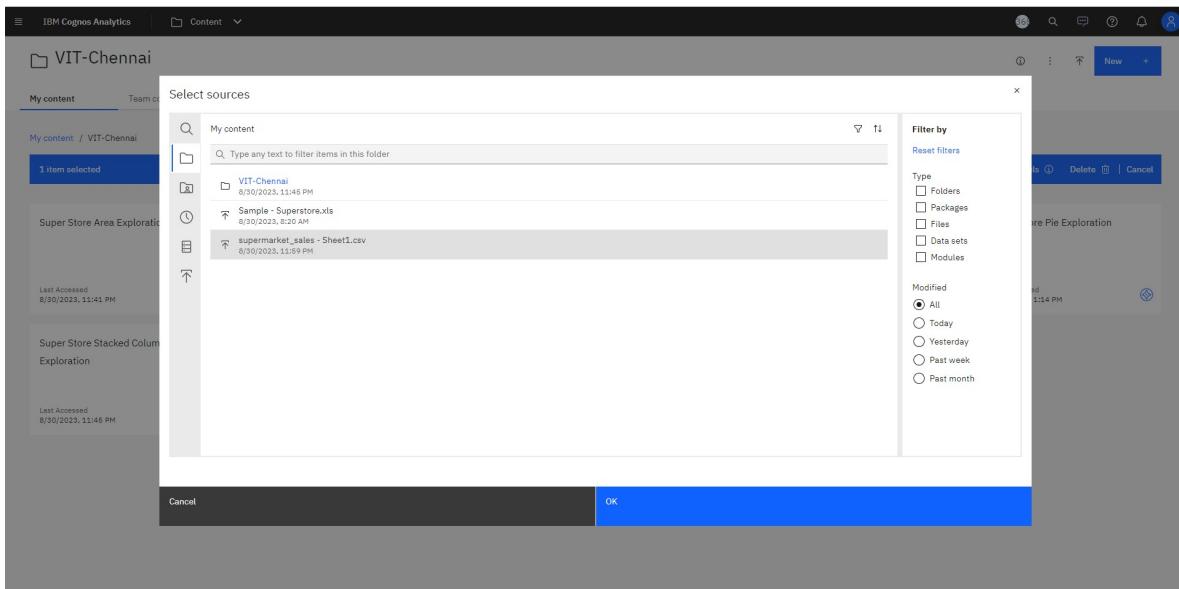


DA - Assignment - 1

Name :-- Veera Vishnu
Reg No. :-- 21BRS1683

STEP - 1 :-- DATASET UPLOAD

Uploading the DataSet That is given to complete the Assignment



Check if the DataSet is uploaded .

STEP 2 :-- DELETE UNNECESSARY COLUMNS

Open the DataSet uploaded in IBM cognos analytics. Select and delete the columns that are not needed for your analysis based on the assignment's instructions. In this case, you can likely delete the "Invoice id," "COGS," "Gross margin percentage," and "Gross income" columns as they might not be required for visualization.

Right Click & Choose the "remove" option for the columns that are unnecessary for your analysis .

IBM Cognos Analytics - New data module

Grid Relationships Custom tables

T1	Row ID	Invoice ID	Branch	City	Customer type	Gender	Product line	Unit price	Quantity	Tax %
1	750	750	750	Yangon	Member	Female	Health and beauty	7,649	7	26.1415
2	226	226	226	Naypyitaw	Normal	Female	Electronic accessories	15.28	5	3.82
3	631	631	631	Yangon	Normal	Male	Home and lifestyle	46.33	7	16.2155
4	123	123	123	Yangon	Member	Male	Health and beauty	58.22	8	23.288
5	373	373	373	Yangon	Normal	Male	Sports and travel	86.31	7	30.2085
6	699	699	699	Naypyitaw	Normal	Male	Electronic accessories	65.39	7	29.8865
7	355	355	355	Yangon	Member	Female	Electronic accessories	68.84	6	20.652
8	315	315	315	Naypyitaw	Normal	Female	Home and lifestyle	73.56	10	36.78
9	665	665	665	Yangon	Member	Female	Health and beauty	36.26	2	3.626
10	692-92-5582	B	B	Mandalay	Member	Female	Food and beverages	54.84	3	8.226
11	351-62-0822	B	B	Mandalay	Member	Female	Fashion accessories	14.48	4	2.896
12	529-56-3974	B	B	Mandalay	Member	Male	Electronic accessories	25.51	4	5.302
13	365-64-0515	A	A	Yangon	Normal	Female	Electronic accessories	45.95	5	11.7375
14	282-56-2699	A	A	Yangon	Normal	Male	Food and beverages	43.19	10	21.595
15	829-34-3910	A	A	Yangon	Normal	Female	Health and beauty	71.38	10	35.69
16	299-46-1805	B	B	Mandalay	Member	Female	Sports and travel	93.72	6	28.116
17	656-95-9349	A	A	Yangon	Member	Female	Health and beauty	68.93	7	24.1255
18	765-26-6951	A	A	Yangon	Normal	Male	Sports and travel	72.61	6	21.783
19	329-62-1586	A	A	Yangon	Normal	Male	Food and beverages	54.67	3	8.2005

IBM Cognos Analytics - New data module

Grid Relationships Custom tables

T1	Payment	cogs	gross margin percentage	gross income	Rating
1	Ewallet	522	Filter...	26.1415	9.1
1	Cash	76.4	Create calculation...	3.82	9.6
1	Credit card	324	>Create data group...	16.2155	7.4
1	Ewallet	465	Remove	23.288	8.4
1	Ewallet	604	Format data...	30.2085	5.3
1	Ewallet	597	Clean...	29.8865	4.1
1	Ewallet	413	Sort descending	20.652	5.8
1	Ewallet	735	Sort ascending	36.78	8
1	Credit card	72.52	Properties	3.626	7.2
1	Credit card	164.52	4.761904762	8.226	5.9
1	Ewallet	57.92	4.761904762	2.896	4.5
1	Cash	102.04	4.761904762	5.102	6.8
1	Ewallet	234.75	4.761904762	11.7375	7.1
1	Ewallet	431.9	4.761904762	21.595	8.2
1	Cash	713.8	4.761904762	35.69	5.7
1	Cash	562.32	4.761904762	28.116	4.5
1	Credit card	482.51	4.761904762	24.1255	4.6
1	Credit card	435.66	4.761904762	21.783	4.6

IBM Cognos Analytics - New data module

Grid Relationships Custom tables

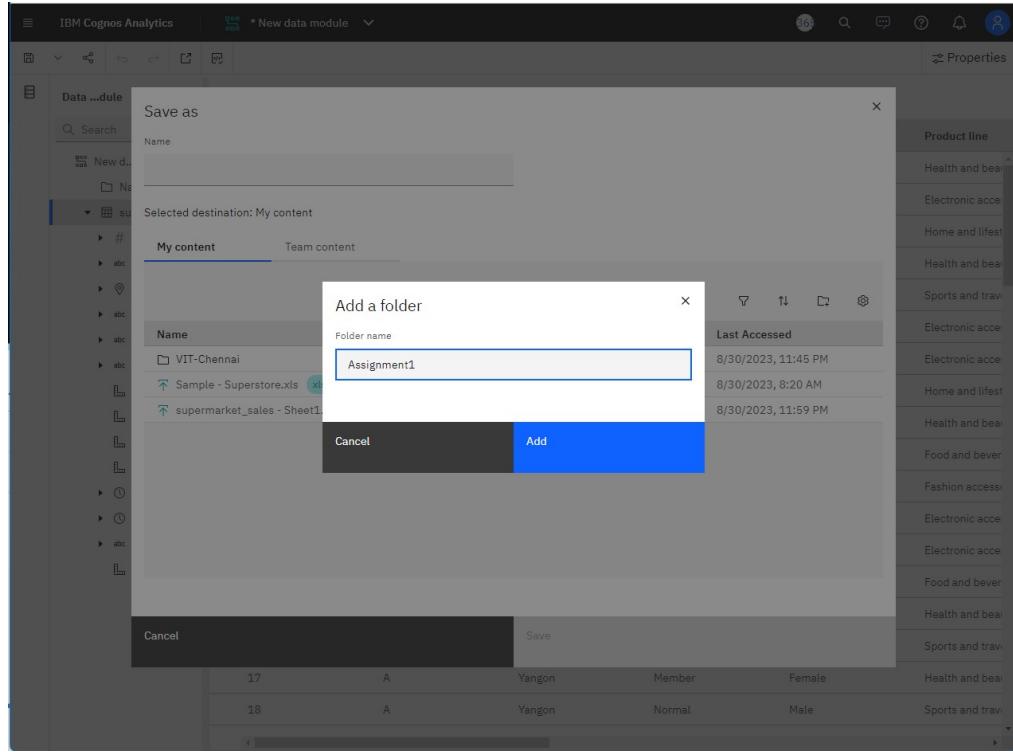
T1	Time	Payment	gross margin percentage	gross income	Rating
-5	13:08:00	Ewallet	4.761904762	Filter...	9.1
-8	10:29:00	Cash	4.761904762	Create calculation...	9.6
-3	13:23:00	Credit card	4.761904762	Create data group...	7.4
-27	20:33:00	Ewallet	4.761904762	Remove	8.4
-8	10:37:00	Ewallet	4.761904762	Format data...	5.3
-25	18:30:00	Ewallet	4.761904762	Clean...	4.1
-25	14:36:00	Ewallet	4.761904762	Sort descending	5.8
-24	11:38:00	Ewallet	4.761904762	Sort ascending	8
-10	17:15:00	Credit card	4.761904762	Properties	7.2
-20	13:27:00	Credit card	4.761904762	3.626	5.9
-6	18:07:00	Ewallet	4.761904762	2.896	4.5
-9	17:03:00	Cash	4.761904762	5.102	6.8
-12	10:25:00	Ewallet	4.761904762	11.7375	7.1
-7	16:48:00	Ewallet	4.761904762	21.595	8.2
-29	19:21:00	Cash	4.761904762	35.69	5.7
-15	16:19:00	Cash	4.761904762	28.116	4.5
-11	11:03:00	Credit card	4.761904762	24.1255	4.6
-1	10:39:00	Credit card	4.761904762	21.783	4.6

IBM Cognos Analytics - New data module

Grid Relationships Custom tables

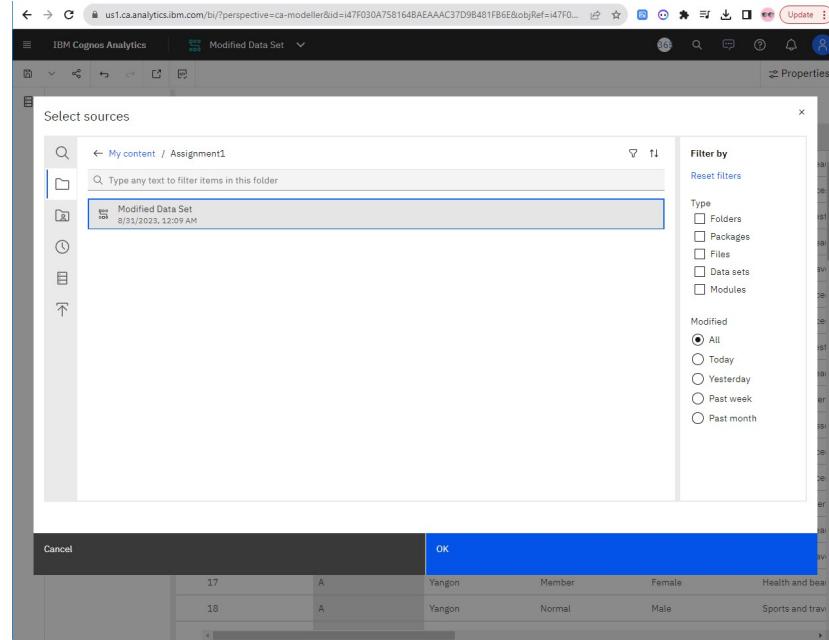
T1	Date	Time	Payment	gross income	Rating
5	2019-01-05	13:08:00	Ewallet	26.1415	Filter...
	2019-03-08	10:29:00	Cash	3.82	Create calculation...
5	2019-03-03	13:23:00	Credit card	16.2155	Create data group...
	2019-01-27	20:33:00	Ewallet	23.288	Remove
5	2019-02-08	10:37:00	Ewallet	30.2085	Format data...
5	2019-03-25	18:30:00	Ewallet	29.8865	Clean...
	2019-02-25	14:36:00	Ewallet	20.652	Sort descending
	2019-02-24	11:38:00	Ewallet	36.78	Sort ascending
	2019-01-10	17:15:00	Credit card	3.626	Properties
	2019-02-20	13:27:00	Credit card	8.226	7.2
	2019-02-06	18:07:00	Ewallet	2.896	5.9
	2019-03-09	17:03:00	Cash	5.102	4.5
5	2019-02-12	10:25:00	Ewallet	11.7375	6.8
	2019-02-07	16:48:00	Ewallet	21.595	7.1
	2019-03-29	19:21:00	Cash	35.69	8.2
	2019-01-15	16:19:00	Cash	28.116	5.7
5	2019-03-11	11:03:00	Credit card	24.1255	4.5
	2019-01-01	10:39:00	Credit card	21.783	4.6

Save the modified dataset.



STEP - 3 :-- CREATING DATA MODULES

Select the modified dataset you uploaded earlier as the source for your Data Module.



Let's split the "DATE" columns and create 4 new columns . To create this , In the DataModule > (Go to) state > Right Click > "split" .

IBM Cognos Analytics | Modified Data Set

Maintenance: The upgrade is now complete. Click on More Info to see what actions may be necessary and to subscribe to future events

Dismiss More info → Properties

Data module

Grid Relationships Custom tables

Search

Modified Data Set

- Navigation paths
- # Row Id
- Branch
- City
- Customer type
- Gender
- Product line
- Unit price
- Quantity
- Tax %
- Total
- Date
- Time
- Payment
- Rating

T1	Total	Date	Payment	Rating
	548.9715	2019-01-05	Ewallet	9.1
	80.22	2019-03-08	Cash	9.6
	340.5255	2019-03-03	Ewallet	7.4
	489.048	2019-01-27	Format data...	8.4
	634.3785	2019-02-08	Remove	5.3
	627.6165	2019-03-25	Sort descending	4.1
	433.692	2019-02-25	Sort ascending	5.8
	772.38	2019-02-24	Properties	4.5
	76.146	2019-01-10	Ewallet	8
	172.746	2019-02-20	Credit card	7.2
	60.816	2019-02-06	Credit card	5.9
	107.142	2019-03-09	Ewallet	4.6
	246.4875	2019-02-12	Ewallet	7.1
	453.495	2019-02-07	Ewallet	8.2
	749.49	2019-03-29	Cash	5.7
	590.436	2019-01-15	Cash	4.5
	506.6355	2019-03-11	Credit card	4.6

Now , Save the DATA MODULE .

IBM Cognos Analytics | * Modified Data Set

Data module

Grid Relationships Custom tables

Search

Modified Data Set

- Navigation paths
- # Row Id
- Branch
- City
- Customer type
- Gender
- Product line
- Unit price
- Quantity
- Tax %
- Total
- Date
- Day of the week
- Time
- Payment

Edit split column - Date

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

Year Month Day

2019 1 5 Include the day of the week

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

749.49	2019-03-29	Friday	19:21:00	Cash
590.436	2019-01-15	Tuesday	16:19:00	Cash
506.6355	2019-03-11	Monday	11:03:00	Credit card
457.443	2019-01-01	Tuesday	10:39:00	Credit card

IBM Cognos Analytics | Content

Content

Add a data source to explore

My content Team content

My content / Assignment1

Name Type Last Accessed

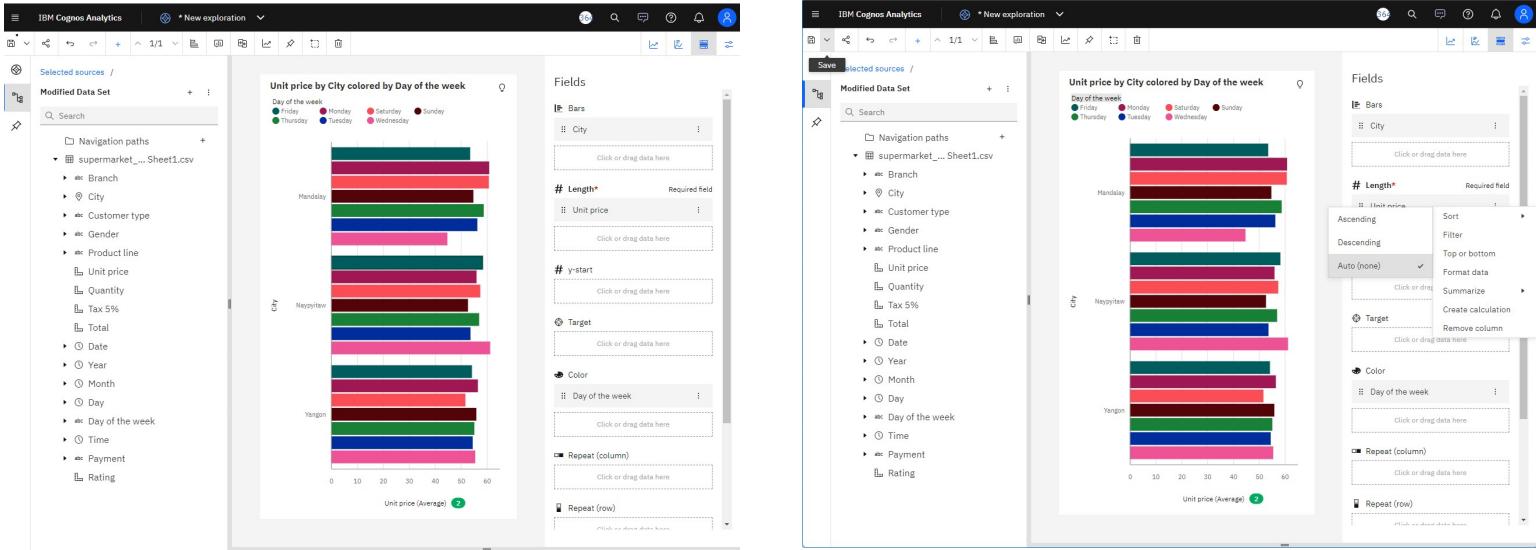
Modified Data Set Data module 8/31/2023, 1:57 AM

Summarize Translate

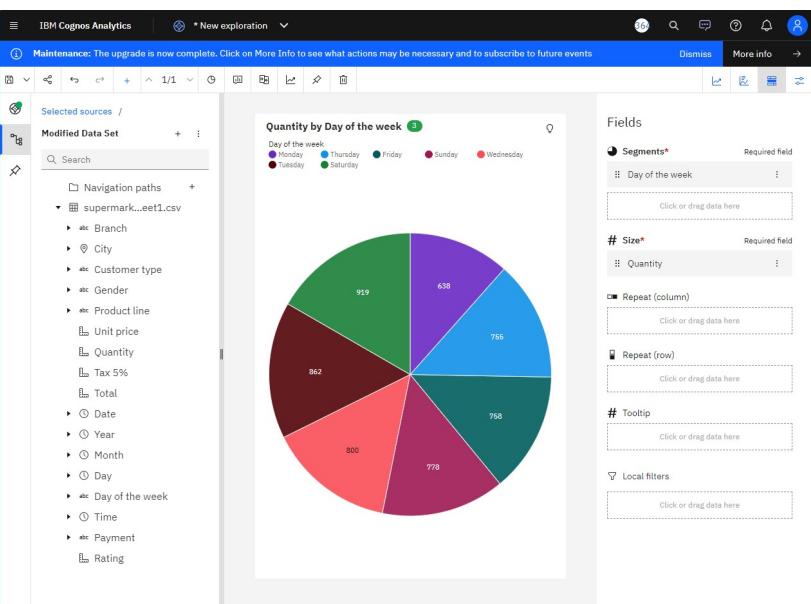
Cancel Add

STEP 4: EXPLORE & VISUALIZE THE DATASET .

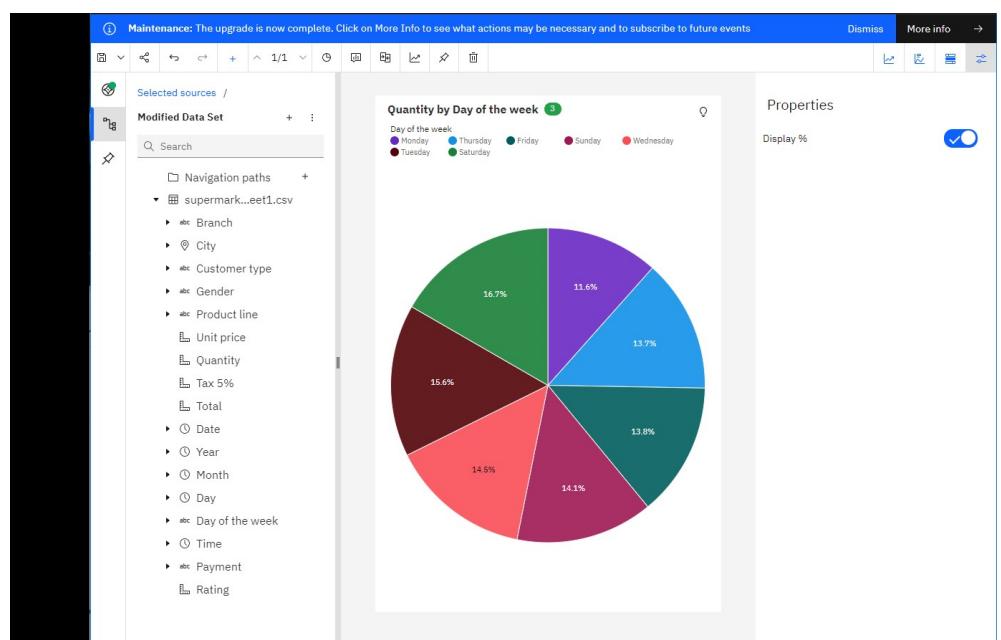
(1) Bar Chart :-



(2) Pie Chart :-

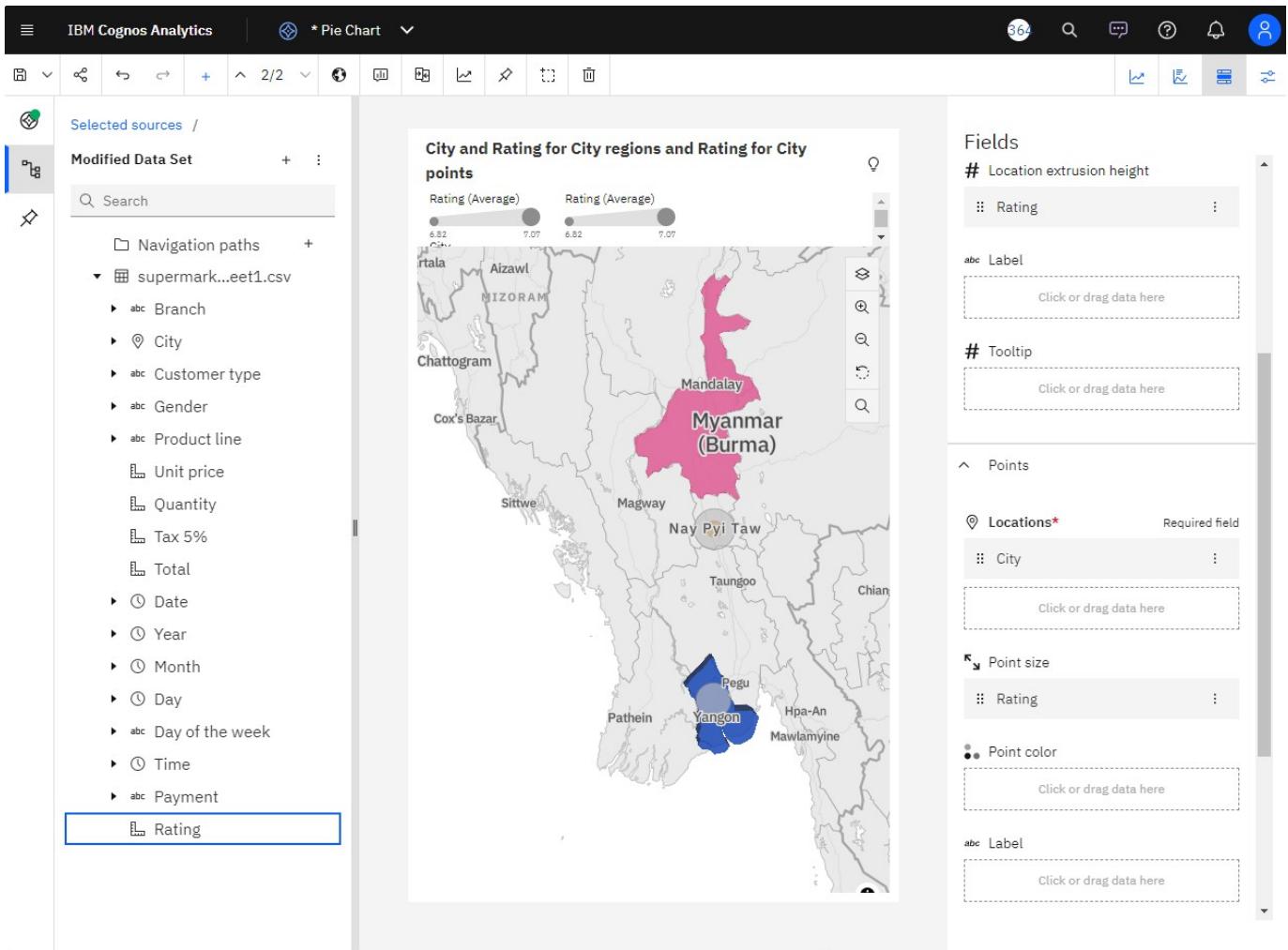


go to the properties & then 'On' the Display % option .

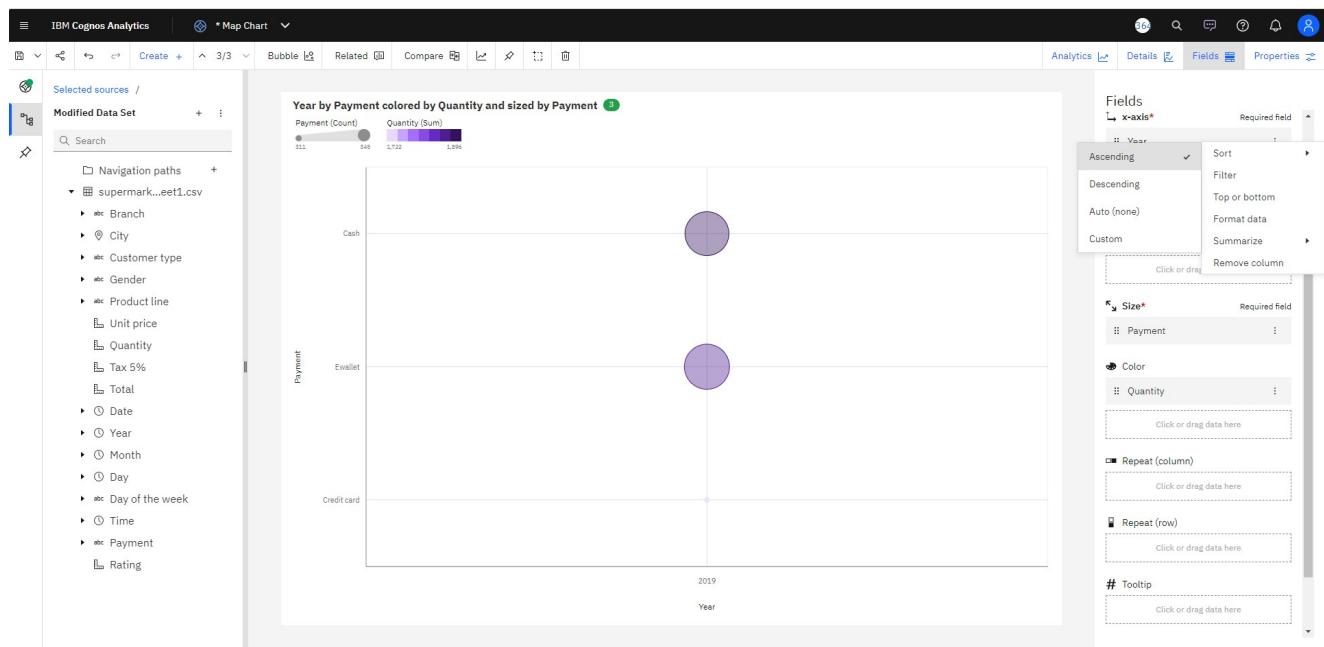


Put the Desired Variables in the required boxes . And then we get the Required the Visualizations .

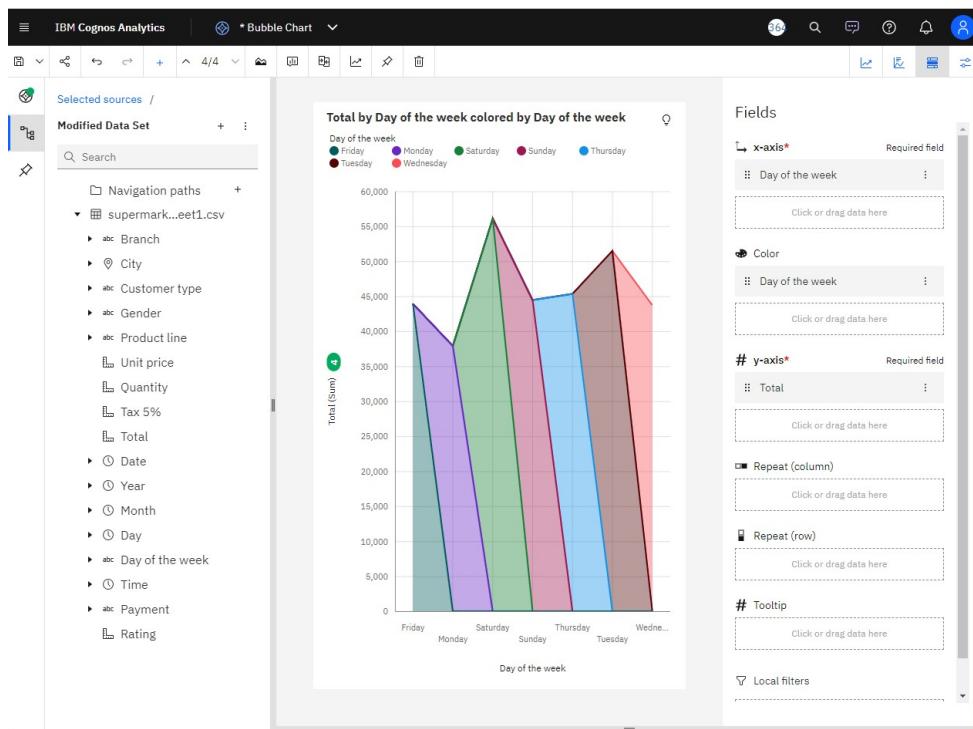
(3) Map Chart :--



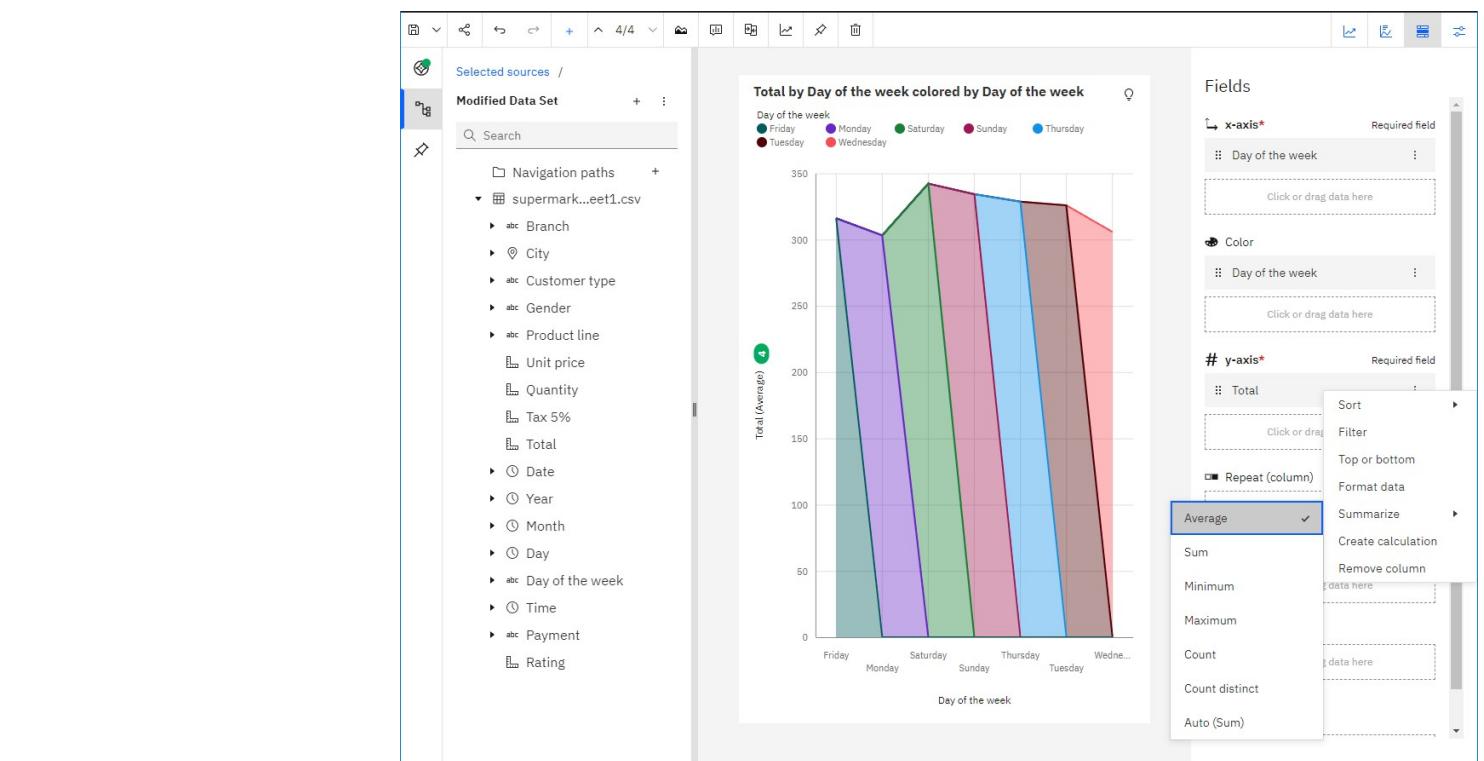
(4) Bubble Chart :--



(5) Area Chart :--

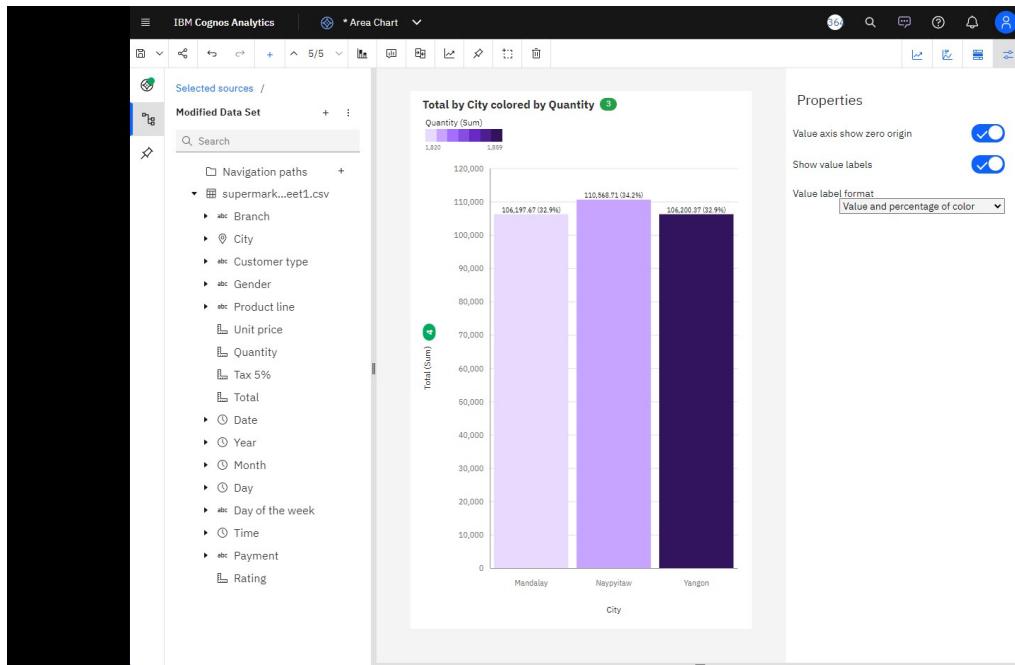


To get the area chart based on the average (or any value) Just go to the Summarize option & select 'average' .

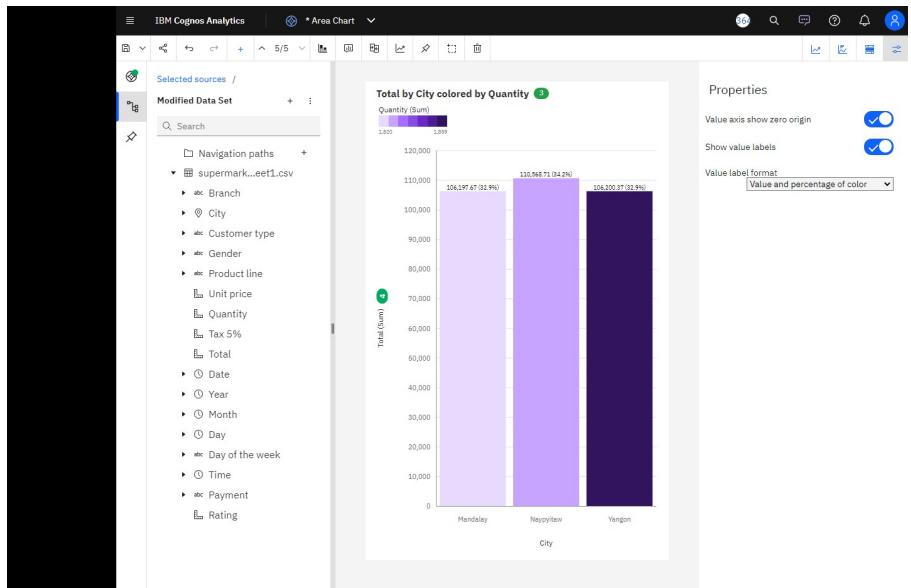


(6) Stacked Column Chart :--

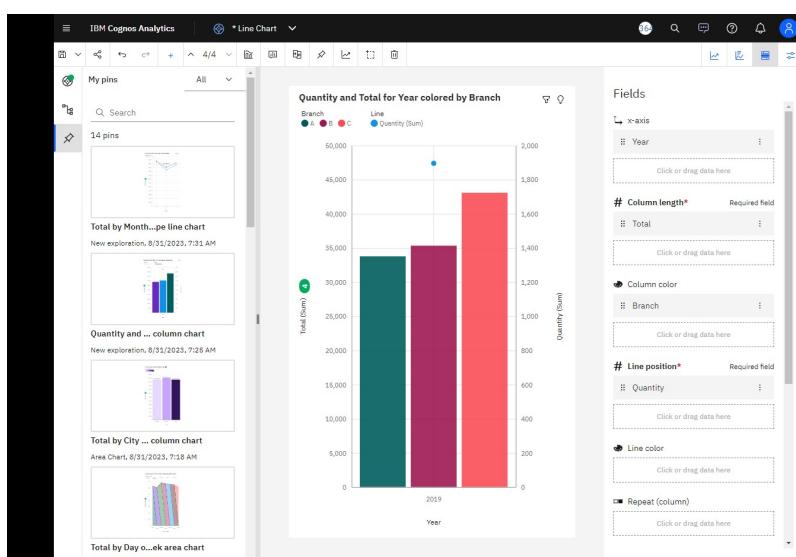
Go to Data Visualization & Click on the 'single type visualization' & select 'Stacked Column Chart' .



Go to properties , switch on the 'show value variables' .



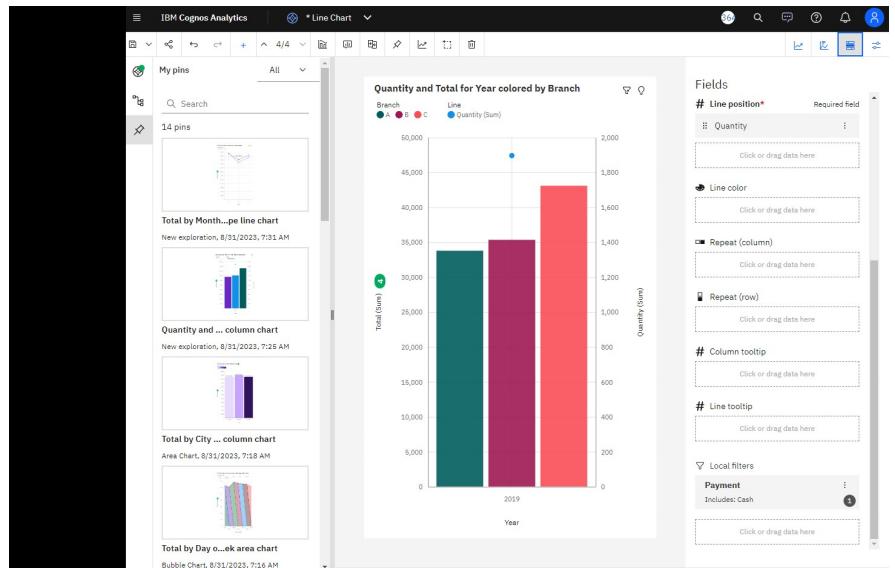
(7) Line Column Chart :--



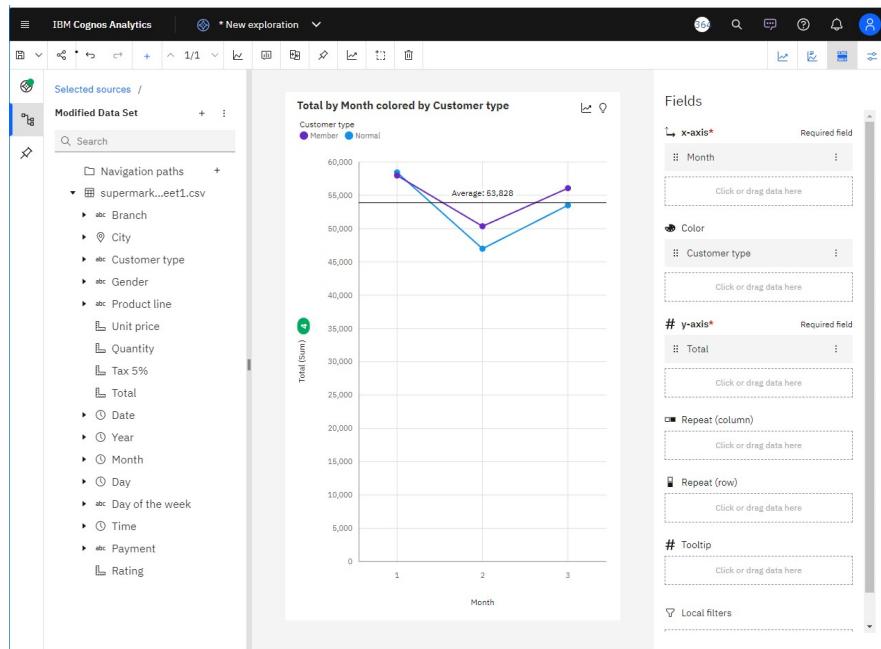
Select Create+> Single Visualisation Card> Line Column Chart

X axis- Year
Column Length- Total
Coloumn Color- Branch

Line Position- (Payment-Cash)



(8) Line Chart :-



go to analytics icon>
enable forecast> mention 5

