

ASSIGNMENT - 1

DATA ANALYTICS WITH IBM COGNOS

WE WILL FIRST EDIT THE DATASET BY DELETING THE COLUMNS AND THE SORTING IT AND ALSO SPLITTING THE COLUMNS FOR OUR REQUIRED PURPOSES.

Edit calculation ✕

Name Revenue

Components

supermark...heet1.csv

- Revenue
- # Row Id
- Branch
- City
- Gender
- Product line
- Unit price
- Quantity
- Tax 5%
- Total
- Date

Expression

1 (Unit_price * Quantity) - Tax_5%

Validation Results

✓ The expression is valid.

☐ Calculate after aggregation

Cancel OK

IBM Cognos Analytics | New data module

Data module

supermark...heet1.csv

Revenue

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

IBM Cognos Analytics

Supermarket datamodule

Grid

Relationships

Custom tables

Search

abc Branch

City

abc Gender

Product line

Unit price

Quantity

Tax 5%

Total

Date

Year

Month

Day

Day of the week

Time

abc Payment

cogs

gross ma...centage

gross income

Rating

Edit split column - Date

Select the items that will be used to create new columns.

Year

Month

Day

☒ Include the day of the week

2019

1

5

Preview

Date	Year	Month	Day	Day of the week
2019-01-05	2019	1	5	Saturday
2019-02-06	2019	2	6	Wednesday
2019-03-29	2019	3	29	Friday
2019-03-11	2019	3	11	Monday
2019-03-22	2019	3	22	Friday
2019-02-10	2019	2	10	Sunday
2019-03-27	2019	3	27	Wednesday
2019-03-12	2019	3	12	Tuesday
2019-02-14	2019	2	14	Thursday
2019-01-24	2019	1	24	Thursday

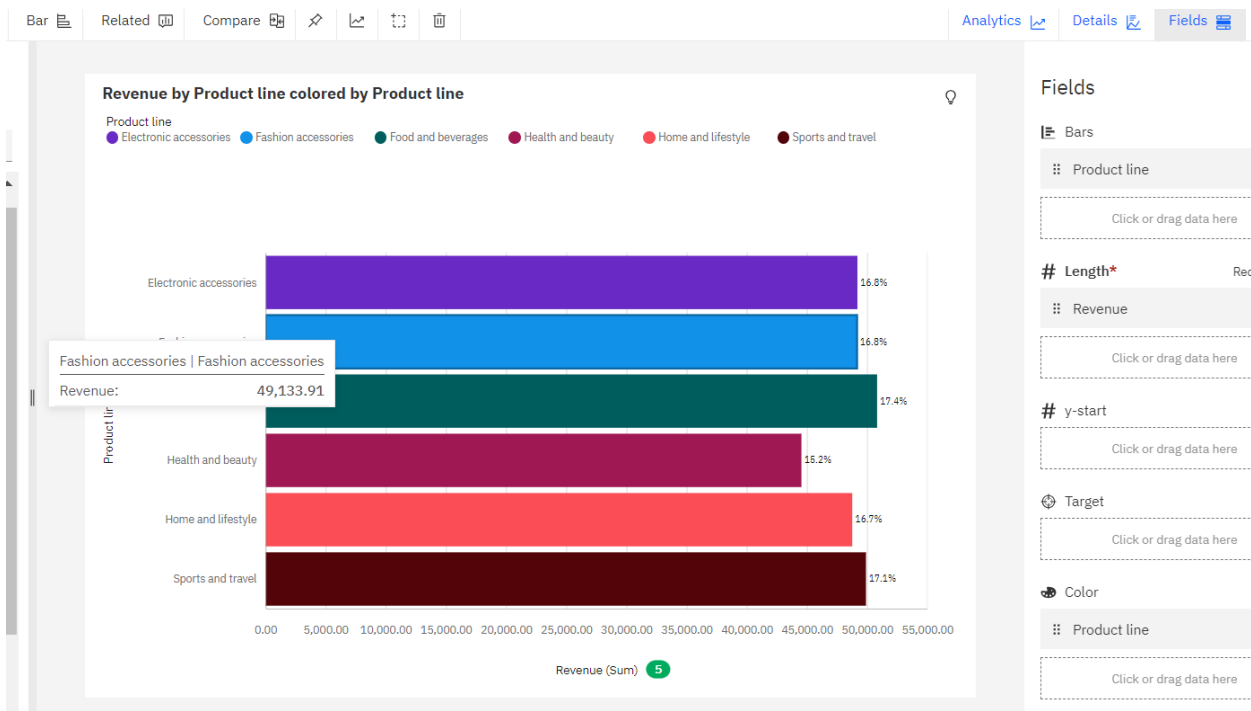
Cancel

Next

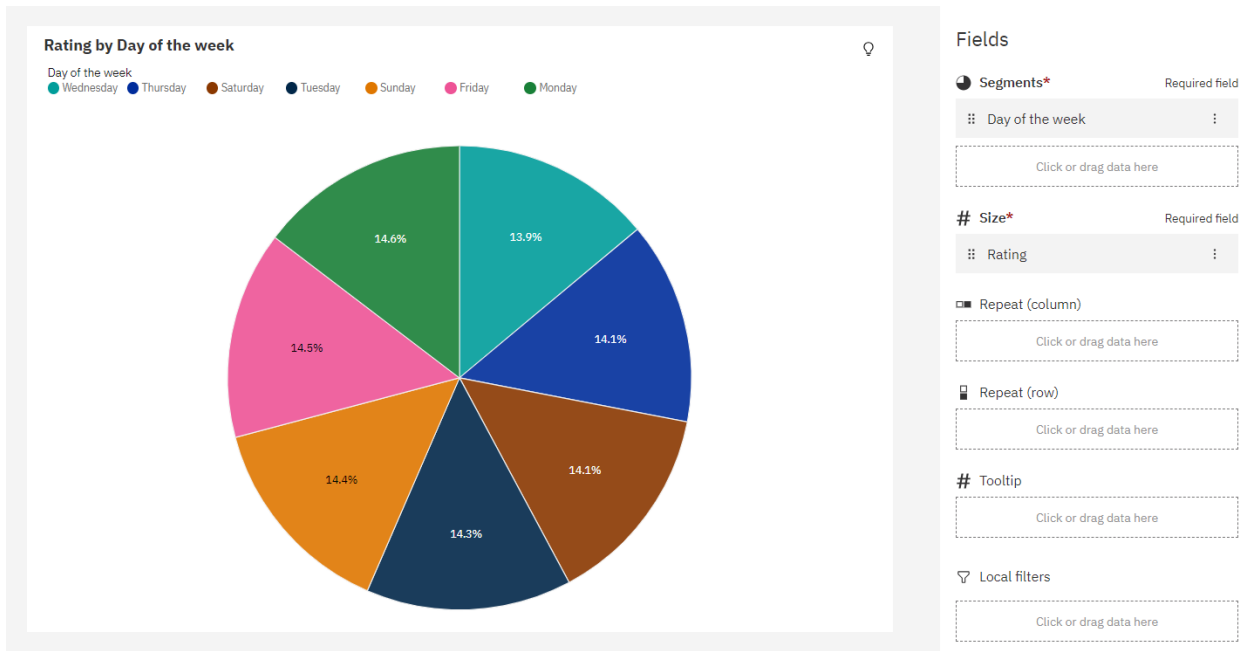
	Total	Date	Year	Month	Day	Day of the week
	548.9715	2019-01-05	2019	1	5	Saturday
	80.22	2019-03-08	2019	3	8	Friday
	340.5255	2019-03-03	2019	3	3	Sunday
	489.048	2019-01-27	2019	1	27	Sunday
	634.3785	2019-02-08	2019	2	8	Friday
	627.6165	2019-03-25	2019	3	25	Monday
	433.692	2019-02-25	2019	2	25	Monday
	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

VISUALIZATION OF THE DATASET :

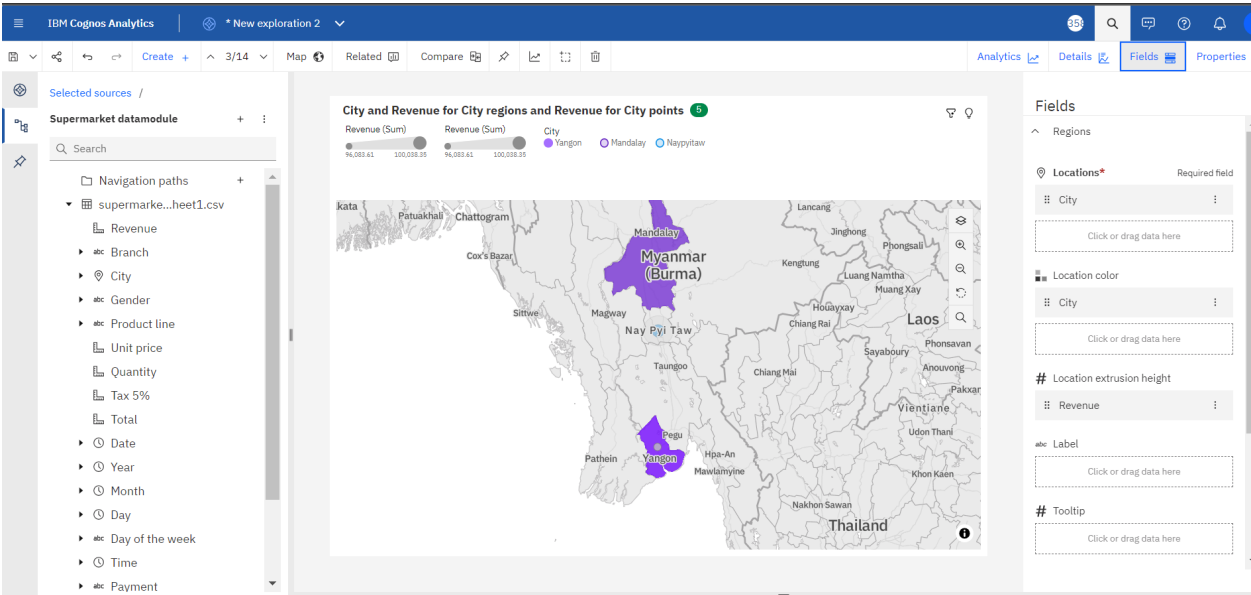
BAR CHART



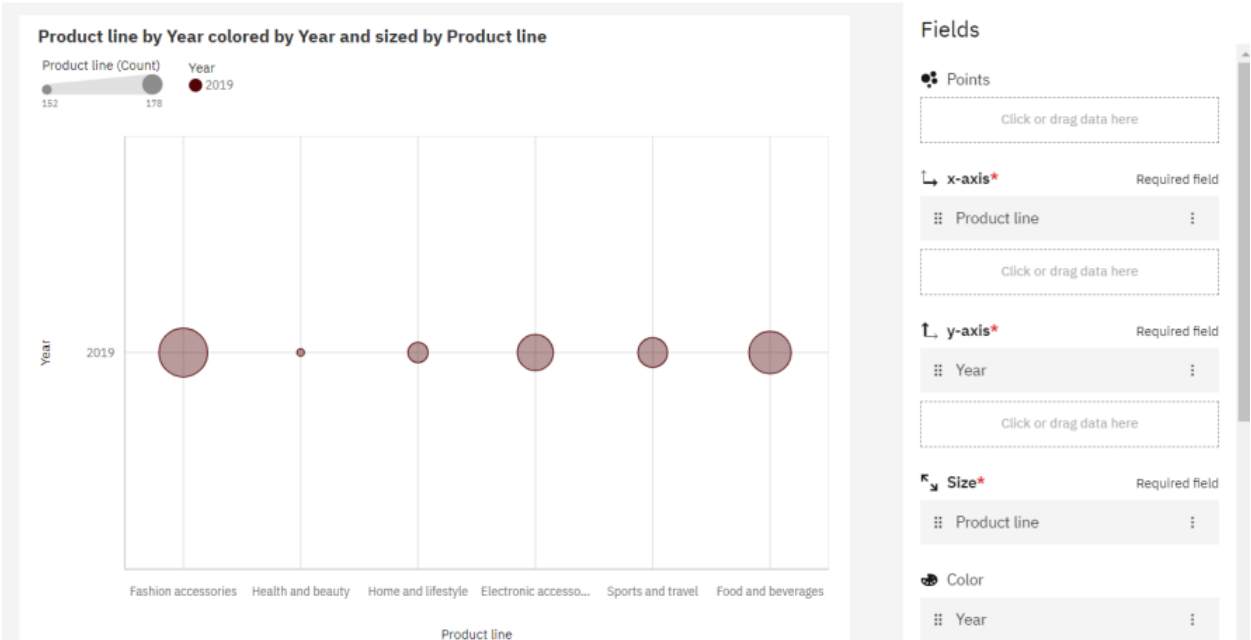
PIE CHART



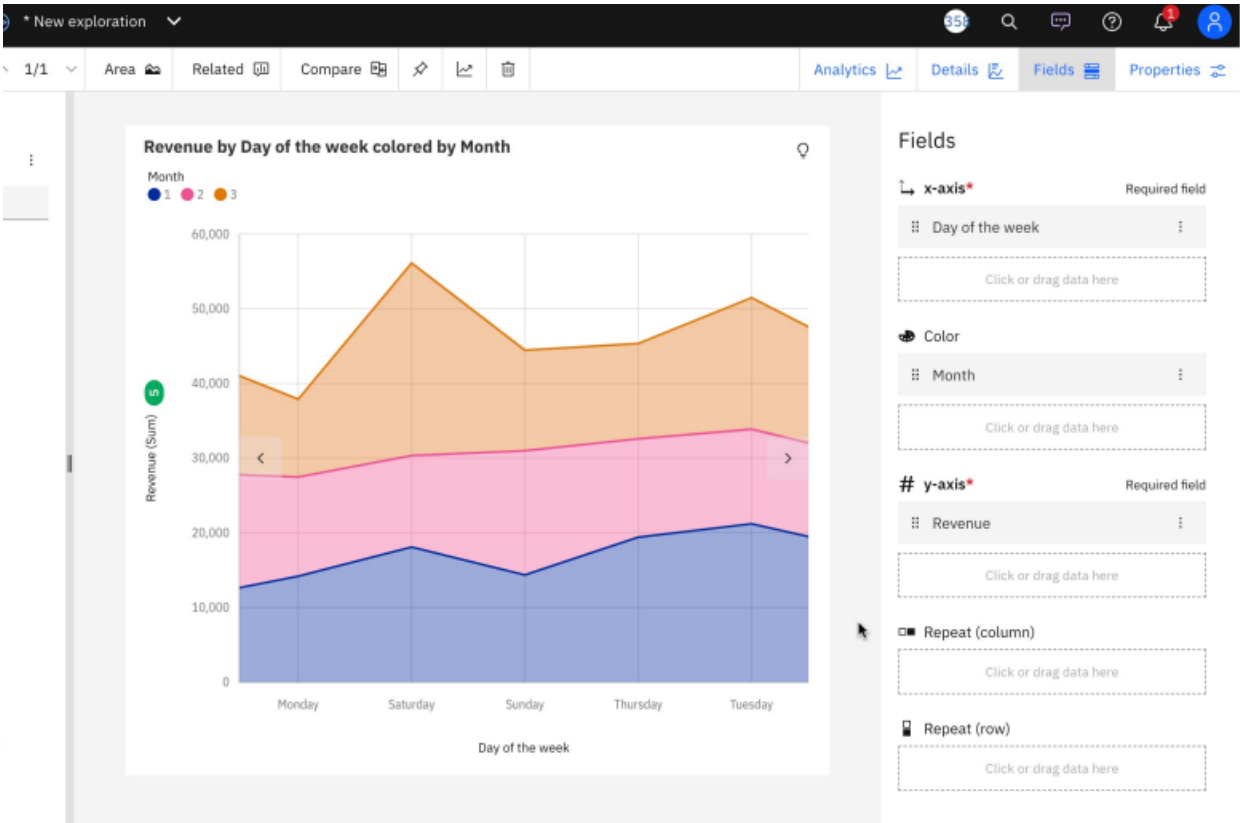
MAP



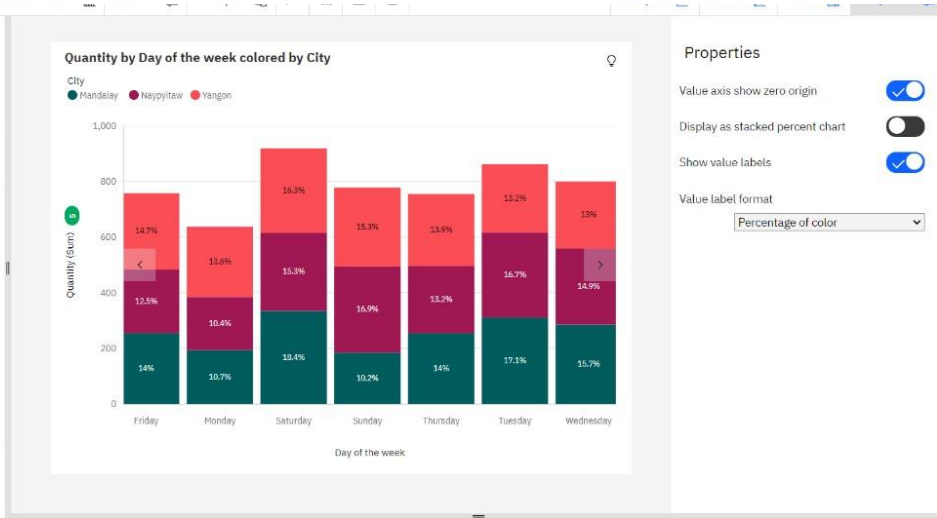
BUBBLE PLOT



AREA



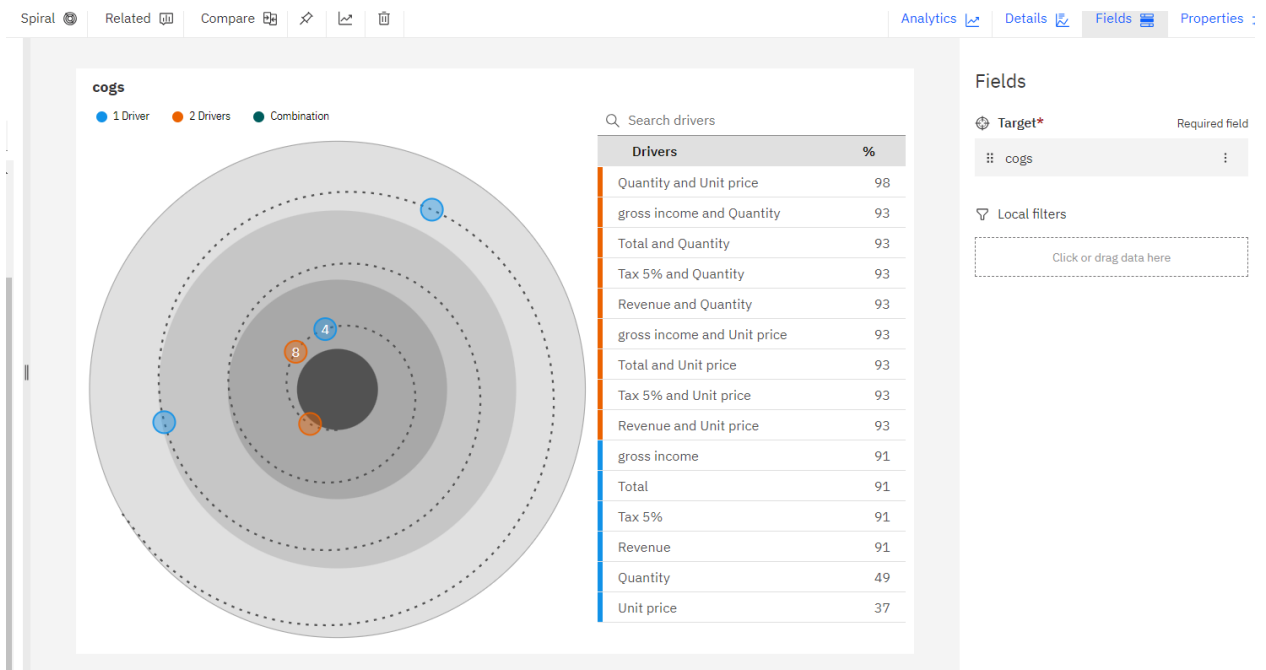
STACKED COLUMN



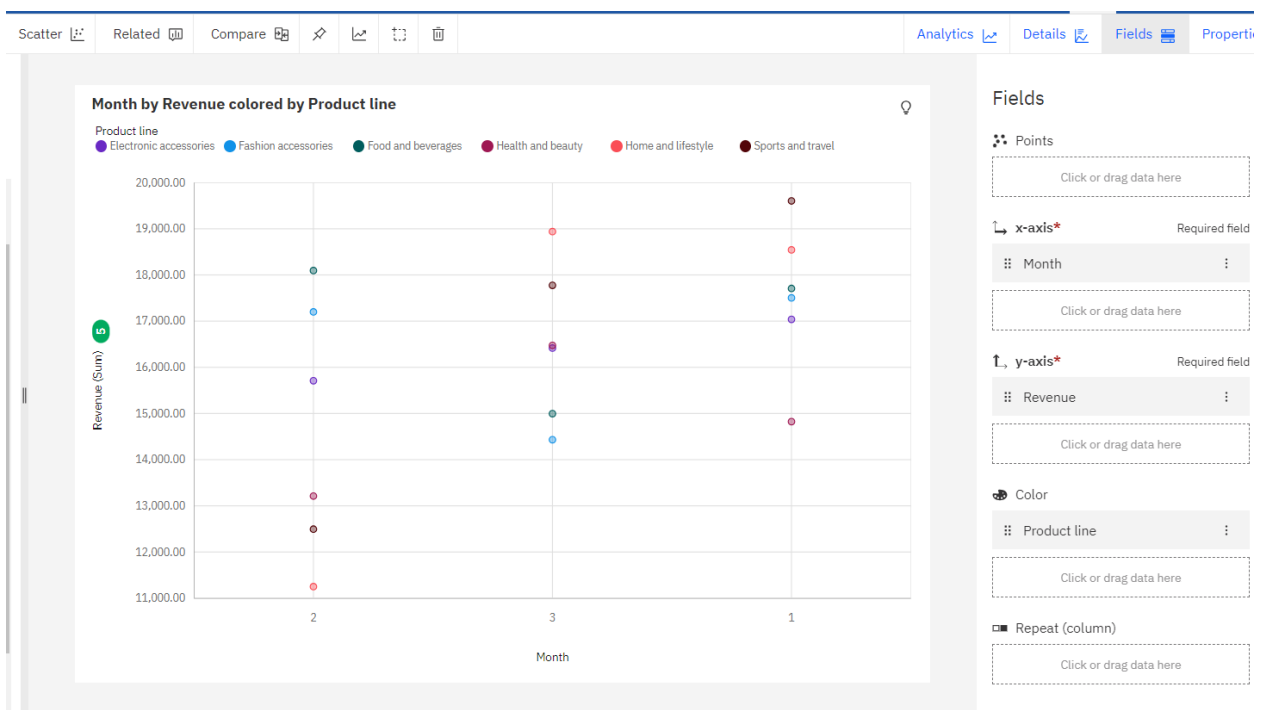
LINE AND COLUMN



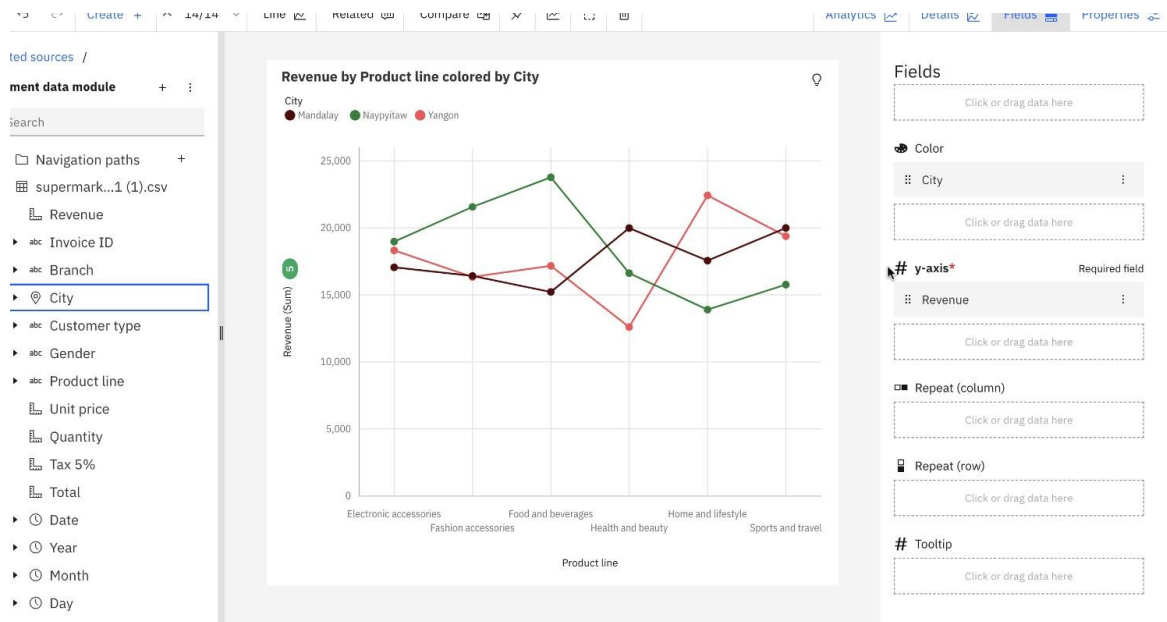
SPIRAL PLOT



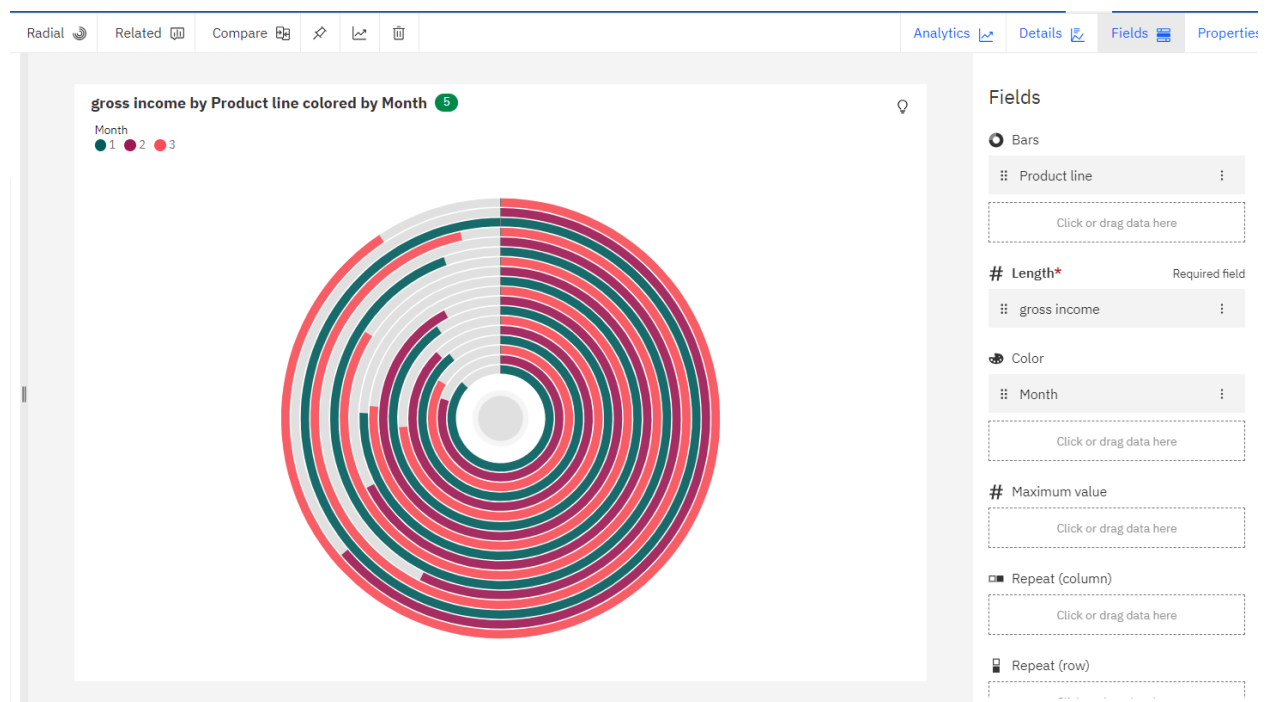
SCATTER PLOT



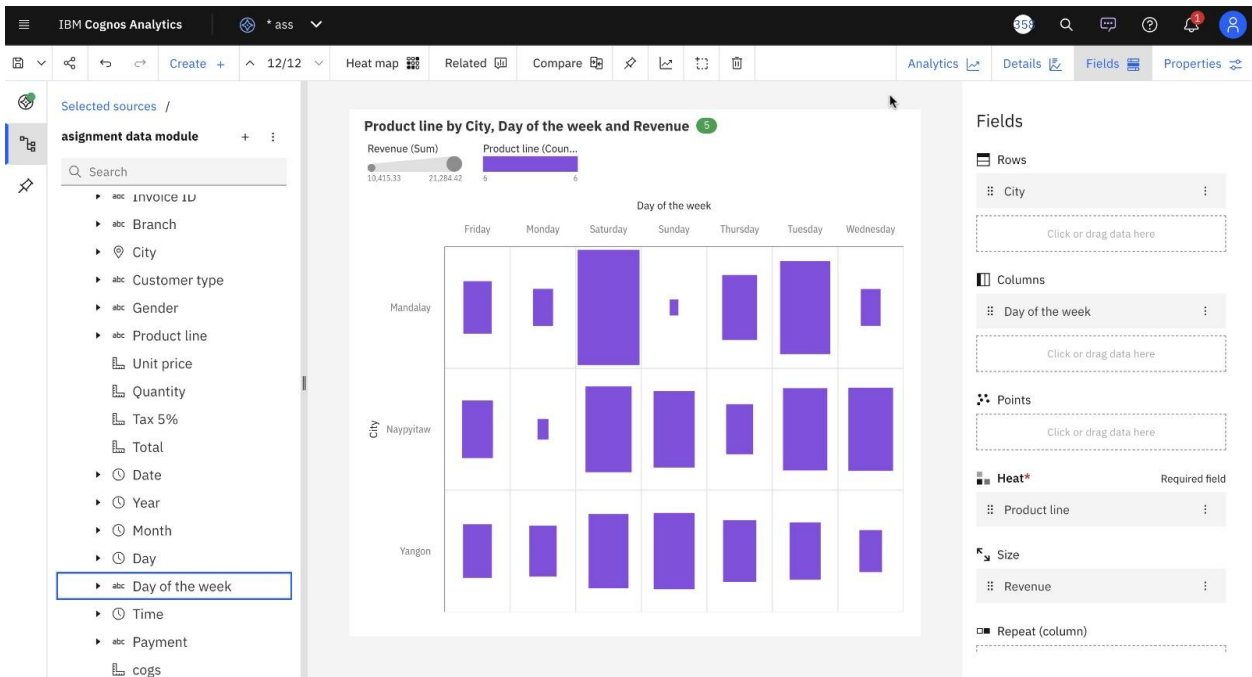
LINE PLOT



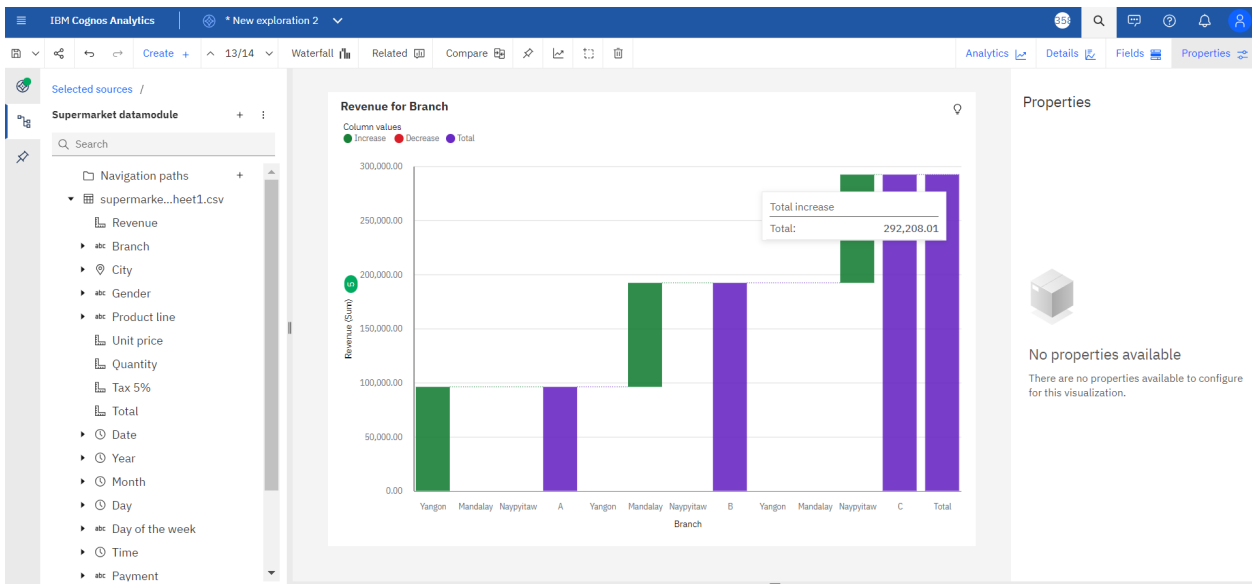
RADIAL



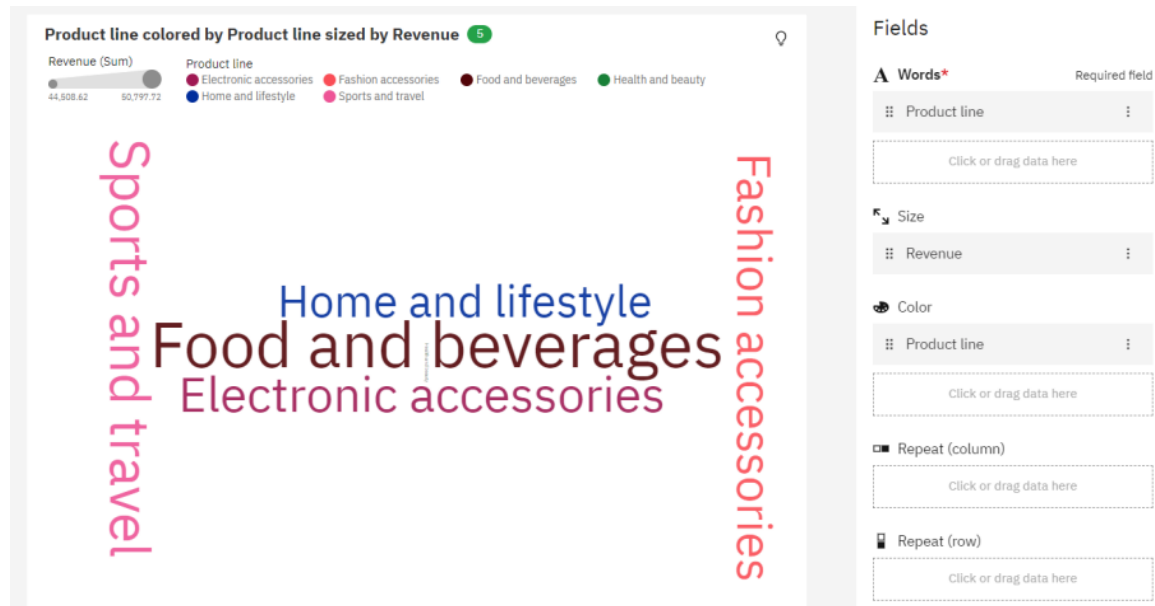
HEAT MAP



WATERFALL



WORD CLOUD



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