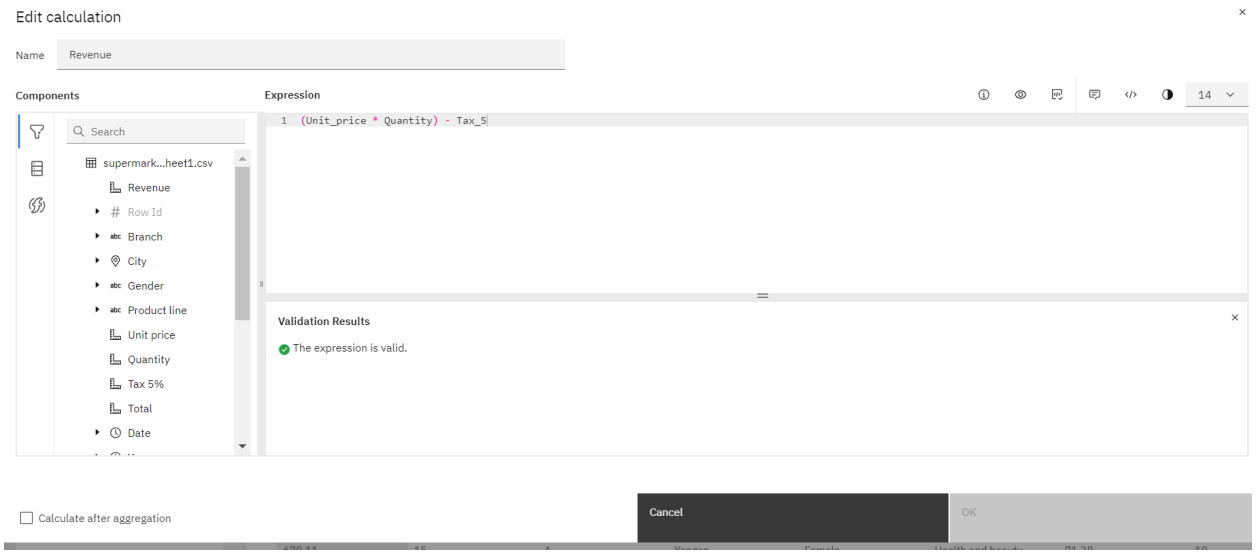
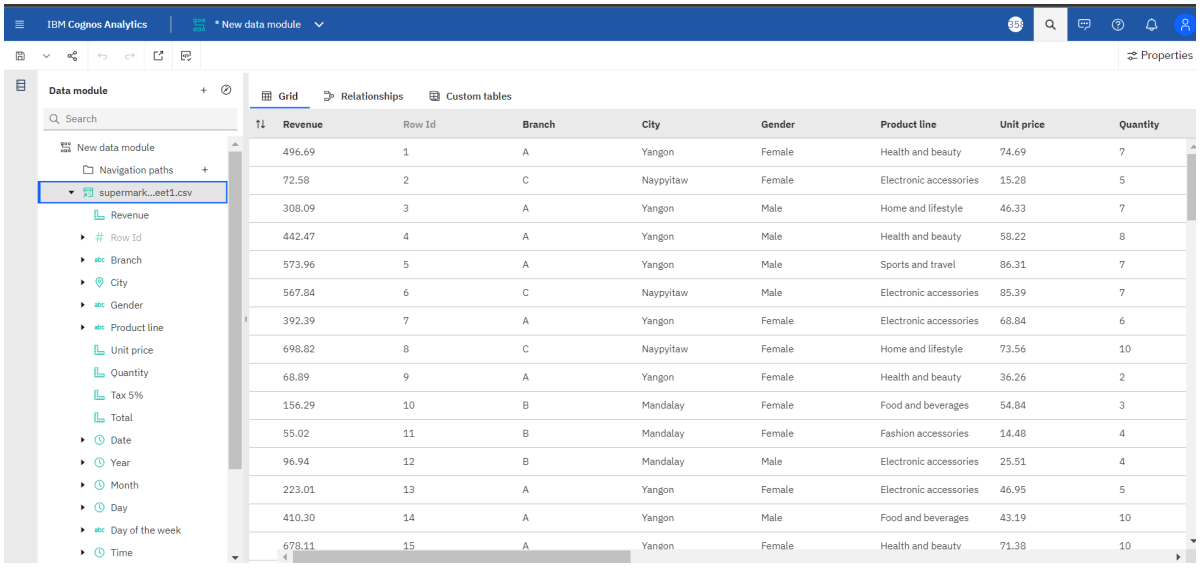
ASSIGNMENT - 1

DATA ANLAYTICS WITH IBM COGNOS

STEP-1

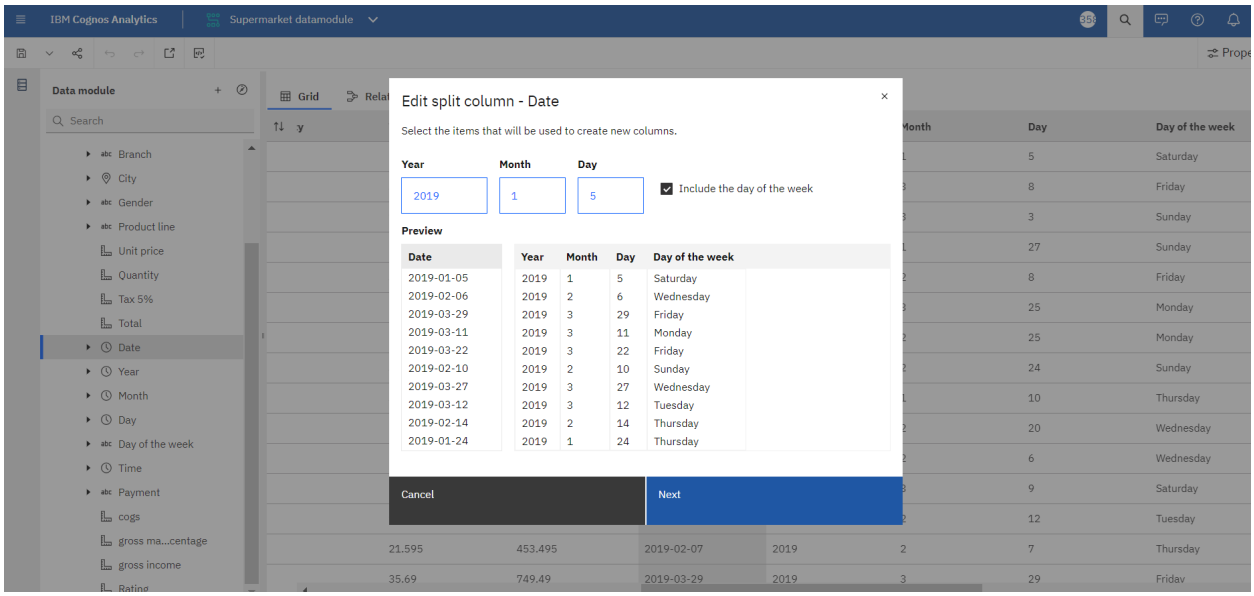
Uploaded the data module and removed the attribute invoice_id and introduced the calculation of Revenue using the below

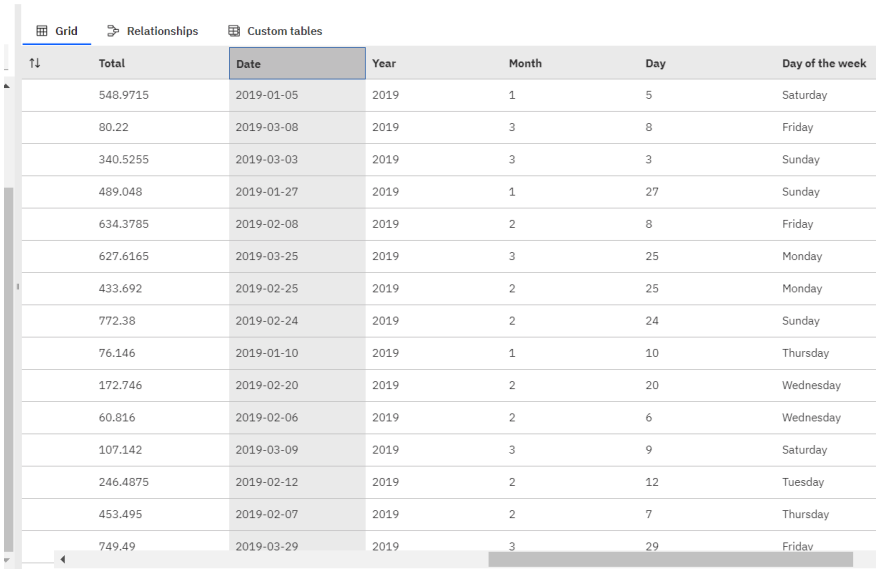




Revenue	Row Id	Branch	City	Gender	Product line	Unit price	Quantity
496.69	1	A	Yangon	Female	Health and beauty	74.69	7
72.58	2	C	Naypyitaw	Female	Electronic accessories	15.28	5
308.09	3	A	Yangon	Male	Home and lifestyle	46.33	7
442.47	4	A	Yangon	Male	Health and beauty	58.22	8
573.96	5	A	Yangon	Male	Sports and travel	86.31	7
567.84	6	C	Naypyitaw	Male	Electronic accessories	85.39	7
392.39	7	A	Yangon	Female	Electronic accessories	68.84	6
698.82	8	C	Naypyitaw	Female	Home and lifestyle	73.56	10
68.89	9	A	Yangon	Female	Health and beauty	36.26	2
156.29	10	B	Mandalay	Female	Food and beverages	54.84	3
55.02	11	B	Mandalay	Female	Fashion accessories	14.48	4
96.94	12	B	Mandalay	Male	Electronic accessories	25.51	4
223.01	13	A	Yangon	Female	Electronic accessories	46.95	5
410.30	14	A	Yangon	Male	Food and beverages	43.19	10
678.11	15	A	Yangon	Female	Health and beauty	71.38	10

Splited the date column into further divisions.



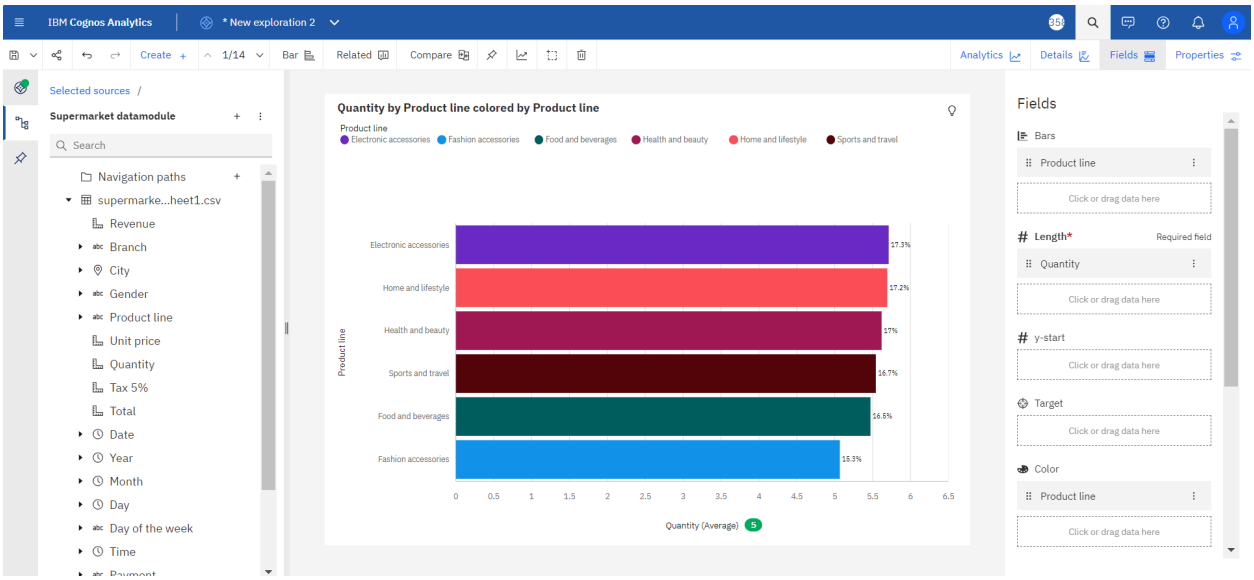


Total	Date	Year	Month	Day	Day of the week
548.9715	2019-01-05	2019	1	5	Saturday
80.22	2019-03-08	2019	3	8	Friday
340.5255	2019-03-03	2019	3	3	Sunday
489.048	2019-01-27	2019	1	27	Sunday
634.3785	2019-02-08	2019	2	8	Friday
627.6165	2019-03-25	2019	3	25	Monday
433.692	2019-02-25	2019	2	25	Monday
772.38	2019-02-24	2019	2	24	Sunday
76.146	2019-01-10	2019	1	10	Thursday
172.746	2019-02-20	2019	2	20	Wednesday
60.816	2019-02-06	2019	2	6	Wednesday
107.142	2019-03-09	2019	3	9	Saturday
246.4875	2019-02-12	2019	2	12	Tuesday
453.495	2019-02-07	2019	2	7	Thursday
749.49	2019-03-29	2019	3	29	Friday

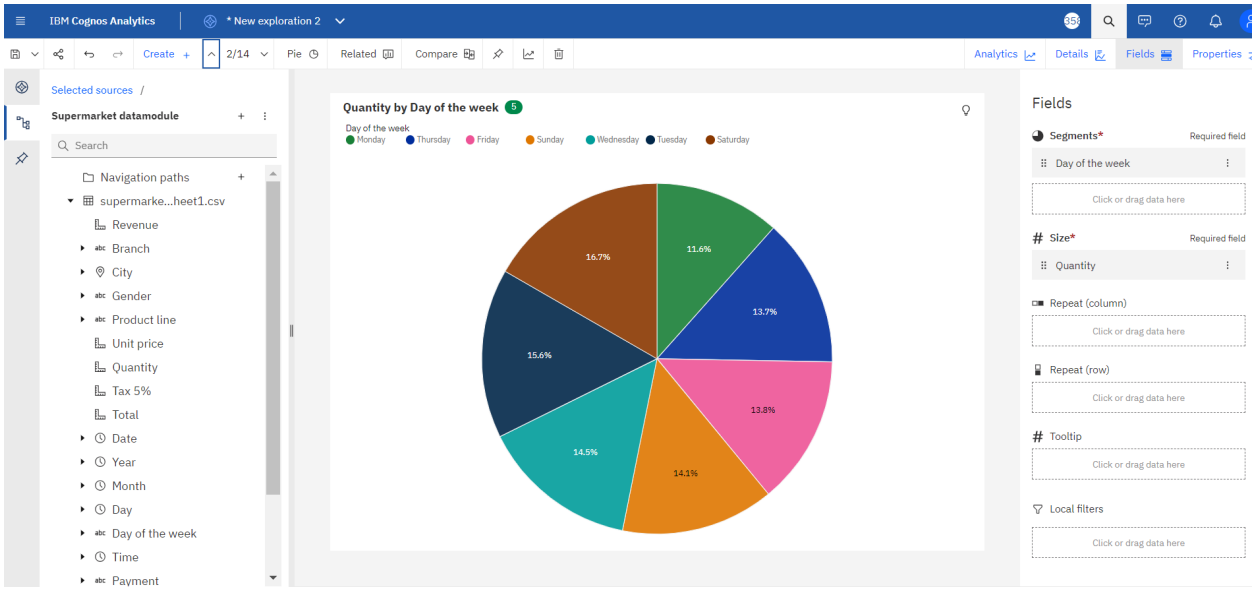
Thus deleting , sorting and adding of columns to the data is completed now comes visualization.

VISUALIZATION OF THE DATASET :

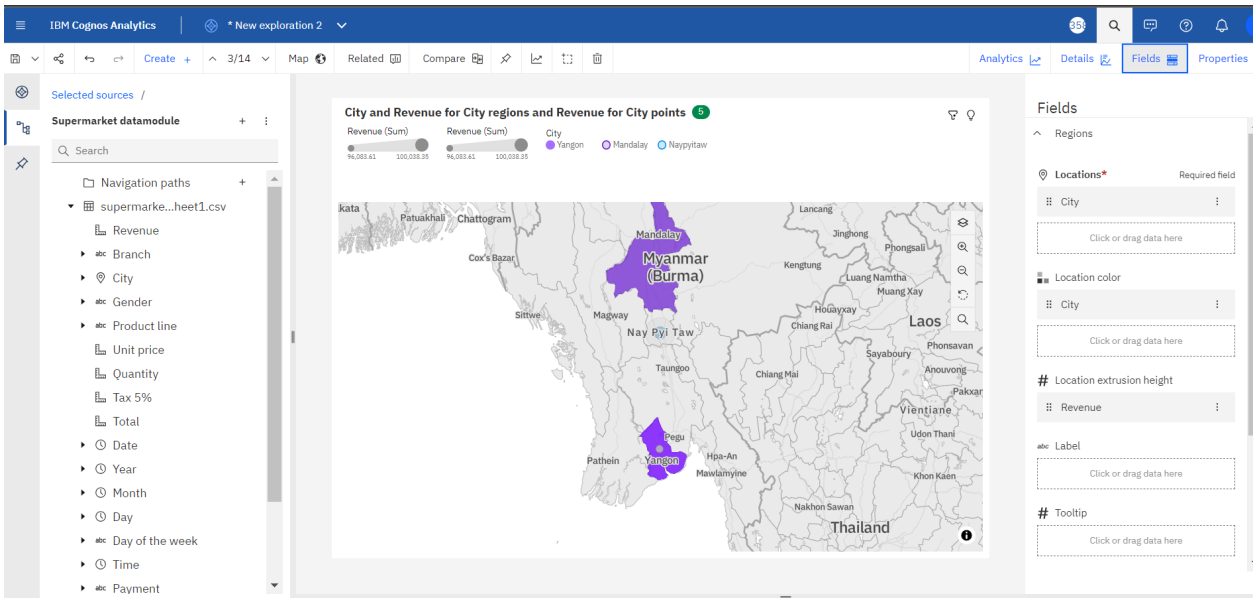
1] BAR CHART



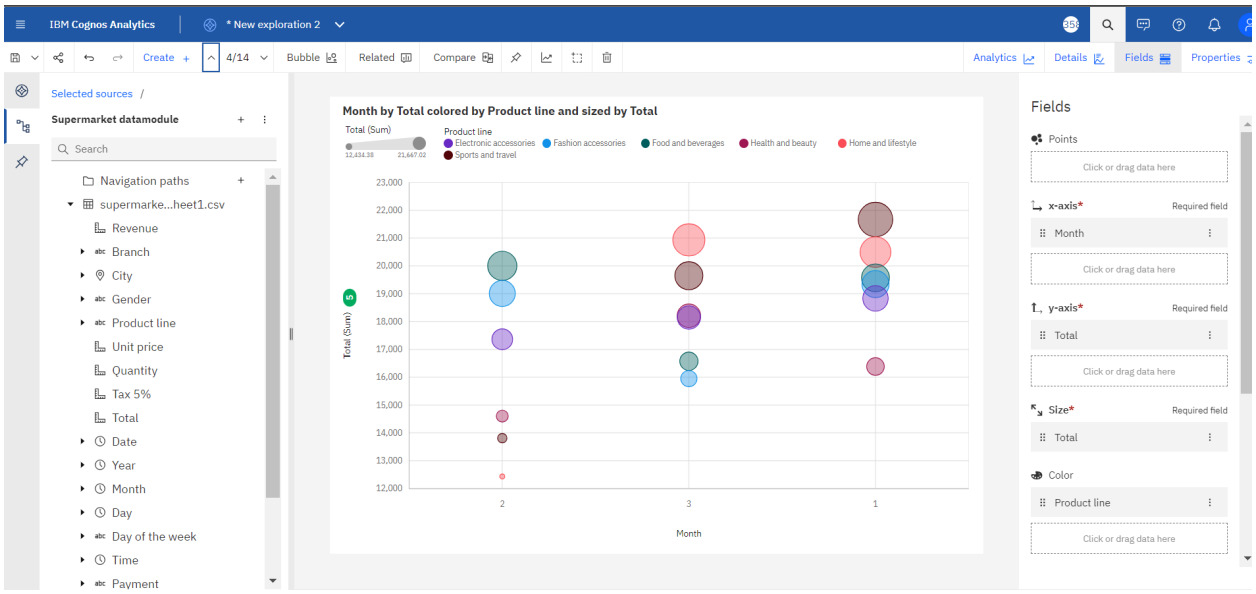
2]PIE CHART



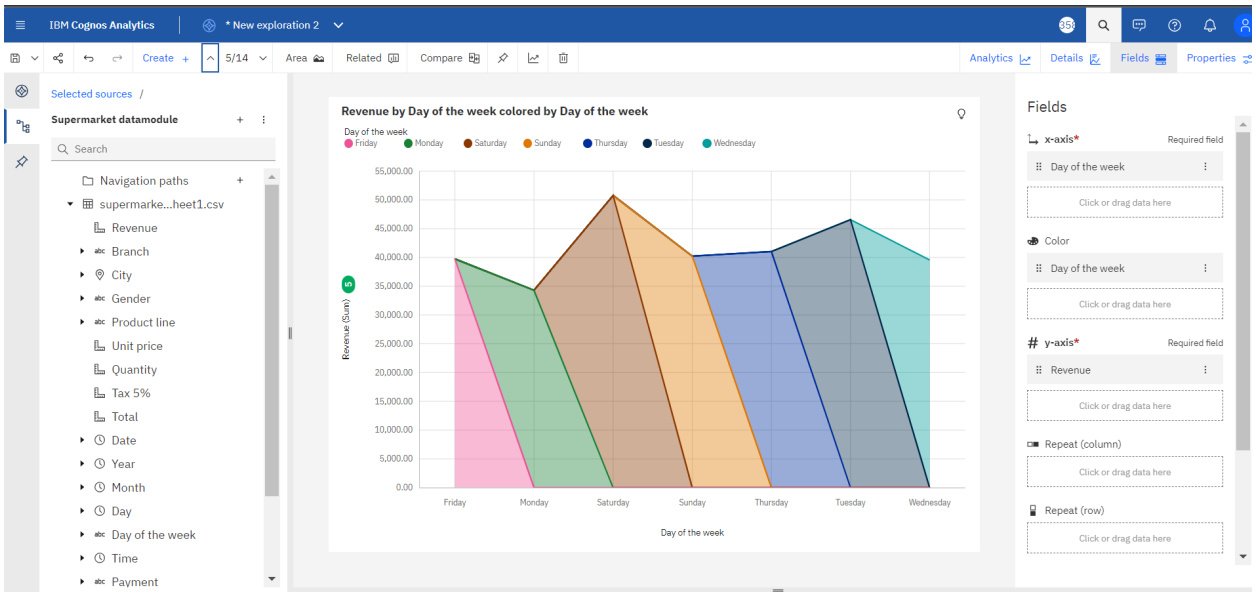
3] MAP



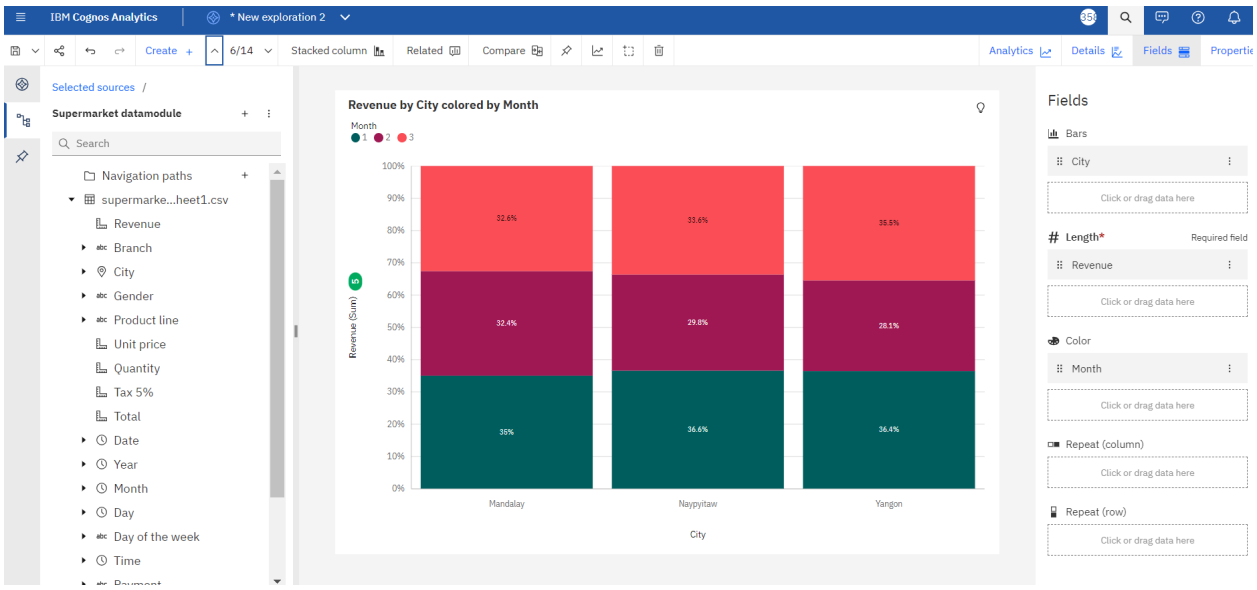
4] BUBBLE PLOT



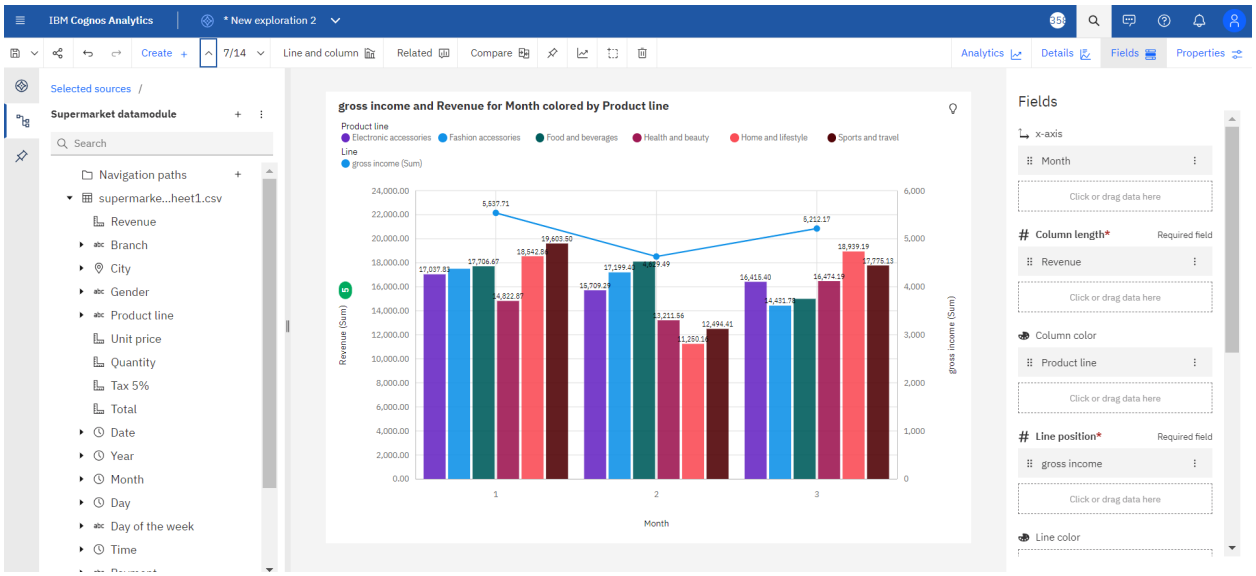
5] AREA



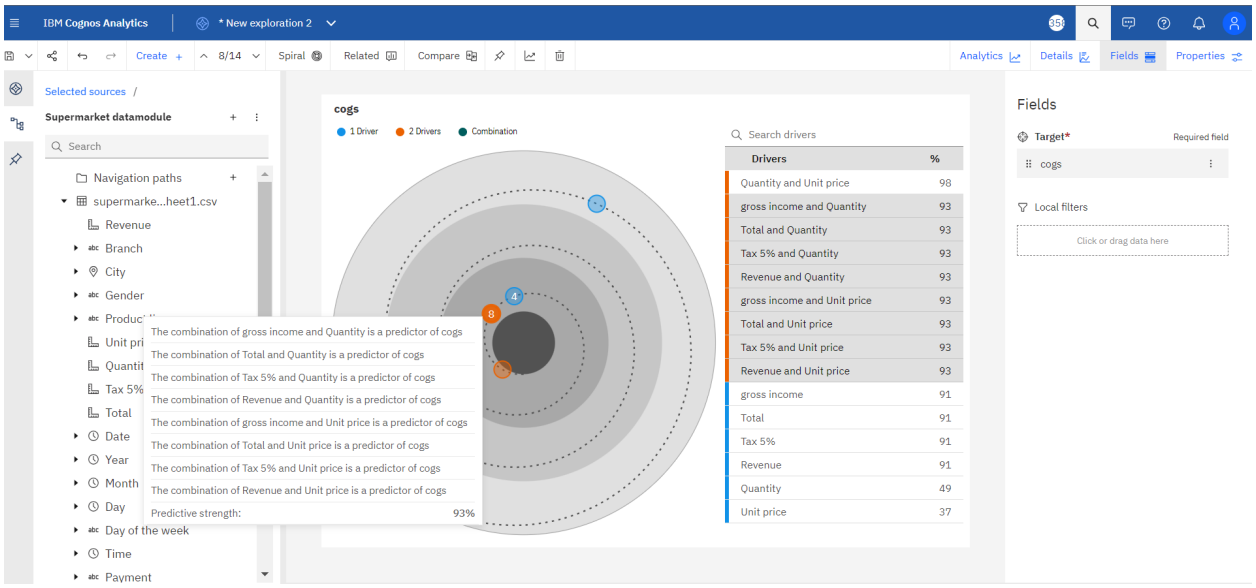
6] STACKED COLUMN



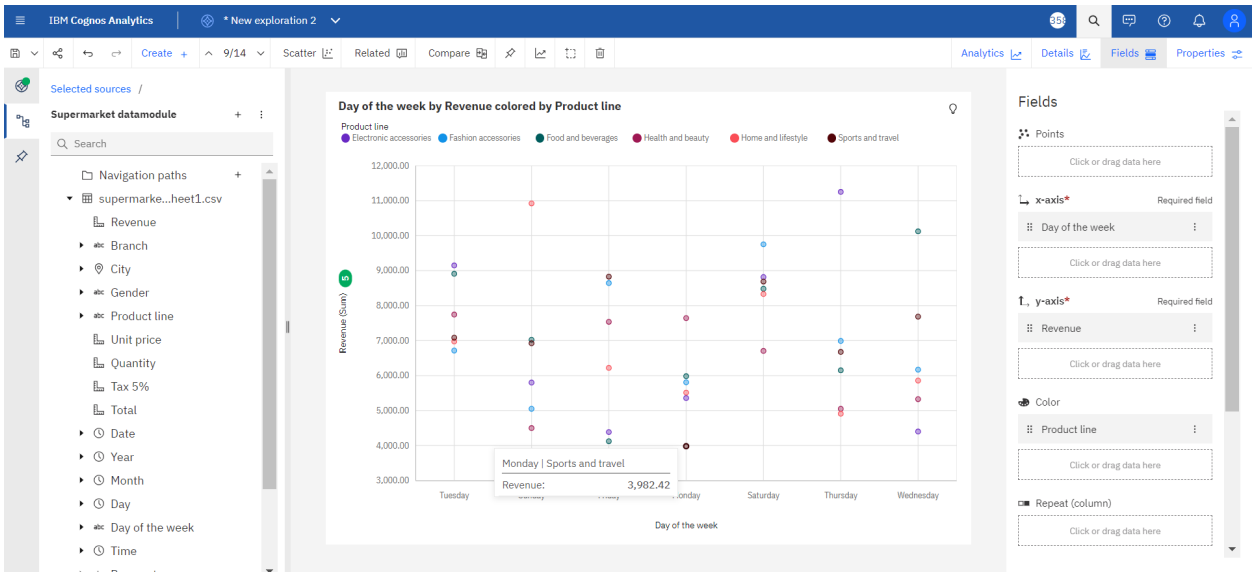
7] LINE AND COLUMN



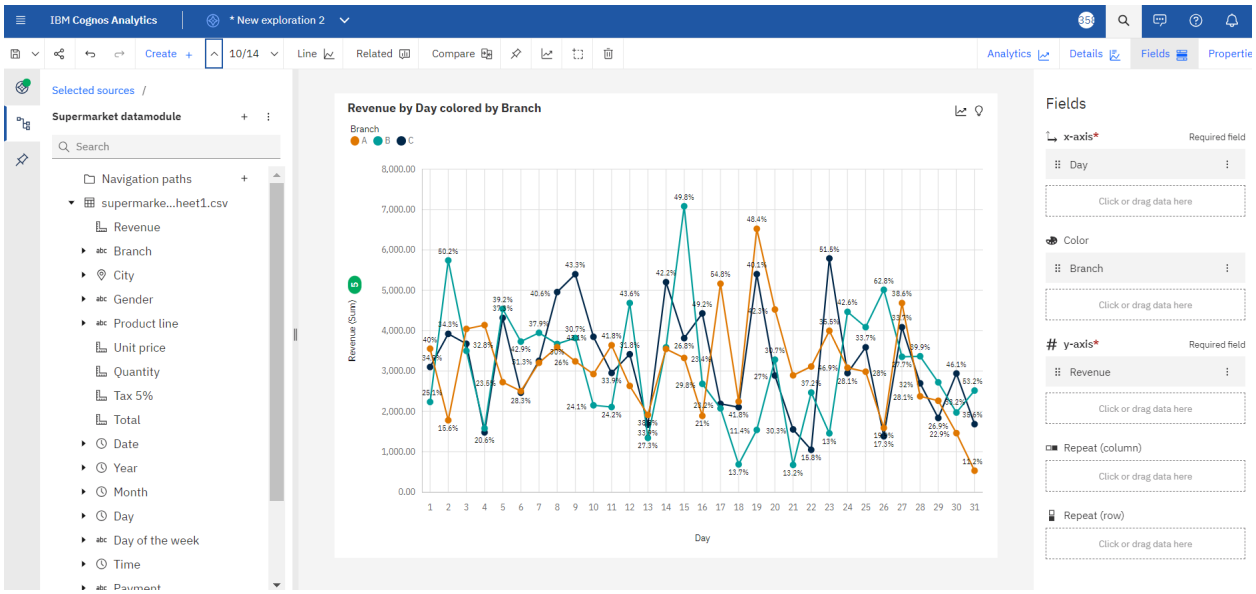
8]SPIRAL PLOT



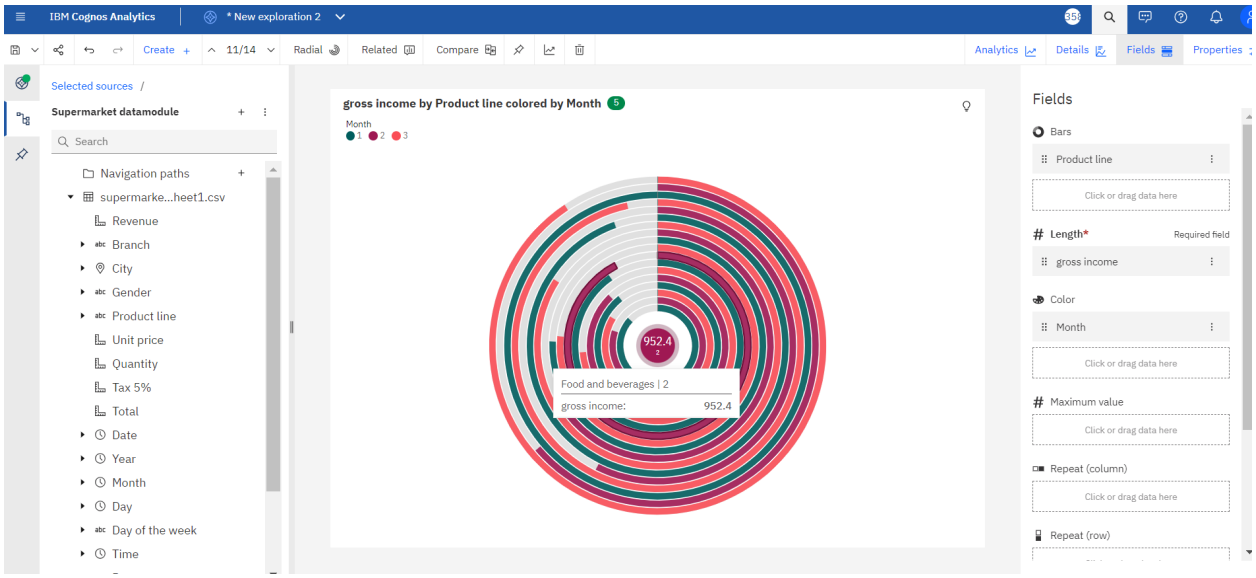
9] SCATTER PLOT



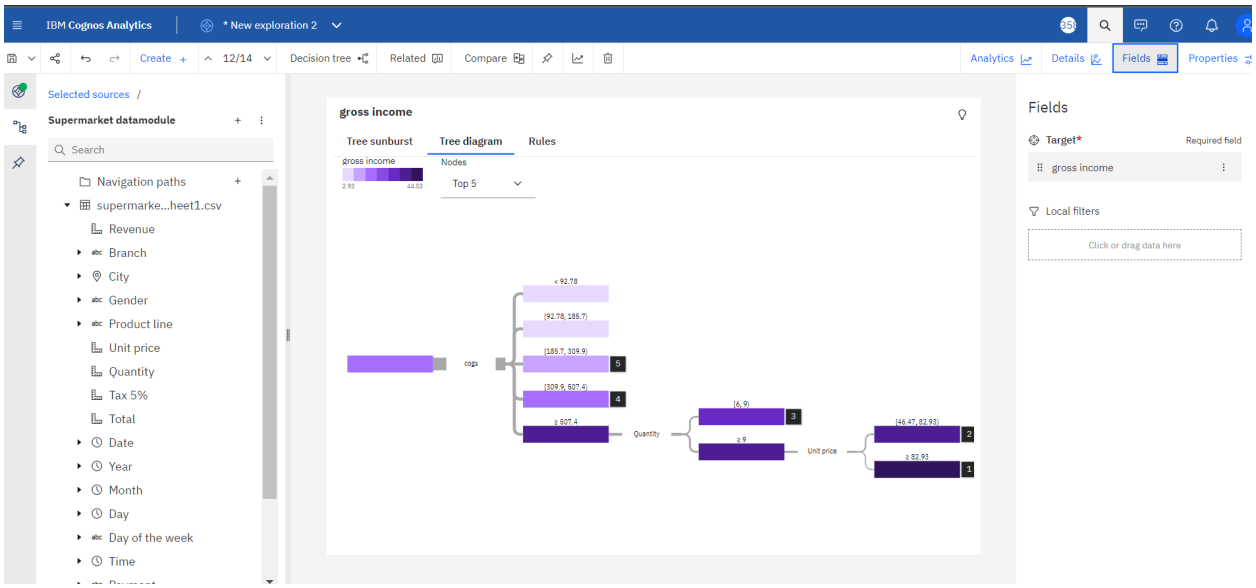
10] LINE PLOT



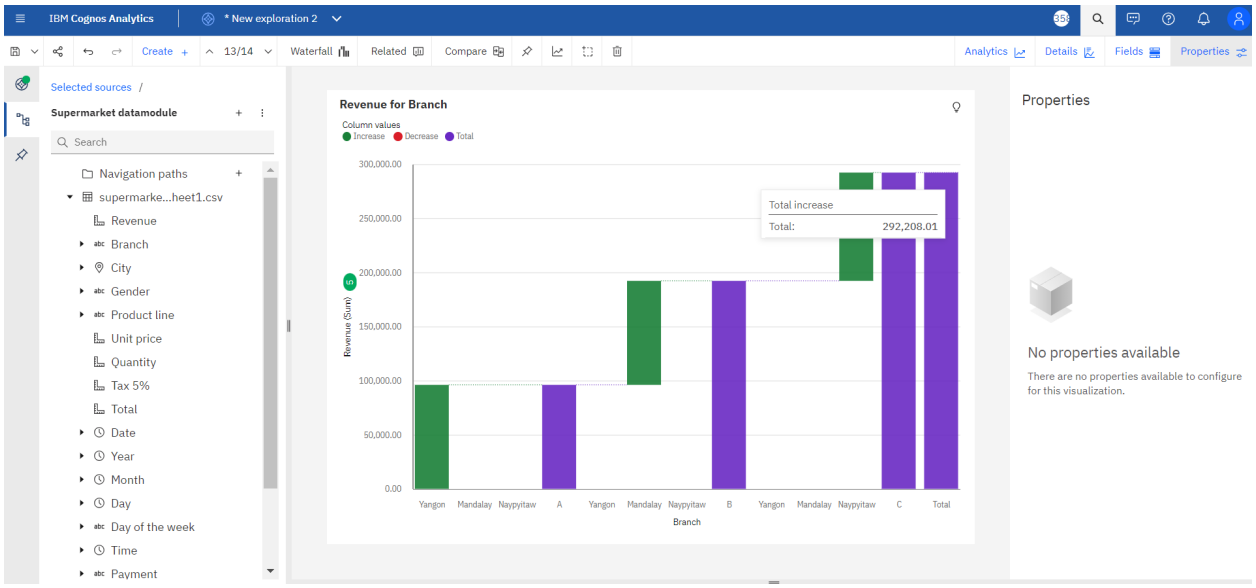
11] RADIAL



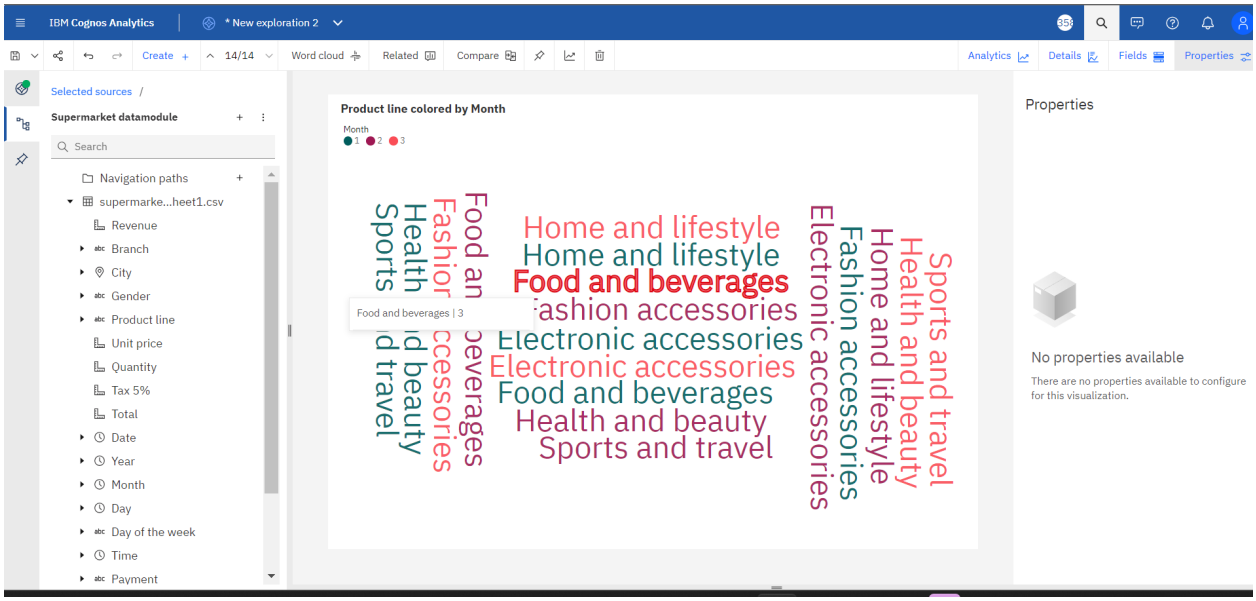
12] DECISION TREE



13] WATERFALL



14]WORD CLOUD



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