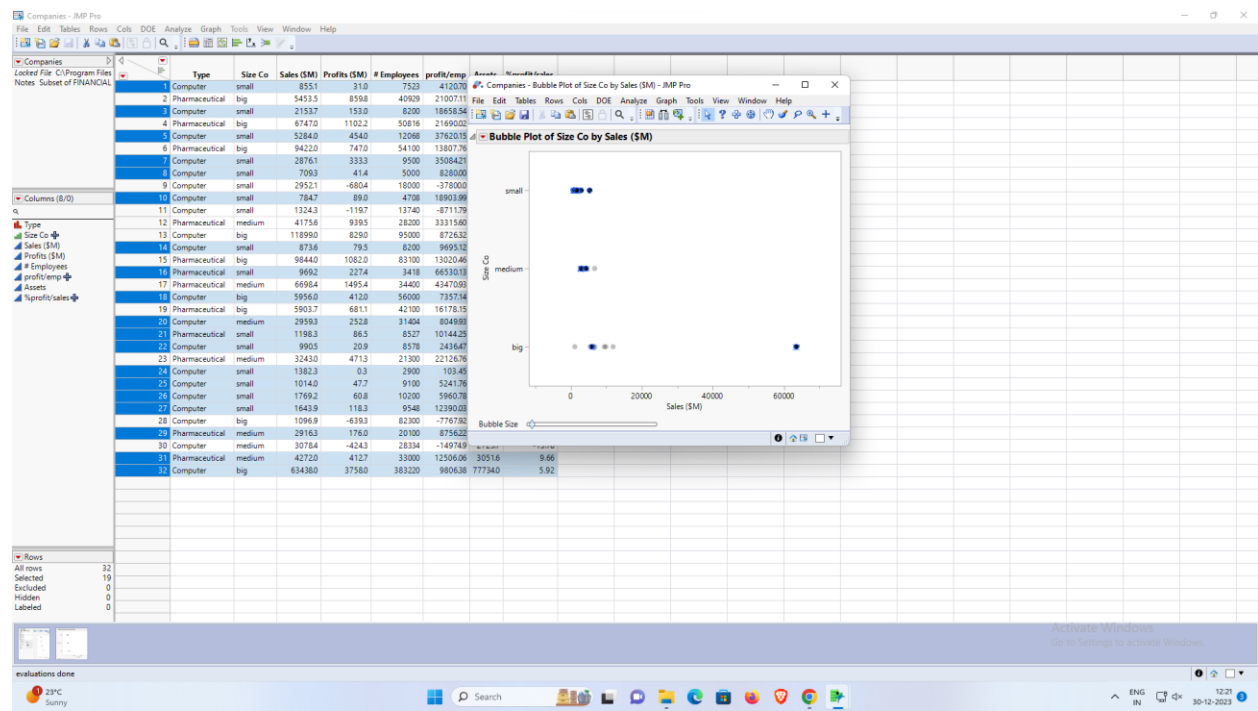
The screenshot displays a Microsoft Excel spreadsheet with a data table and a Graph Builder chart.

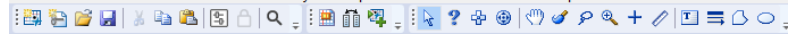
Data Table:

	Type	Size Co	Sales (\$M)	Profits (\$M)	# Employees	profit/emp
1	Computer	small	8551	31.0	7523	41
2	Pharmaceutical	big	5453.5	8398	40629	216
3	Computer	small	21537	153.0	8200	186
4	Pharmaceutical	big	67470	1102.2	50816	216
5	Computer	small	52840	4540	12068	374
6	Pharmaceutical	big	94220	74710	54100	138
7	Computer	small	28761	3333	9500	350
8	Computer	small	7093	41.4	5000	82
9	Computer	small	29521	-6804	18000	-31
10	Computer	small	7847	89.0	4768	188
11	Computer	small	13243	-1197	13740	-87
12	Pharmaceutical	medium	41758	9395	28200	331
13	Computer	big	118990	8290	95000	87
14	Computer	small	8736	793	8200	96
15	Pharmaceutical	big	98440	1062.0	83100	126
16	Pharmaceutical	small	9692	227.4	3418	665
17	Pharmaceutical	medium	66984	1495.4	34400	434
18	Computer	big	59960	4120	56000	73
19	Pharmaceutical	small	5903.7	681.1	42100	161
20	Computer	medium	25933	2528	31404	80
21	Pharmaceutical	small	11983	86.5	8527	101
22	Computer	small	9905	20.9	8578	24
23	Pharmaceutical	medium	32430	471.3	21300	221
24	Computer	small	13823	0.3	2900	1
25	Computer	small	10140	47.7	9100	52
26	Computer	small	17692	60.8	10200	59
27	Computer	small	16439	118.3	9548	123
28	Computer	big	1096.9	439.9	82300	-77
29	Pharmaceutical	medium	29163	176.0	20100	87
30	Computer	medium	30784	-4243	28334	-14
31	Pharmaceutical	medium	42720	4127	33000	125
32	Computer	big	83480	37580	383220	96

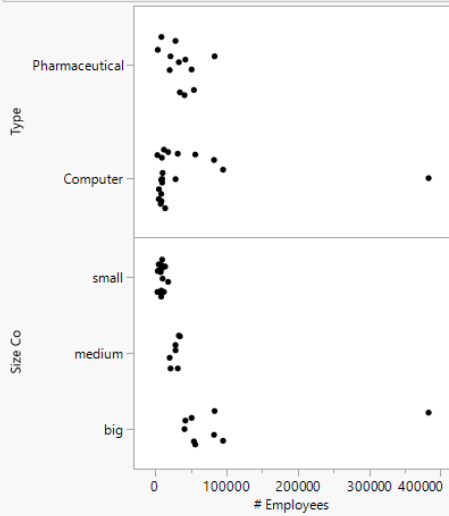
Graph Builder:

The Graph Builder window shows a pie chart titled "Mean(profit/emp) vs. Size Co". The chart is divided into three segments representing different size categories: "big" (blue), "medium" (green), and "small" (red). The legend on the right indicates the color coding for the size categories.





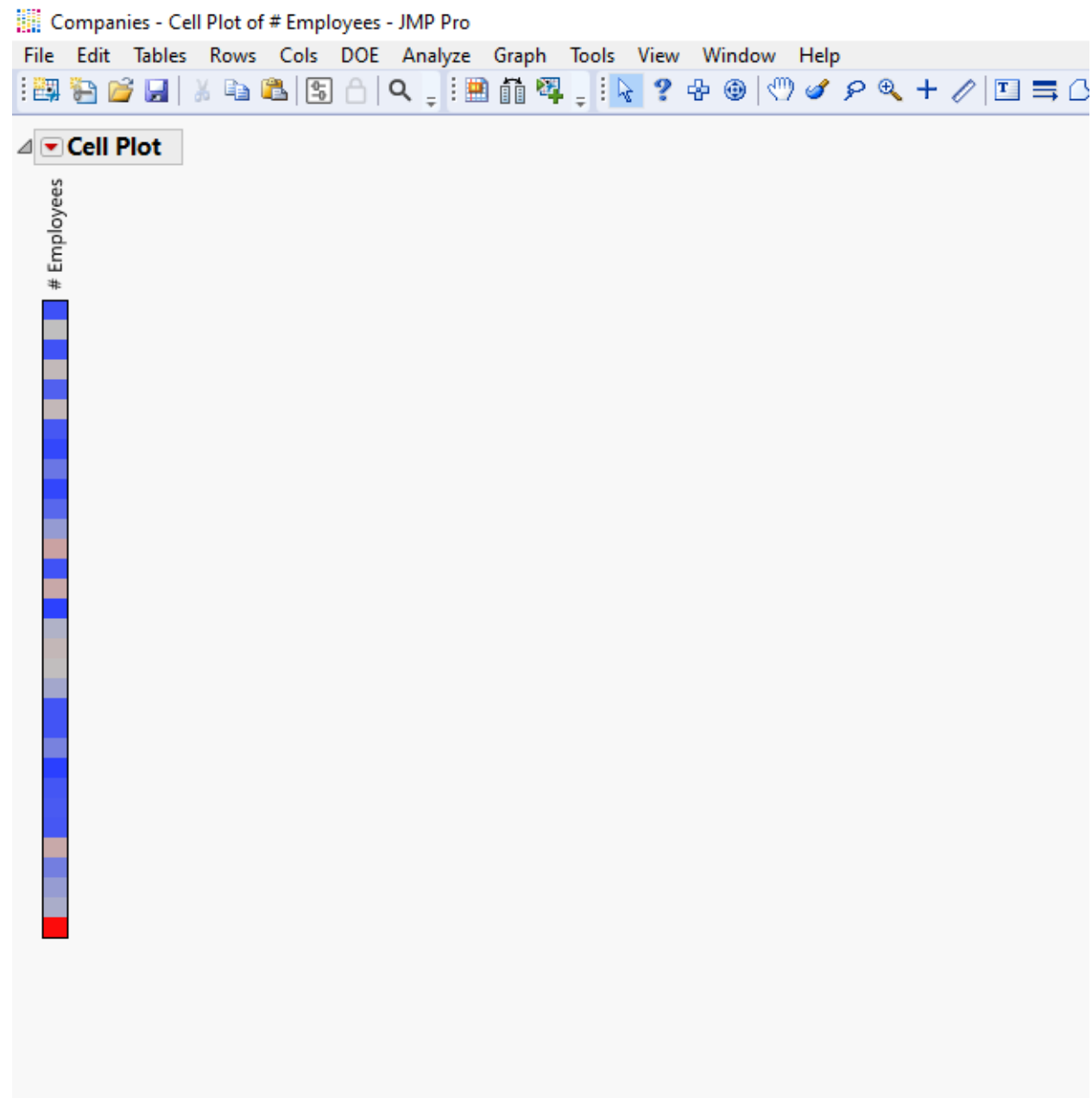
Scatterplot Matrix



Select graph builder

Click cell plot

Select column

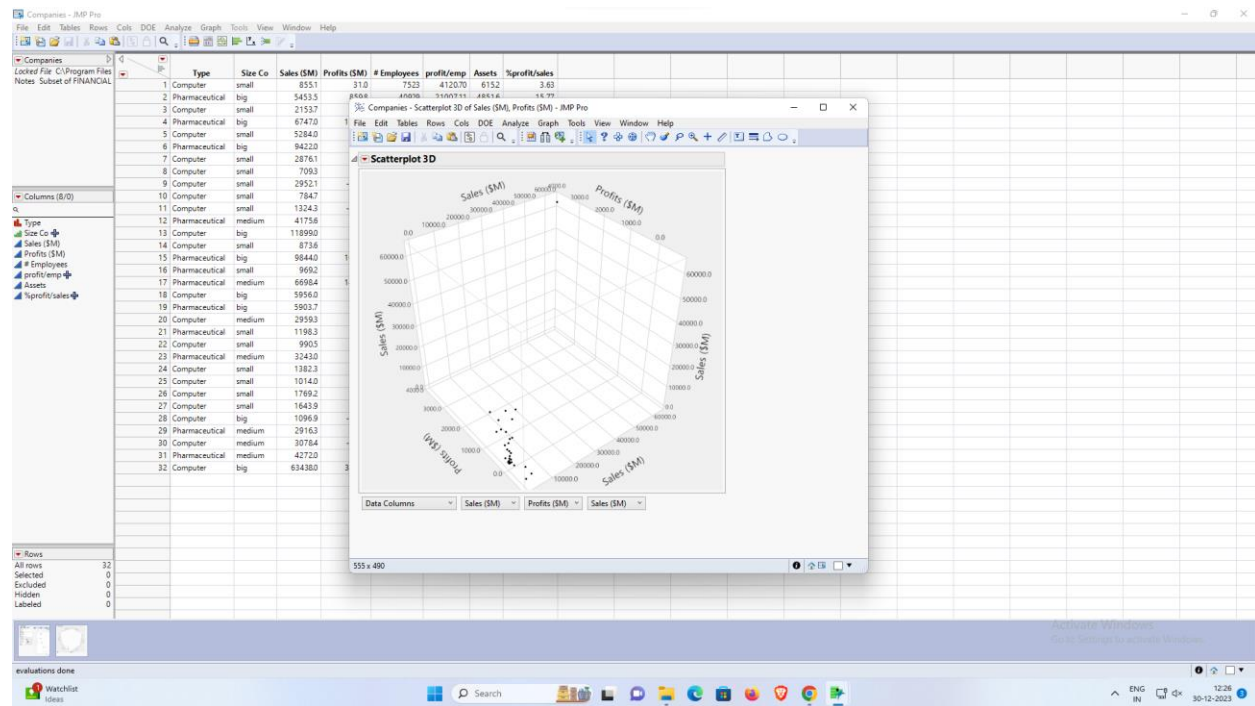


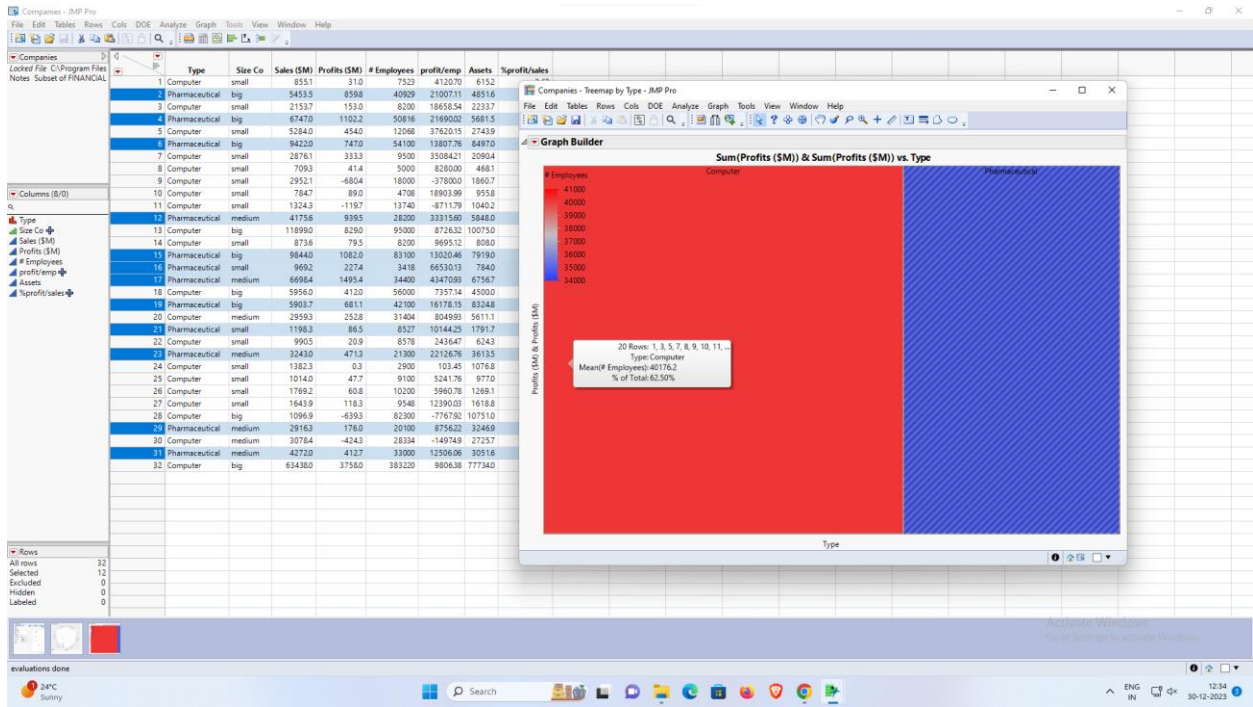
3D CHART

Select scatterplot 3D

Select two Y columns

Click done

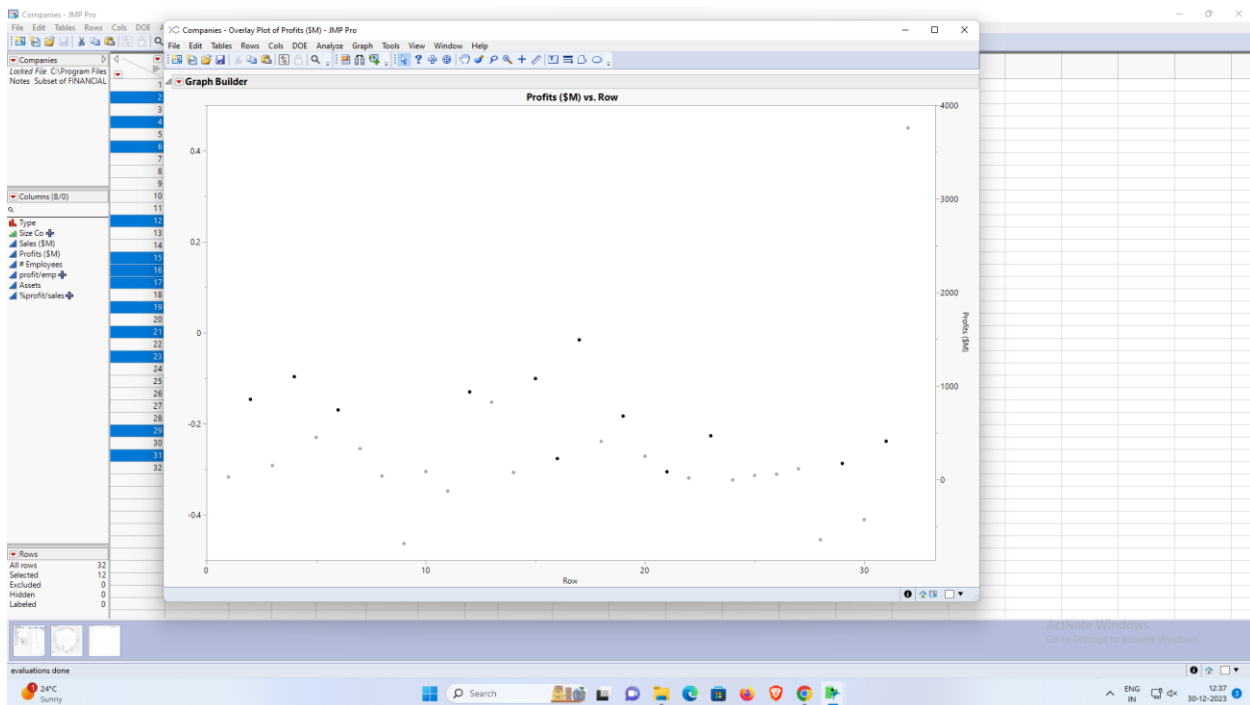
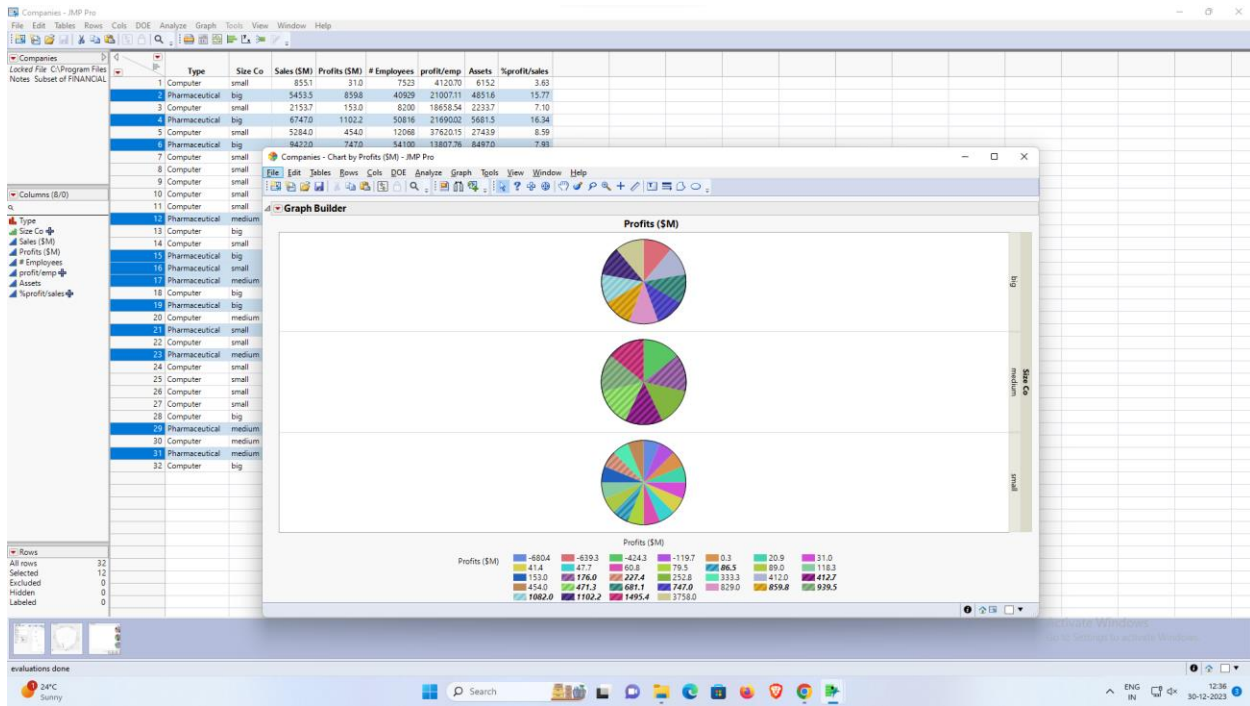




Click graph builder

Click pie chart

Select required column



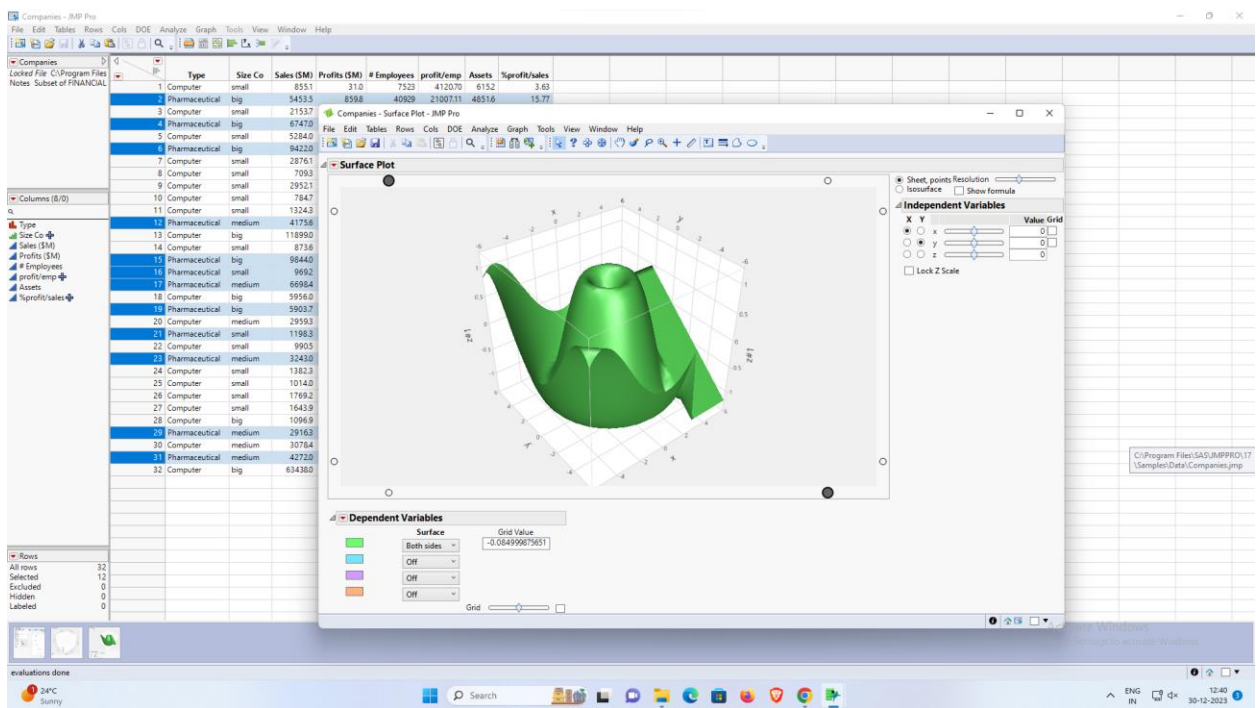
SURFACE PLOT

Click graph

Select surfaceplot

Select columns

Click ok



Contour plot
Select graph
Select contour plot
Select columns (optional)

