

# Data Analytics with IBM cognos Analytics

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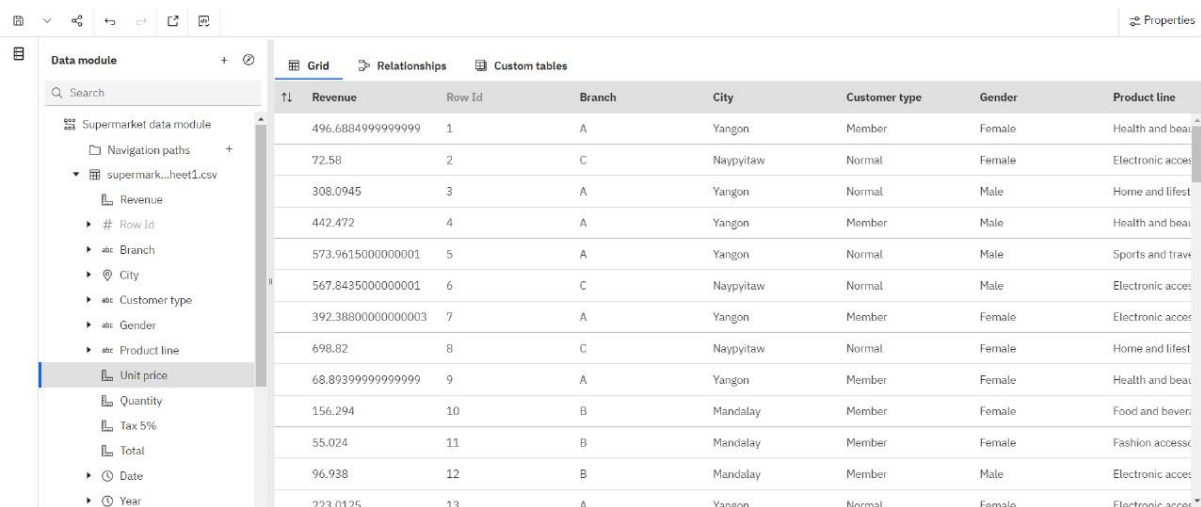
Regno : 21BCE7029

Branch : CSE

VIT-AP

## Removing unwanted column

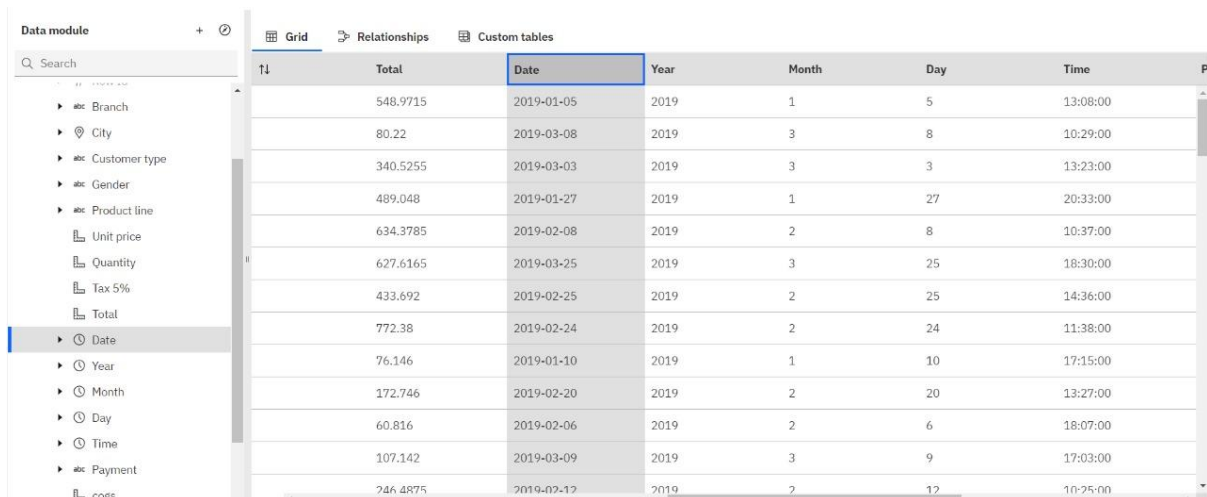
### Removed order id



The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' sidebar lists various fields from a 'supermarket1.csv' file. The 'Row Id' field is highlighted. The main grid displays a table with the following data:

Revenue	Row Id	Branch	City	Customer type	Gender	Product line
496.6884999999999	1	A	Yangon	Member	Female	Health and beauty
72.58	2	C	Naypyitaw	Normal	Female	Electronic accessories
308.0945	3	A	Yangon	Normal	Male	Home and lifestyle
442.472	4	A	Yangon	Member	Male	Health and beauty
573.9615000000001	5	A	Yangon	Normal	Male	Sports and travel
567.8435000000001	6	C	Naypyitaw	Normal	Male	Electronic accessories
392.38800000000003	7	A	Yangon	Member	Female	Electronic accessories
698.82	8	C	Naypyitaw	Normal	Female	Home and lifestyle
68.89399999999999	9	A	Yangon	Member	Female	Health and beauty
156.294	10	B	Mandalay	Member	Female	Food and beverage
55.024	11	B	Mandalay	Member	Female	Fashion accessories
96.938	12	B	Mandalay	Member	Male	Electronic accessories
223.0125	13	A	Yangon	Normal	Female	Electronic accessories

## Splitting column



The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' sidebar lists various fields from a 'cogs' file. The 'Date' field is highlighted. The main grid displays a table with the following data:

Total	Date	Year	Month	Day	Time	P.
548.9715	2019-01-05	2019	1	5	13:08:00	
80.22	2019-03-08	2019	3	8	10:29:00	
340.5255	2019-03-03	2019	3	3	13:23:00	
489.048	2019-01-27	2019	1	27	20:33:00	
634.3785	2019-02-08	2019	2	8	10:37:00	
627.6165	2019-03-25	2019	3	25	18:30:00	
433.692	2019-02-25	2019	2	25	14:36:00	
772.38	2019-02-24	2019	2	24	11:38:00	
76.146	2019-01-10	2019	1	10	17:15:00	
172.746	2019-02-20	2019	2	20	13:27:00	
60.816	2019-02-06	2019	2	6	18:07:00	
107.142	2019-03-09	2019	3	9	17:03:00	
246.4875	2019-02-12	2019	2	12	10:25:00	

## Adding column

**Edit calculation**

Name: Revenue

Components

Expression:  $1 \text{ (Unit\_price * Quantity) - Tax\_5}$

Validation Results:   
 The expression is valid.

☐ Calculate after aggregation

Cancel OK

**Data module**

Search

Supermarket data module

Navigation paths

supermark...heet1.csv

Revenue

# Row Id

Branch

City

Customer type

Gender

Product line

Unit price

Quantity

Tax 5%

Total

Date

Revenue	Row Id	Branch	City	Customer type	Gender	Product line
496.6884999999999	1	A	Yangon	Member	Female	Health and beauty
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## Exploration

### Choosing a Visualization type :

**IBM Cognos Analytics**

\* New exploration

Analytics Details Fields Properties

**Cards**

1

**Data relationships**

**Choose visualization type**

Comparison

Bar Bullet Column Heat map Line and column Marimekko Radar Radial Stacked bar Stacked column Word cloud

Parts to whole

Hierarchy bubble Packed bubble Pie Tree map

Trend

Area Box plot Line Line and column Point Radial Waterfall

Relationships

Bubble Heat map Network Scatter

Tables and summary

Crosstab List Summary Table

Advanced analytics

Association Driver Pattern Process

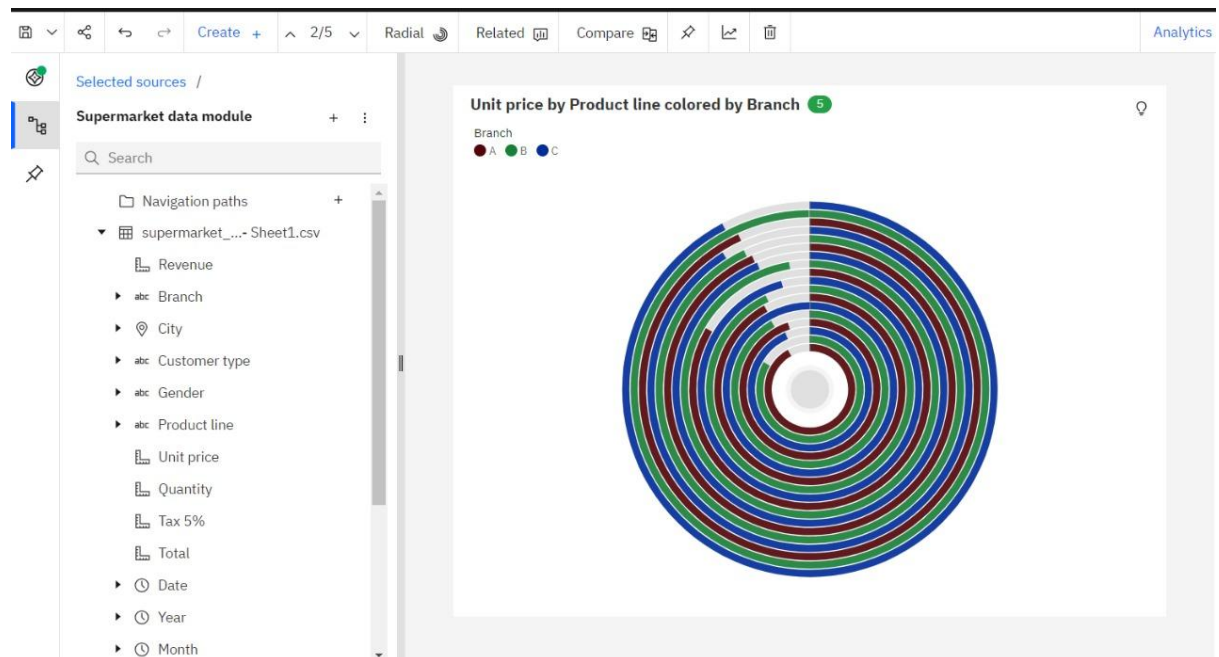
Geospatial

Location Map

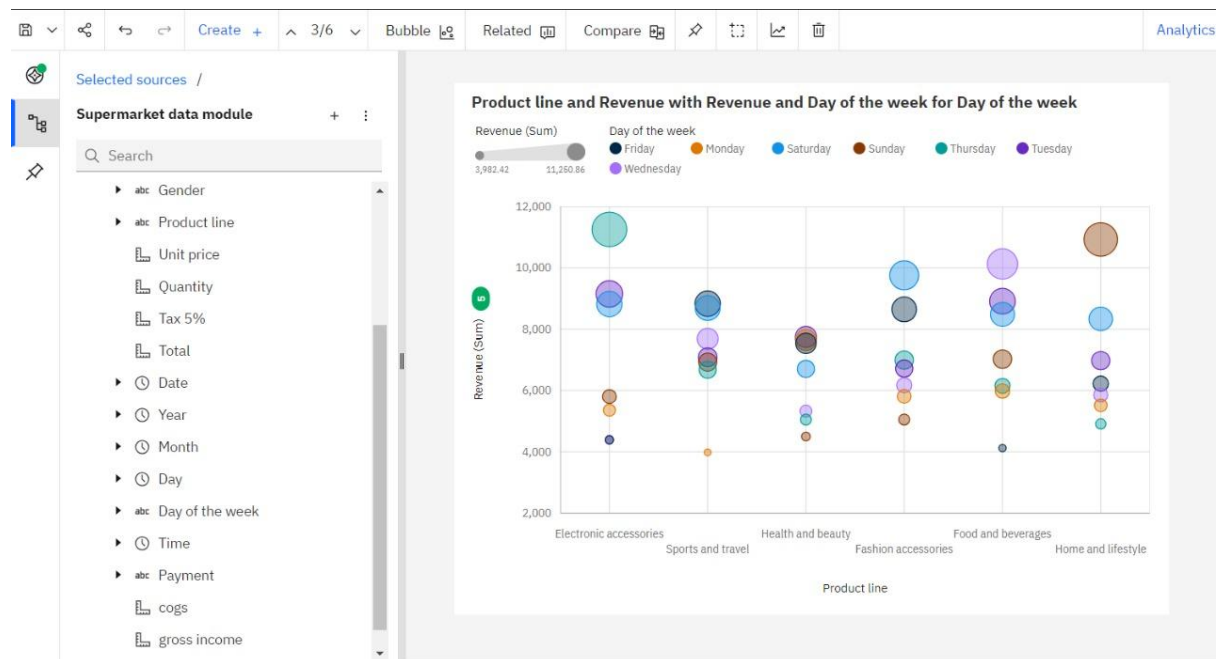
Other

Filter

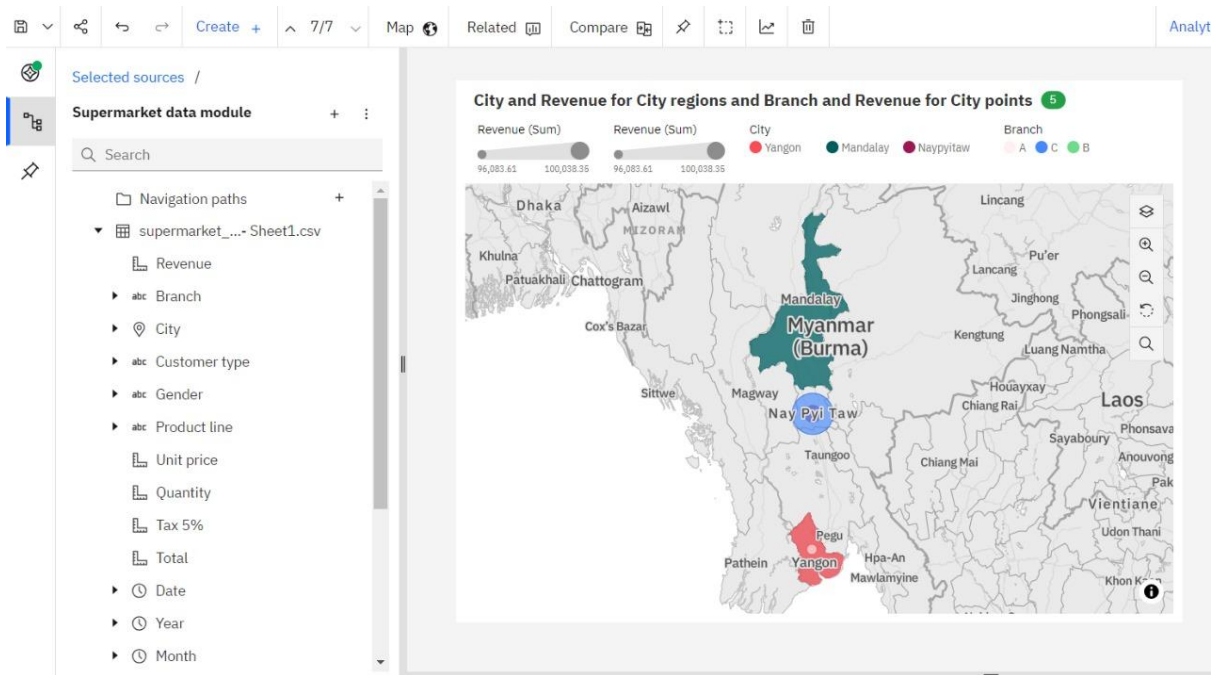
## 1)Radial



## 2)Bubble



## 3)Map

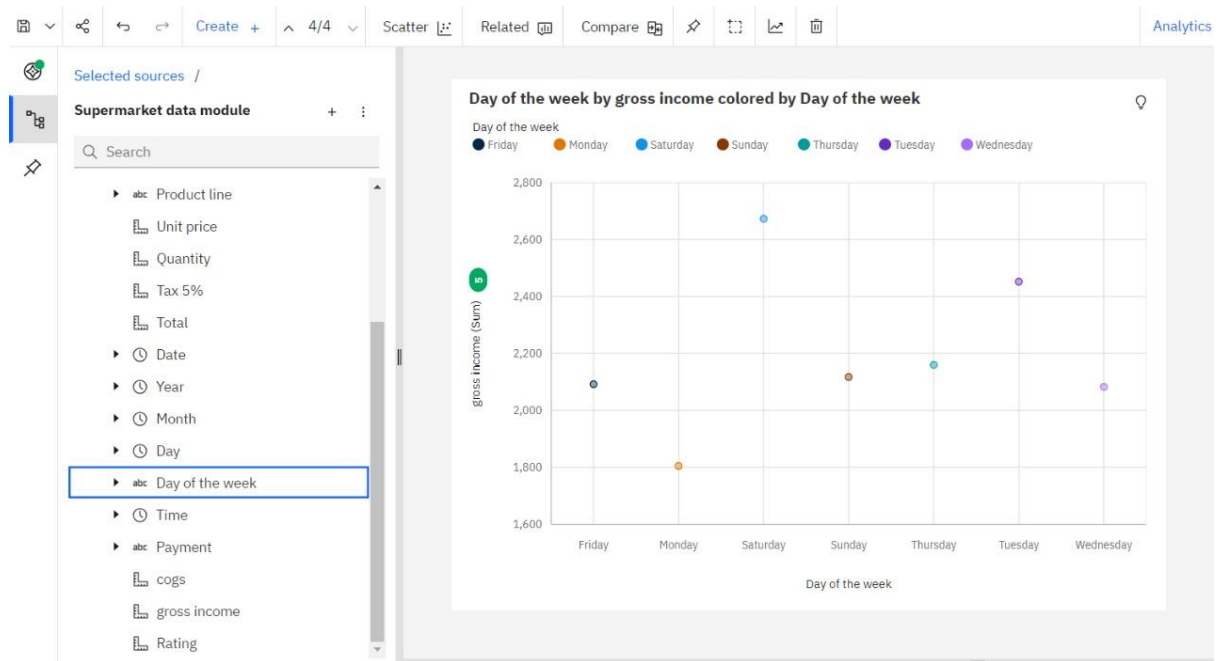


#### 4)Line and column

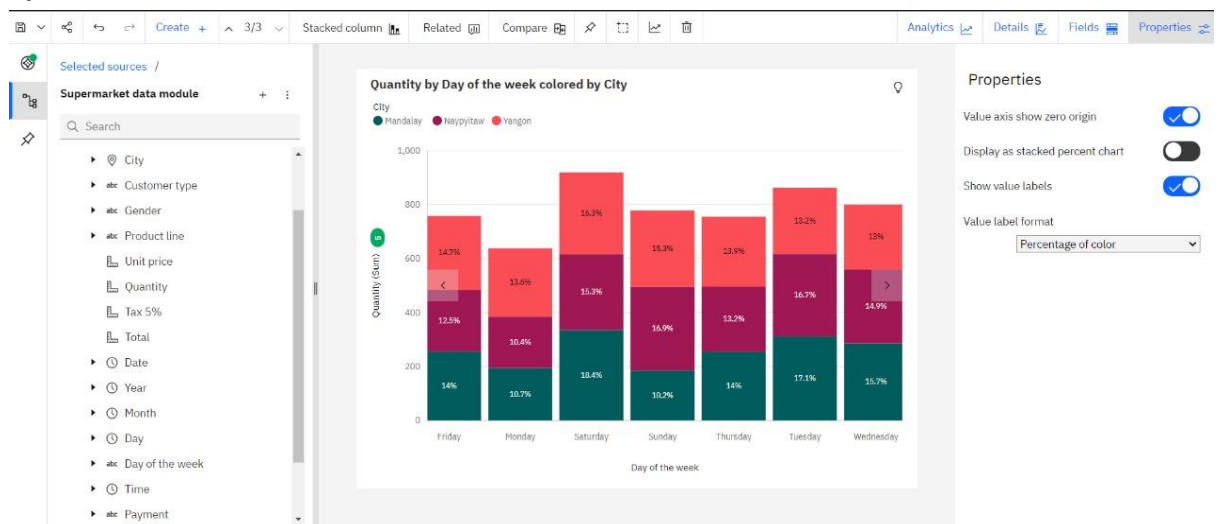


#### 5)Area

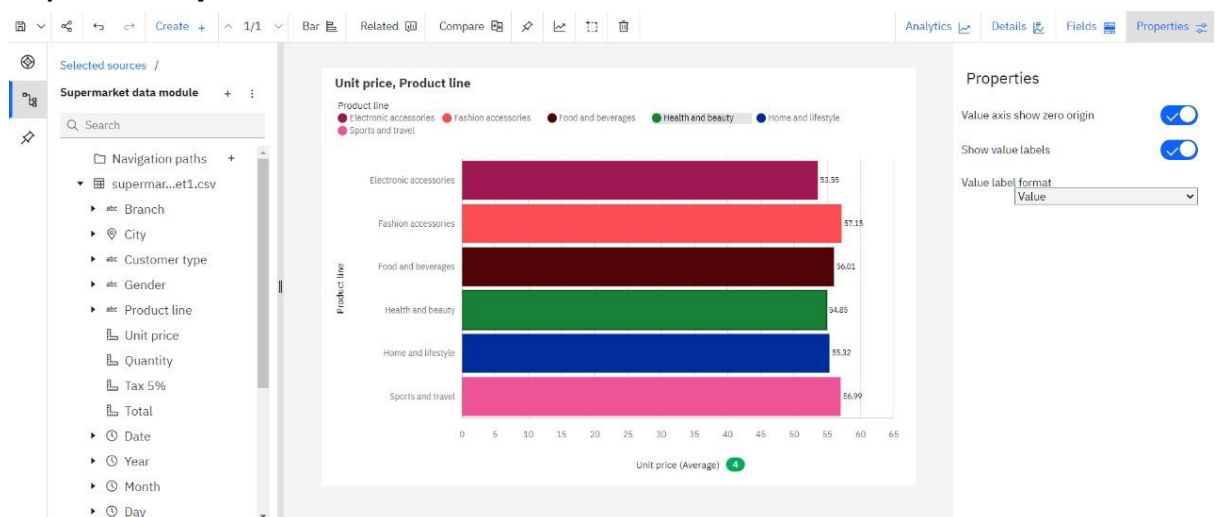




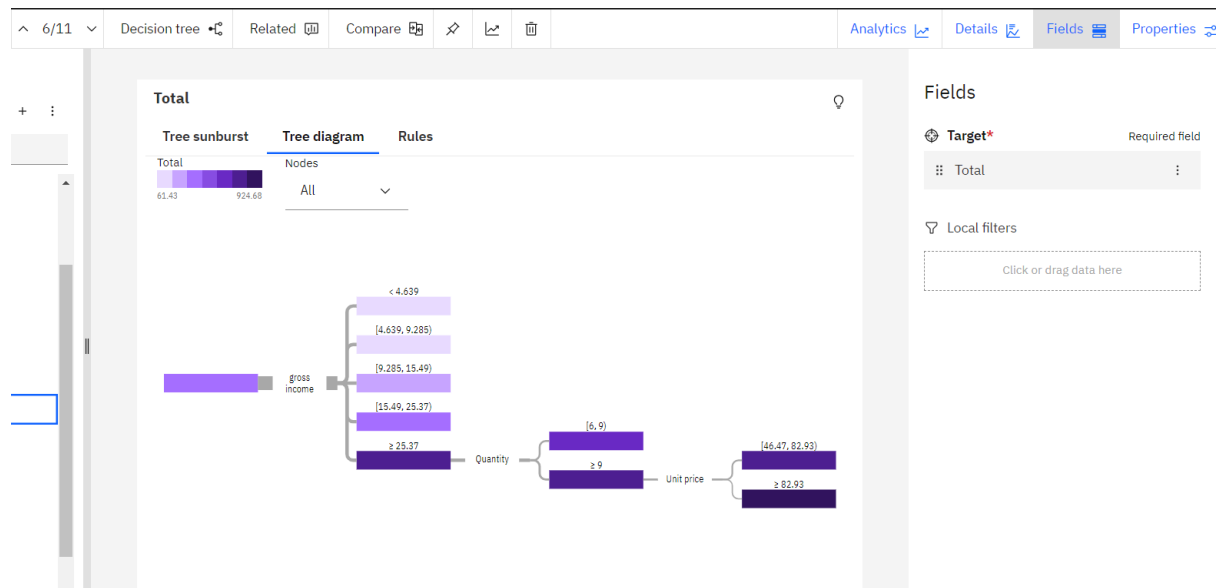
## 9) Stacked column



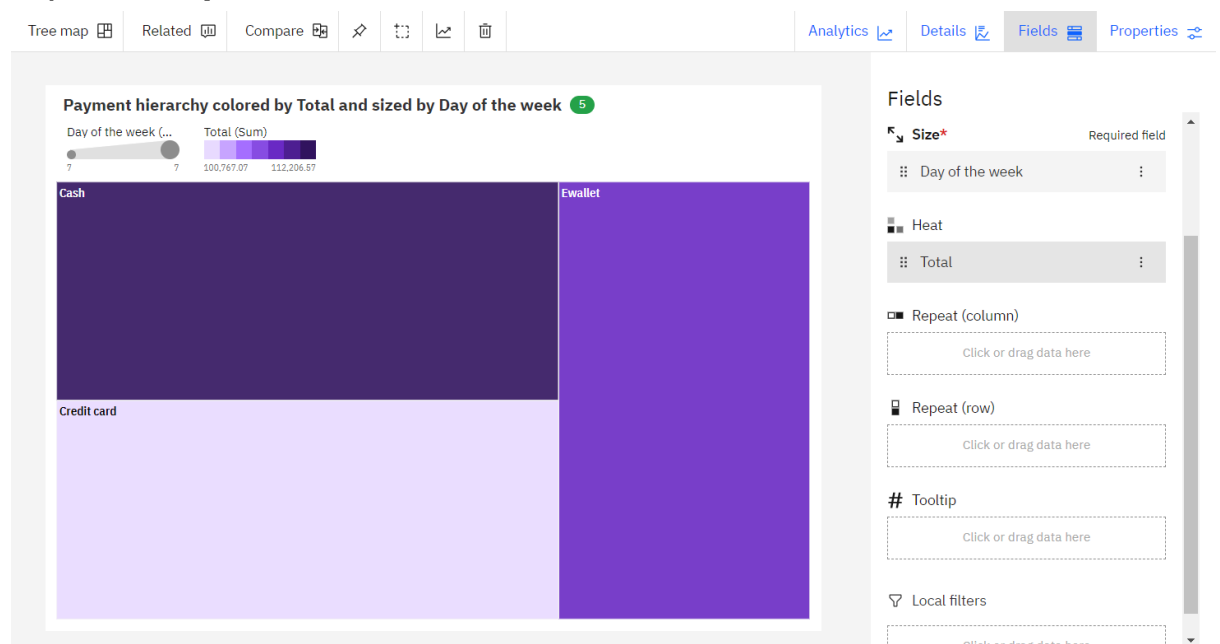
## 10) Bar Graph



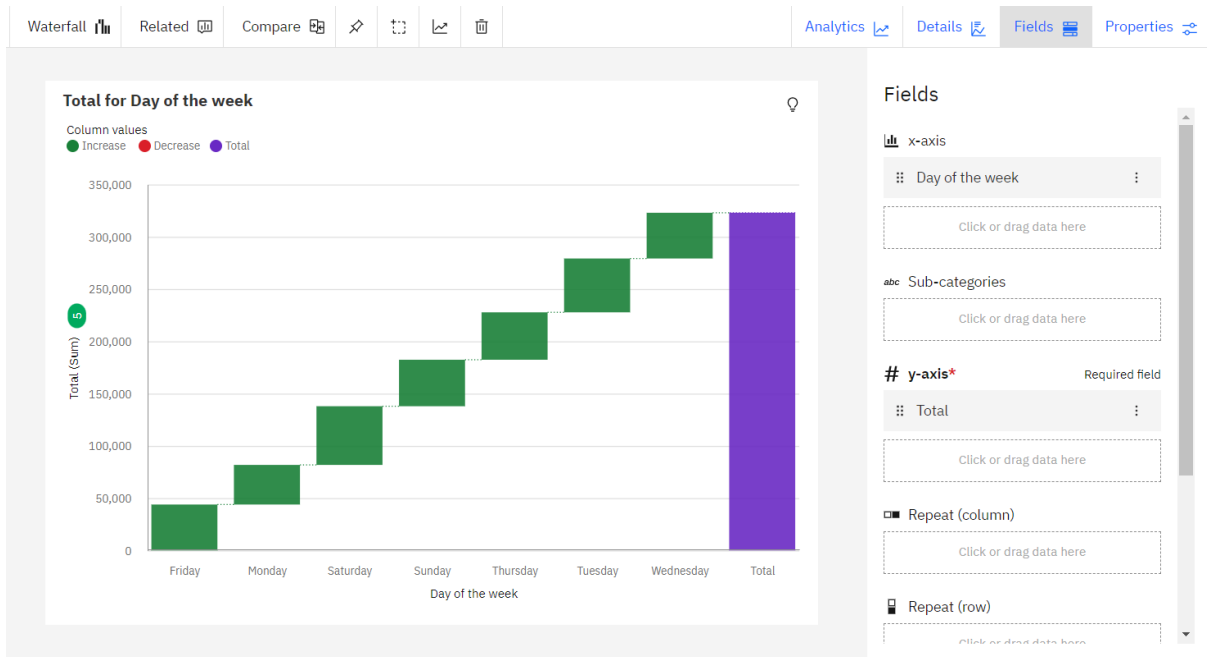
## 11)Decision Tree



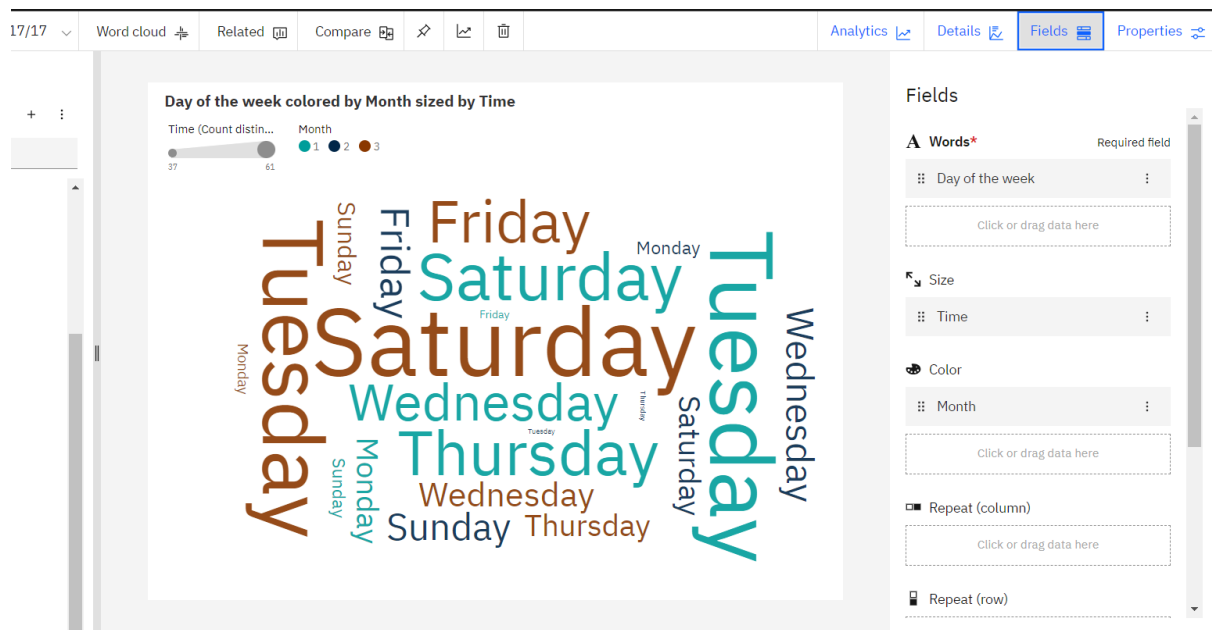
## 12) Tree map



### 13) Waterfall model



## 14) Word Cloud



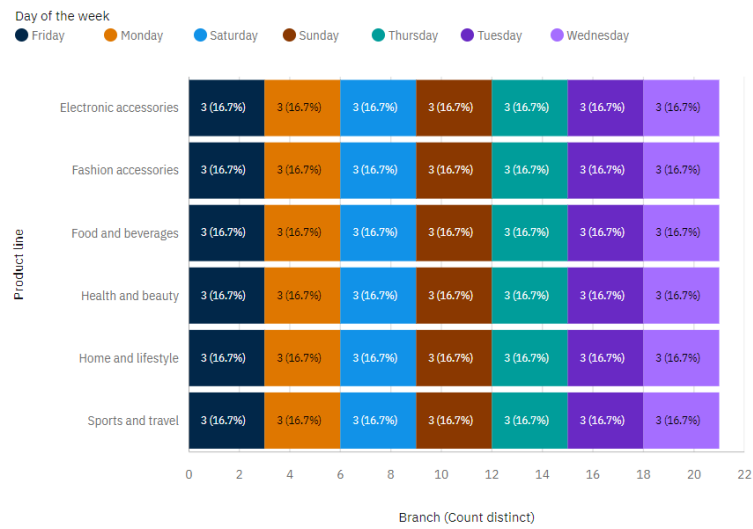
## 15) Stacked bar



F



### Branch by Product line colored by Day of the week



### Properties

- Value axis show zero origin
- Display as stacked percent chart
- Show value labels
- Value label format
  - Value and percentage