



Data Visualization On Supermarket Growth Analysis

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☰ IBM Cognos Analytics

🔗 Supermarket data module

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Properties

Data module

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Navigation paths

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▼ 📄 supermarket...eet1.csv

▶ abc Invoice ID

▶ abc Branch

▶ 📍 City

▶ abc Customer type

▶ abc Gender

▶ abc Product line

📊 Unit price

📊 Quantity

📊 Tax 5%

📊 Total

▶ 🕒 Date

▶ 🕒 Time

▶ abc Payment

📄 Grid

📄 Relationships

📄 Custom tables

⚙️	Invoice ID	Branch	City	Customer type	Gender	Product line
	750-67-8428	A	Yangon	Member	Female	Health and beau
	226-31-3081	C	Naypyitaw	Normal	Female	Electronic acces
	631-41-3108	A	Yangon	Normal	Male	Home and lifest
	123-19-1176	A	Yangon	Member	Male	Health and beau
	373-73-7910	A	Yangon	Normal	Male	Sports and trave
	699-14-3026	C	Naypyitaw	Normal	Male	Electronic acces
	355-53-5943	A	Yangon	Member	Female	Electronic acces
	315-22-5665	C	Naypyitaw	Normal	Female	Home and lifest
	665-32-9167	A	Yangon	Member	Female	Health and beau
	692-92-5582	B	Mandalay	Member	Female	Food and bevera
	351-62-0822	B	Mandalay	Member	Female	Fashion accessco

32°C

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🔍 Search

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ENG IN

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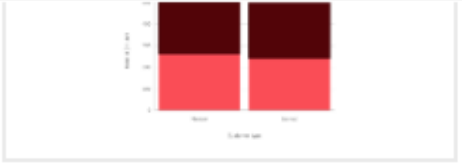
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14:38

19-10-2023

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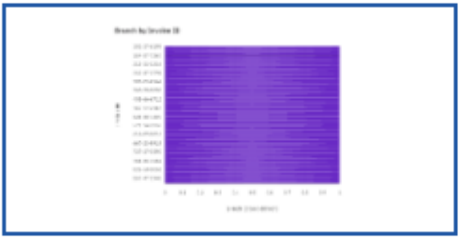
EXPLORATION



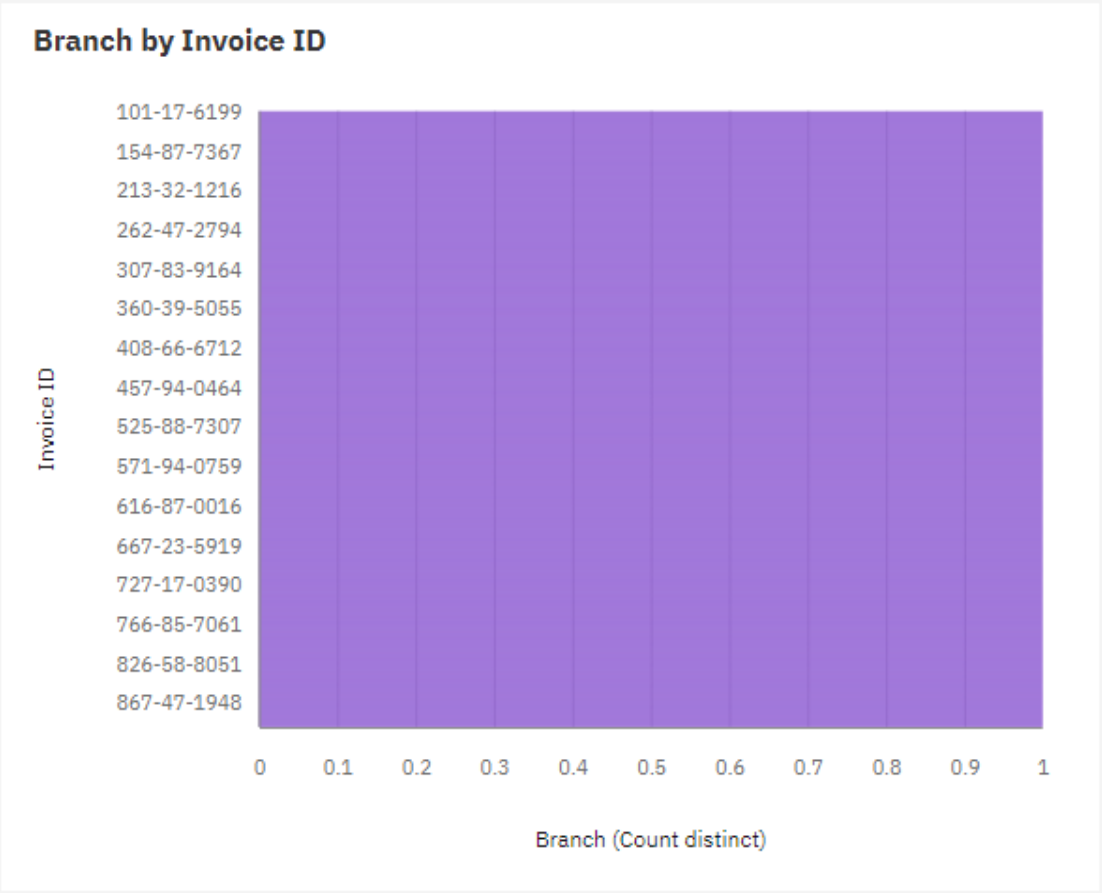
Gender by Cu...column chart
Supermarket exploration, 10/3/2023, 12:41 AM



City by Invoic...dial bar chart
Supermarket exploration, 10/3/2023, 12:39 AM

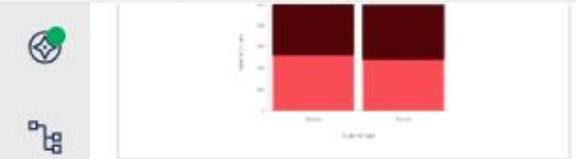


Branch by Inv... ID bar chart
Supermarket exploration, 10/3/2023, 12:32 AM



Details

The total number of results for **Branch**, across all **Invoice ID**, is a thousand.



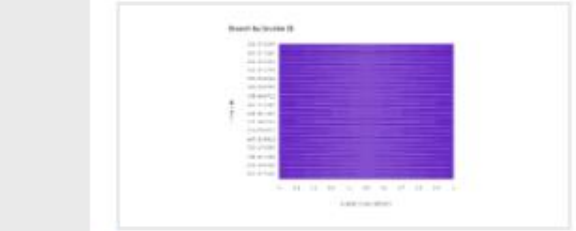
Gender by Cu...column chart

Supermarket exploration, 10/3/2023, 12:41 AM



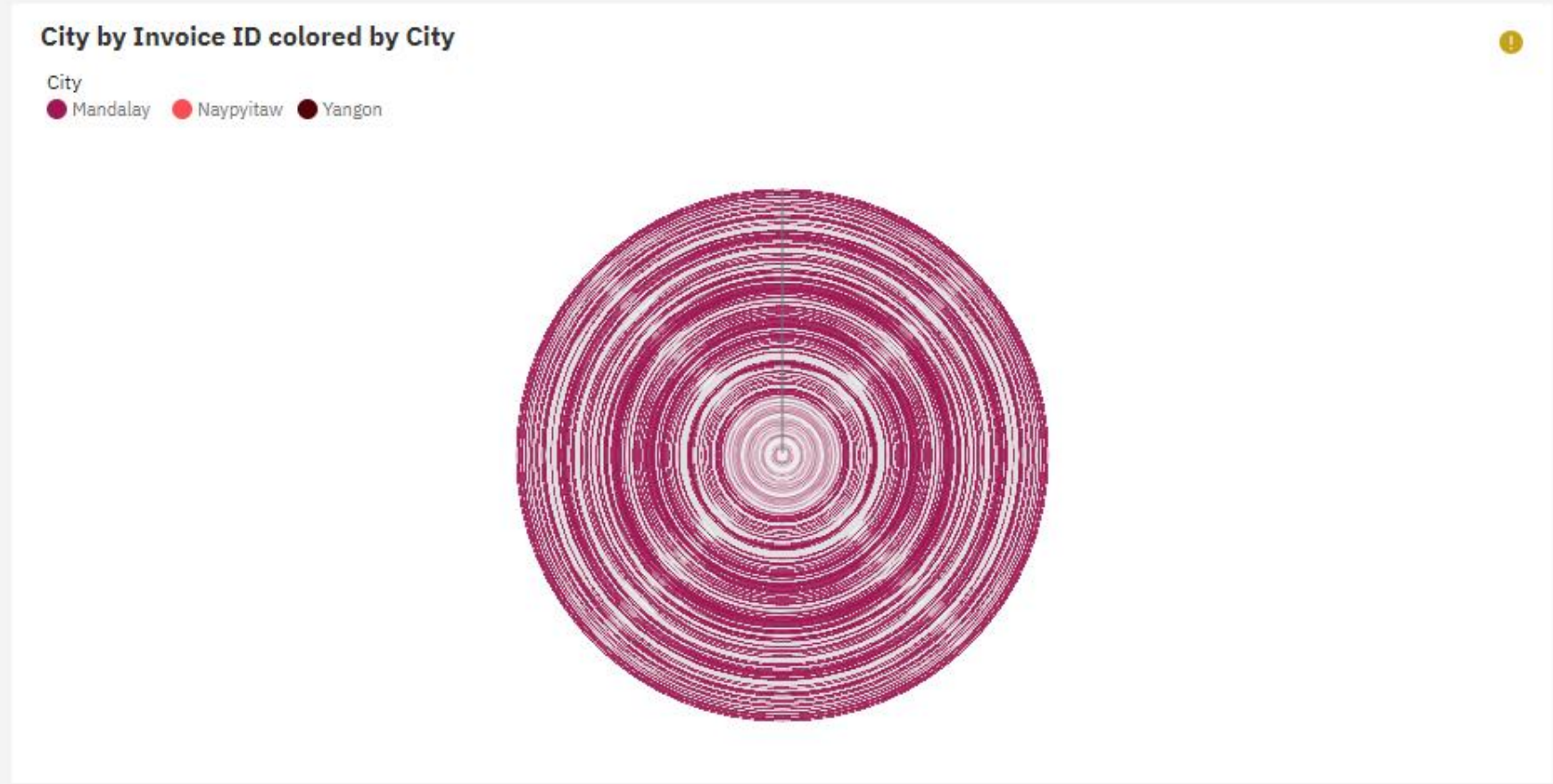
City by Invoic...dial bar chart

Supermarket exploration, 10/3/2023, 12:39 AM



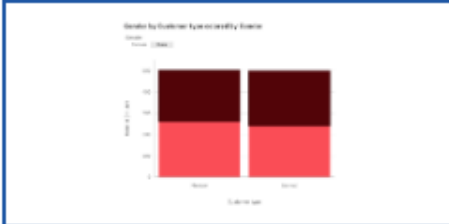
Branch by Inv... ID bar chart

Supermarket exploration, 10/3/2023, 12:32 AM



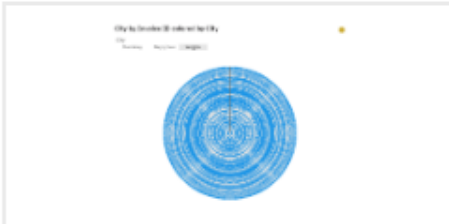
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Supermarket exploration, 10/3/2023, 12:42 AM



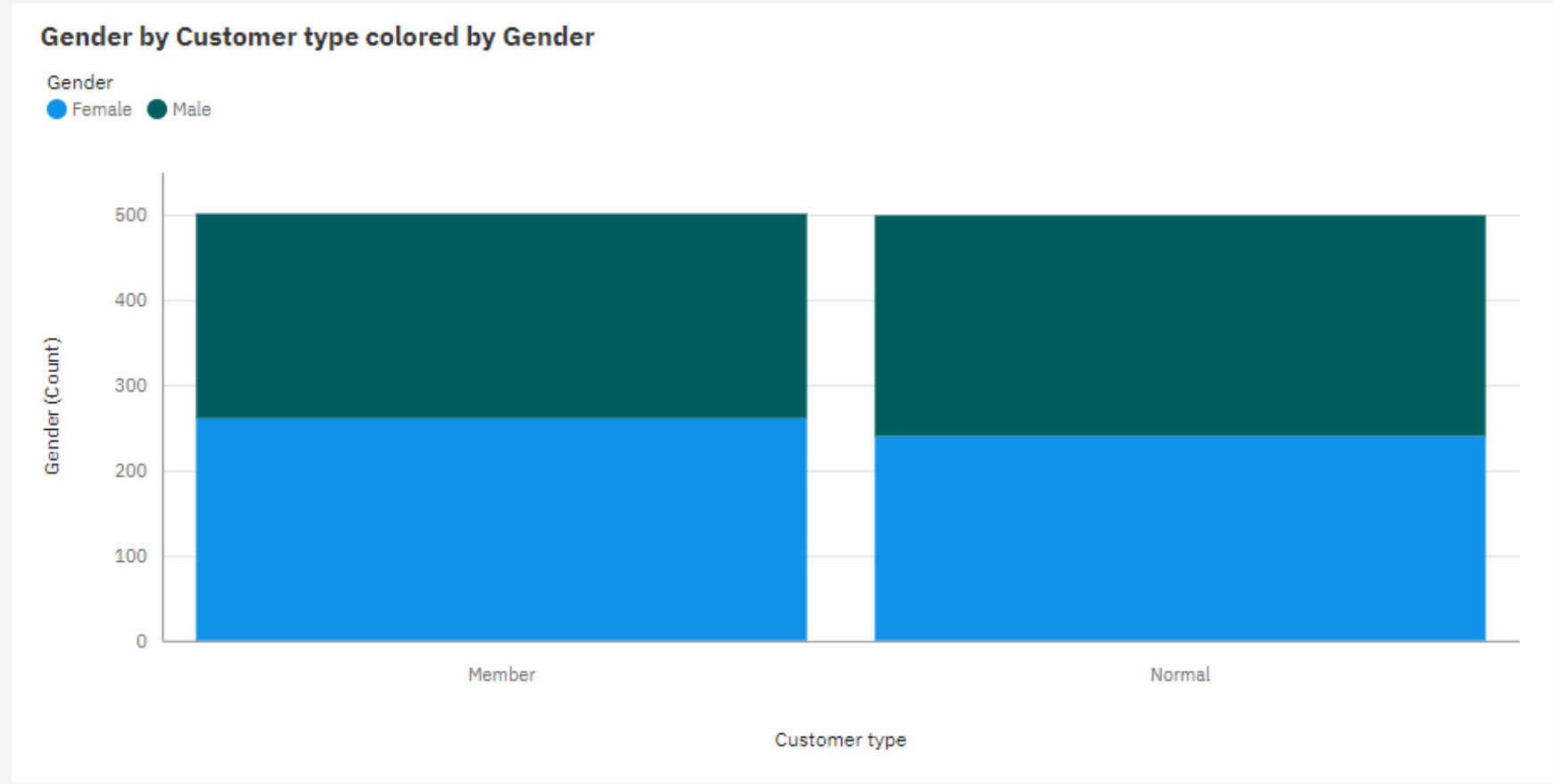
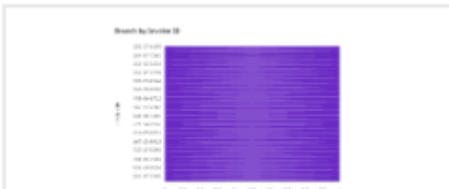
Gender by Cu...column chart

Supermarket exploration, 10/3/2023, 12:41 AM

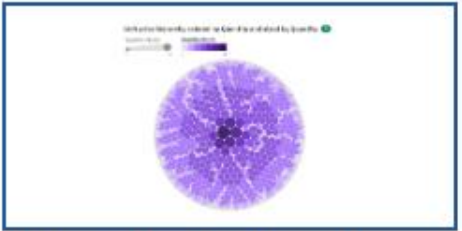


City by Invoic...dial bar chart

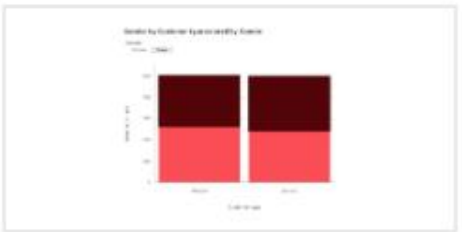
Supermarket exploration, 10/3/2023, 12:39 AM




cogs by Payme...gs line chart
Supermarket exploration, 10/3/2023, 12:44 AM



Unit price hie... bubble chart
Supermarket exploration, 10/3/2023, 12:42 AM

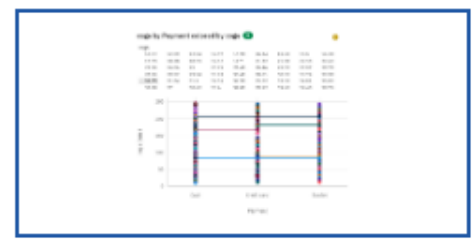


Gender by Cu...column chart
Supermarket exploration, 10/3/2023, 12:41 AM



City for Branc...rchy tree map

Supermarket exploration, 10/3/2023, 12:45 AM



cogs by Payme...gs line chart

Supermarket exploration, 10/3/2023, 12:44 AM



Unit price hie... bubble chart

Supermarket exploration, 10/3/2023, 12:42 AM



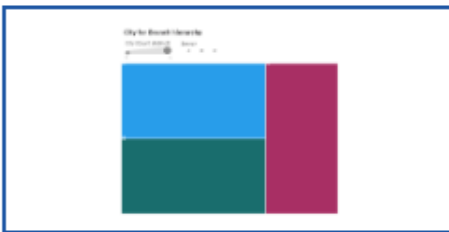
cogs by Payment colored by cogs 5

Legend for 'cogs by Payment colored by cogs':

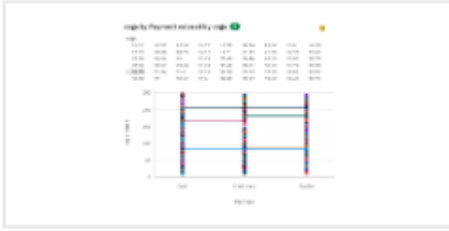
10.17	12.09	12.54	12.78	13.98	15.34	15.43	15.5	16.28	17.75	18.28	18.33	19.15	19.7	21.32	21.58
22.38	22.62	22.96	24.06	25	25.29	25.45	25.46	25.52	27.07	28.78	28.96	29.52	29.74	30.24	30.41
30.61	30.62	30.74	30.98	31.77	31.84	31.9	32.32	32.98	33.52	33.63	34.81	35.82	35.89	37	38.42
38.6	39.01	39.12	39.42	39.48	39.75	40.35	41.78	42.24	42.47	42.85	42.96	43.74	44.46	45.58	46.2
46.41	46.96	47.07	47.4	47.44	48.61	48.71	50.62	50.8	51.36	51.47	52.35	52.38	52.42	52.65	53.22
53.45	53.72	53.78	54.24	54.36	54.45	54.95	55.12	55.45	56.5	57.92	59.05	60.25	60.3	60.87	60.95



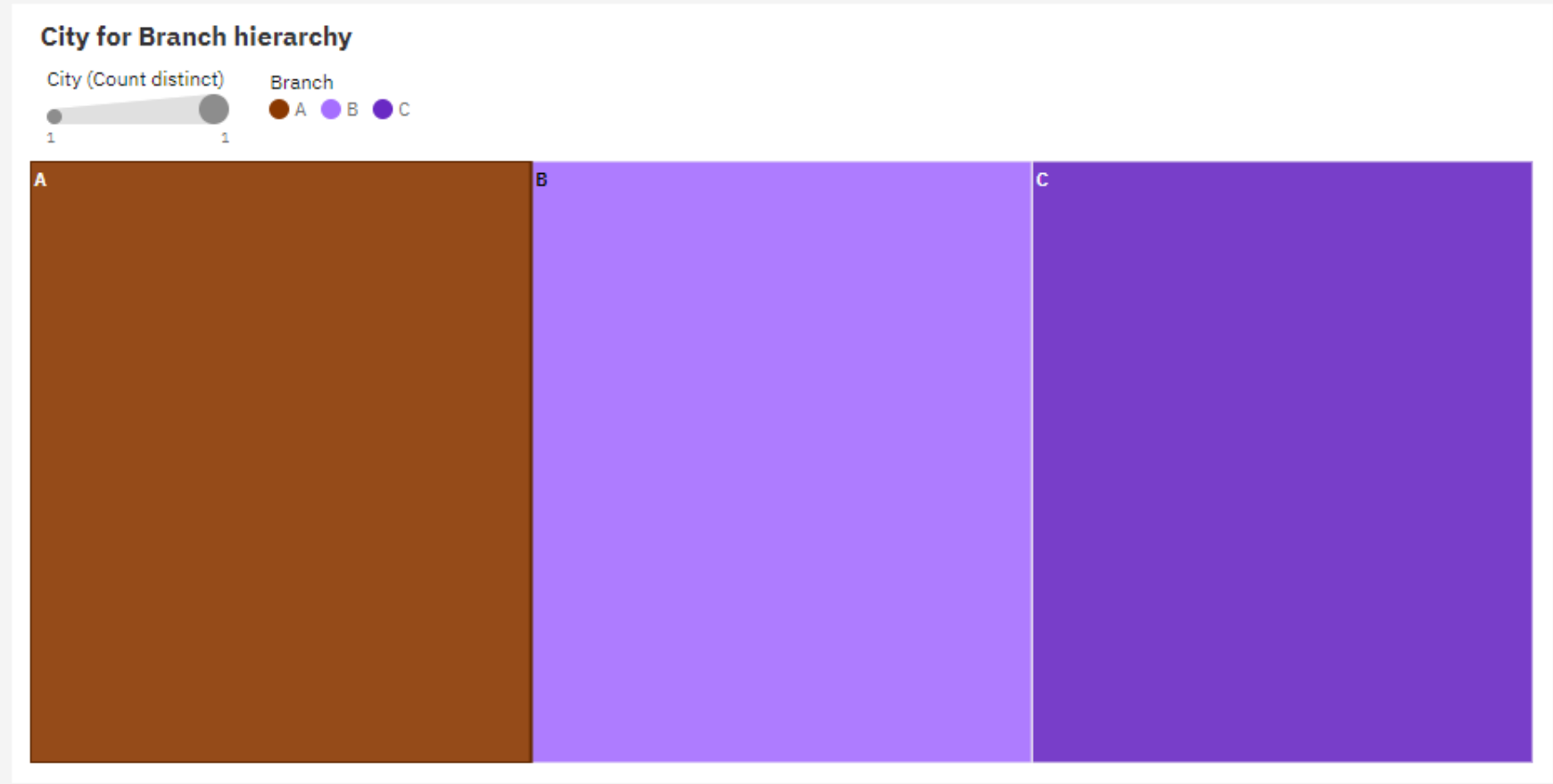
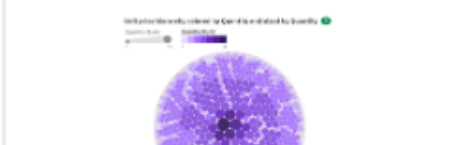
Unit price by ...ked bar chart
Supermarket exploration, 10/3/2023, 12:46 AM

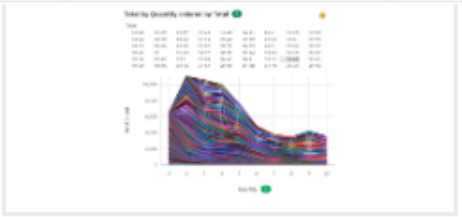


City for Branc....rchy tree map
Supermarket exploration, 10/3/2023, 12:45 AM

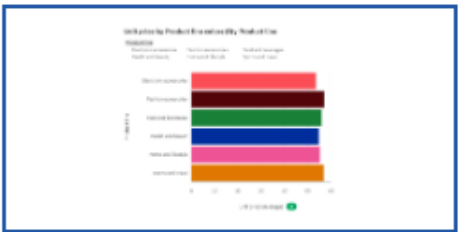


cogs by Payme...gs line chart
Supermarket exploration, 10/3/2023, 12:44 AM





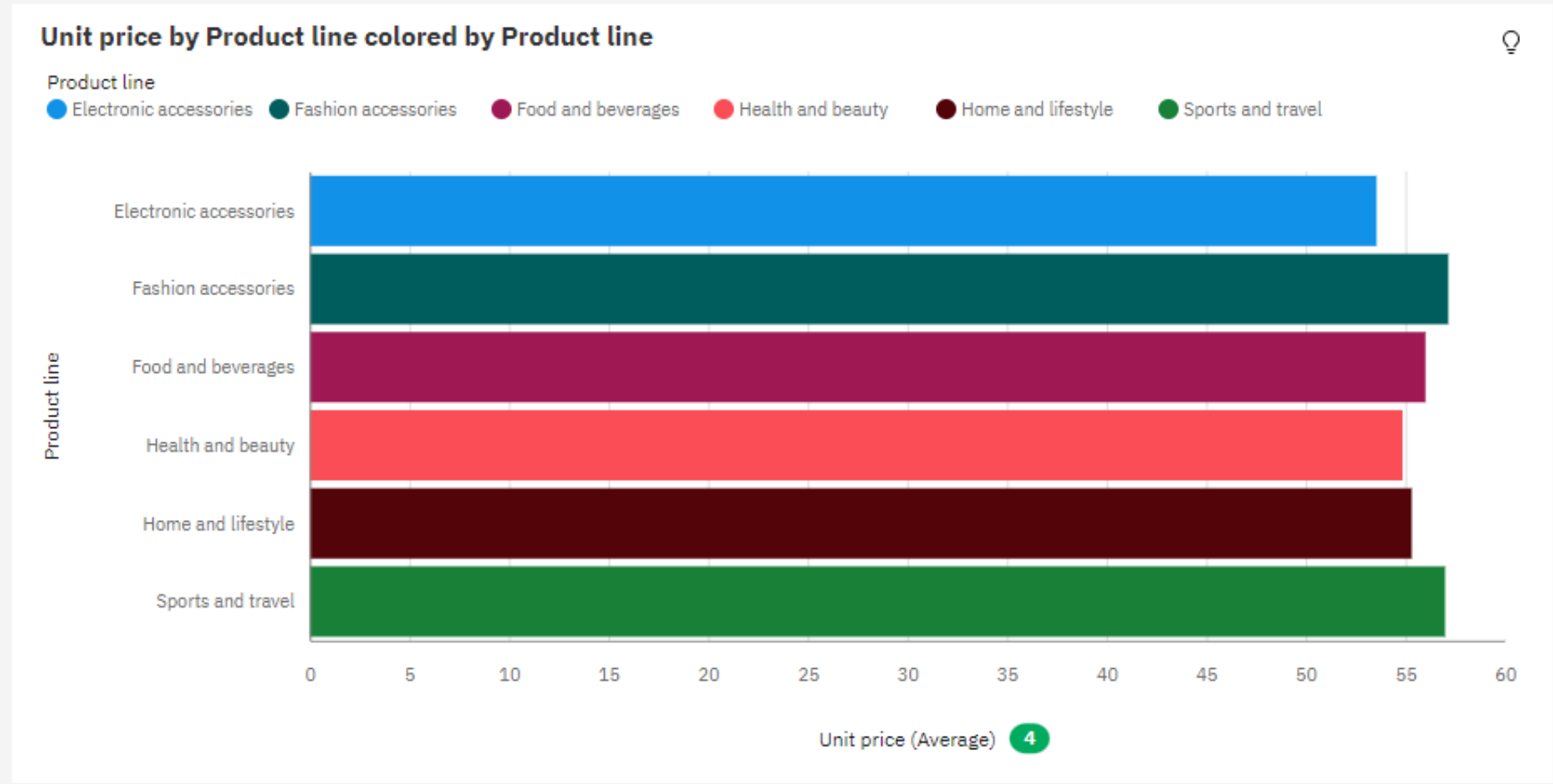
Total by Quant...al area chart
Supermarket exploration, 10/3/2023, 12:47 AM




Unit price by ...ked bar chart
Supermarket exploration, 10/3/2023, 12:46 AM



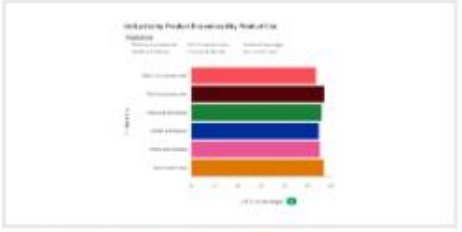
City for Branc...rchy tree map
Supermarket exploration, 10/3/2023,



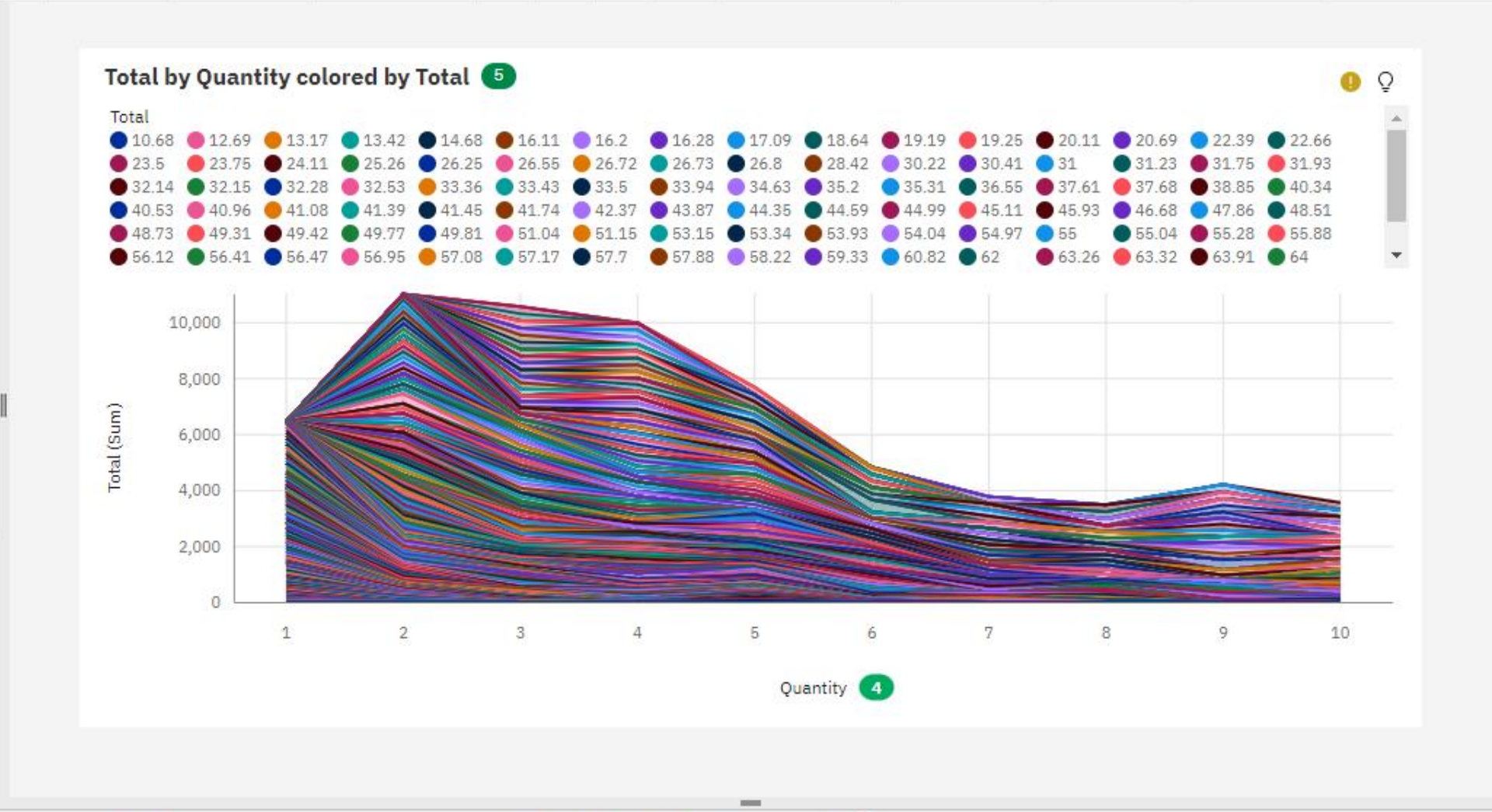
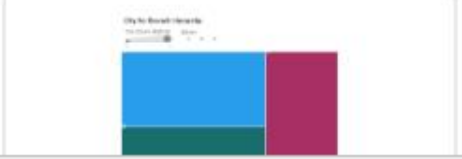
EmpID hierarc...bubble chart
New exploration, 10/10/2023, 3:54 AM



Total by Quant...al area chart
Supermarket exploration, 10/3/2023, 12:47 AM



Unit price by ...ked bar chart
Supermarket exploration, 10/3/2023, 12:46 AM



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IBM Cognos AnalyticsSupermarket dashboard

322

100%AnalyticsFilters

Edit

Tab 1Tab 2Tab 3Tab 4

Branch by Invoice ID

Invoice ID

101-17-6199
154-87-7367
213-32-1216
262-47-2794
307-83-9164
360-39-5055
408-66-6712
457-94-0464
525-88-7307
571-94-0759
616-87-0016
667-23-5919
727-17-0390
766-85-7061
826-58-8051
867-47-1948

Branch (Count distinct)

City by Invoice ID colored by City

City

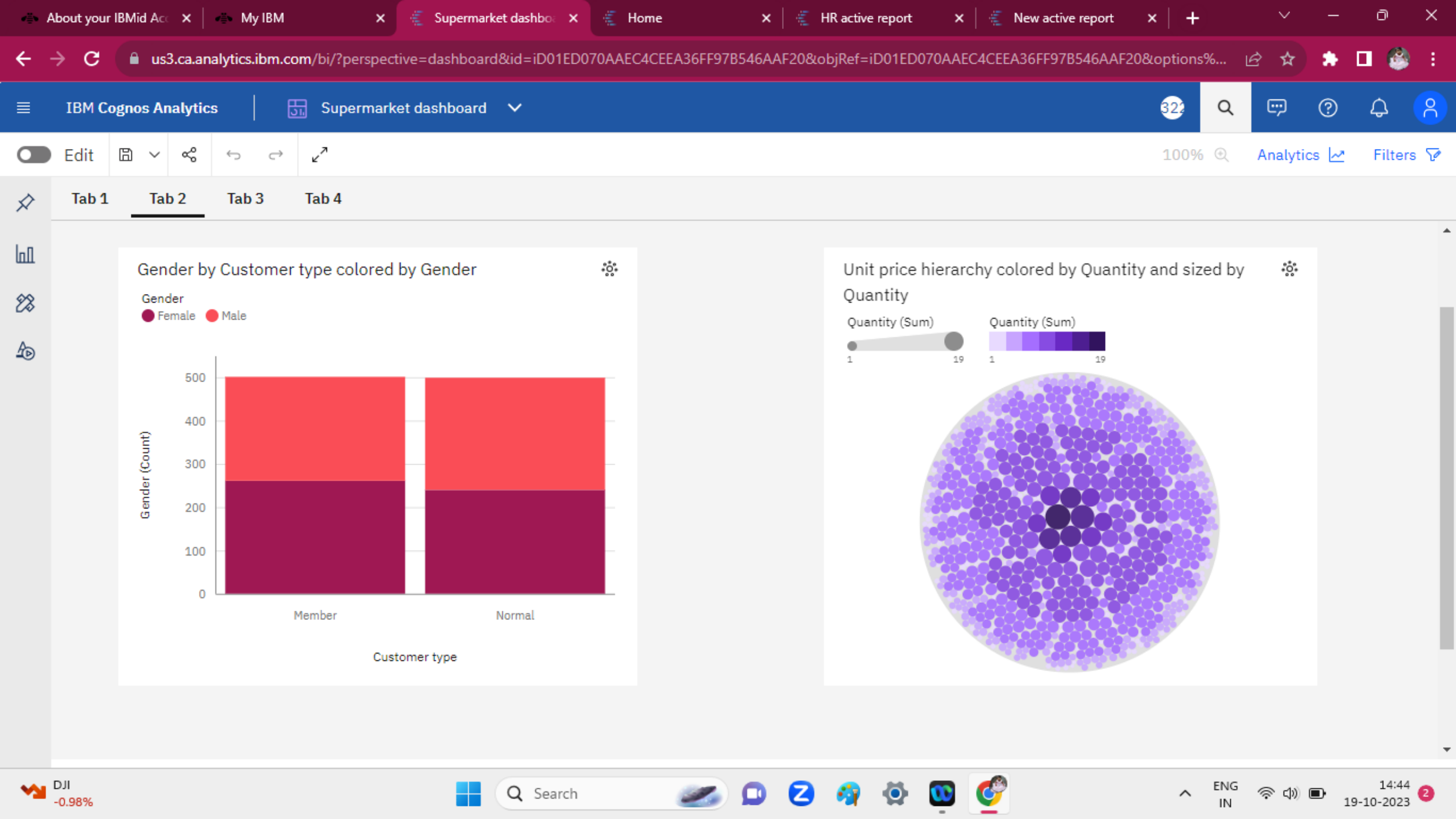
MandalayNaypyitawYangon

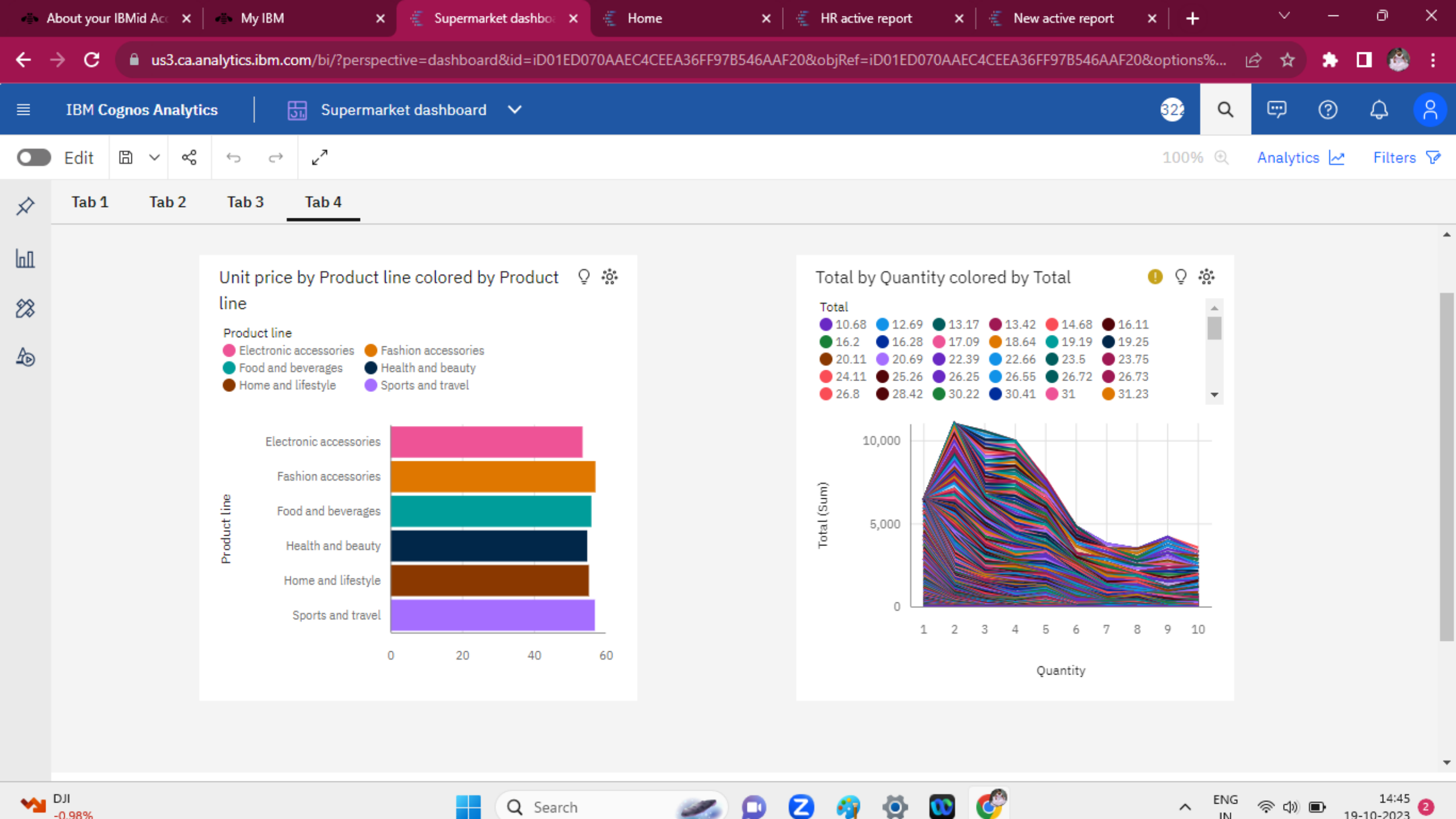
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IBM Cognos Analytics

Supermarket story

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Filters


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Filters

Supermarket Analysis



Prev scene

Next scene

Scene 1 of 9

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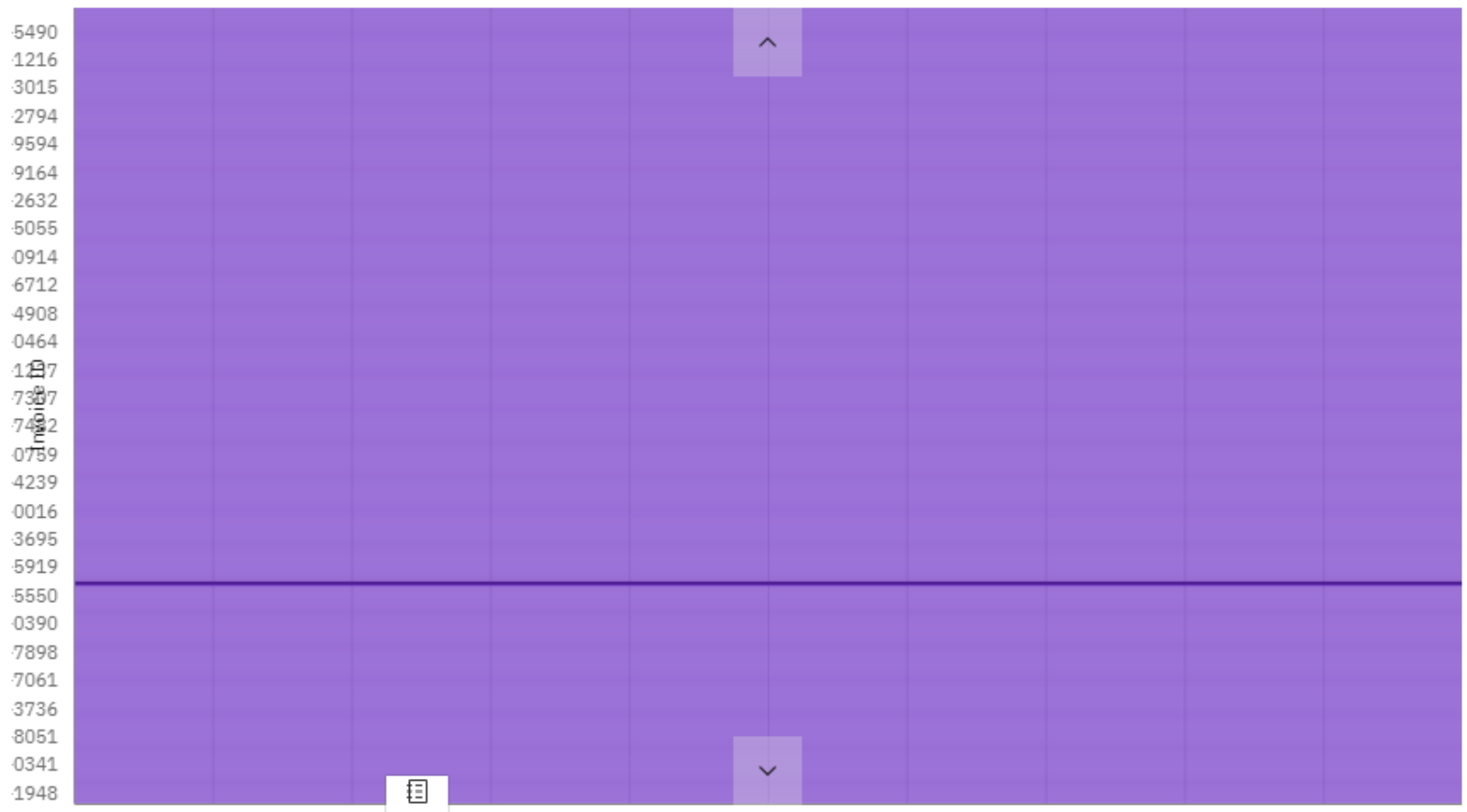
ENG IN

14:49

19-10-2023

- Invoice ID 101-17-6199 has the highest Count distinct Branch but is ranked #388 in Total Total.
- Invoice ID 860-79-0874 has the highest Total Total but is ranked #1 in Count distinct Branch.
- The total number of results for Branch, across all Invoice ID, is a thousand.

Branch by Invoice ID



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IBM Cognos AnalyticsSupermarket story32

AnalyticsFilters

Edit

City by Invoice ID colored by City

City

- Mandalay
- Naypyitaw
- Yangon

Yangon is the most frequently occurring category of City with a count of 340 items with City values (34 % of the total).

The total number of results for City, across all Invoice ID, is a thousand.

Prev scene

Next scene

Scene 3 of 9

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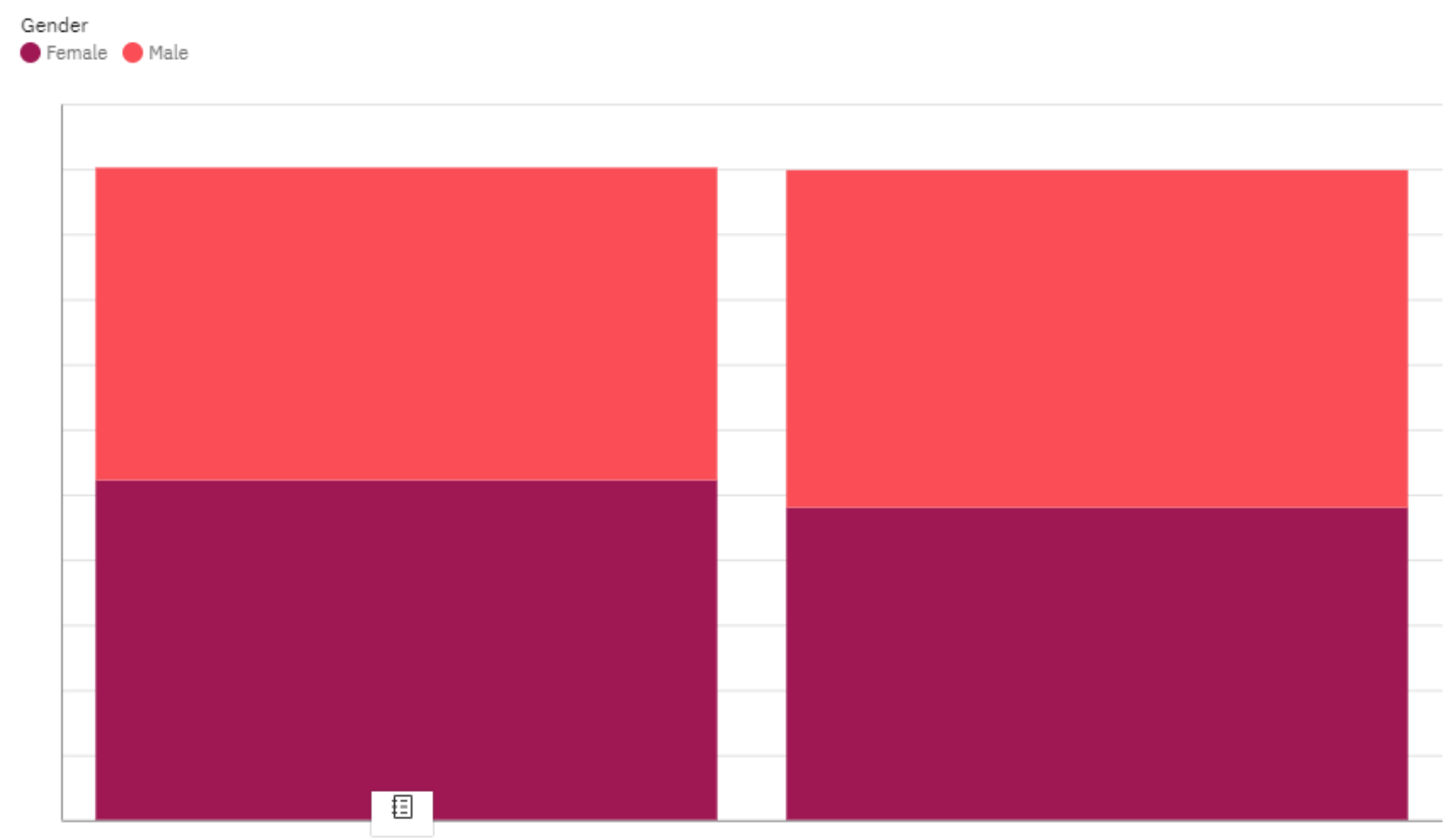
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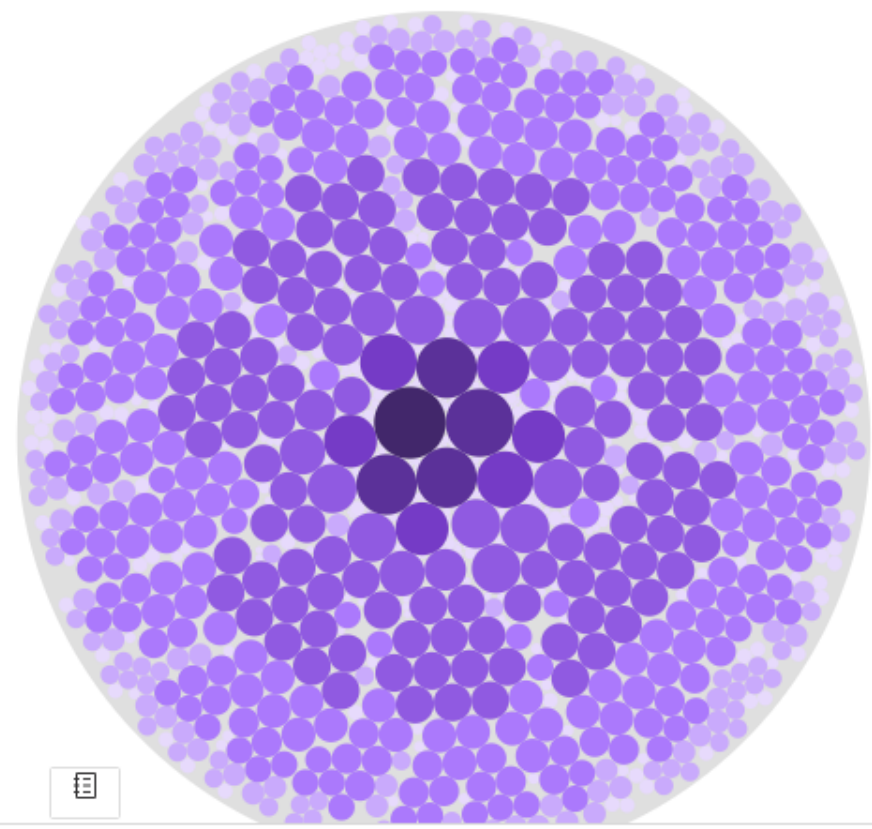
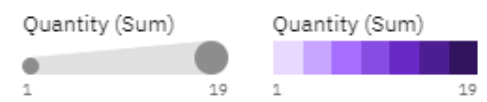
- Member is the most frequently occurring category of Customer type with a count of 501 items with Gender values (50.1 % of the total).
- Female is the most frequently occurring category of Gender with a count of 501 items with Gender values (50.1 % of the total).
- The total number of results for Gender, across all customer types, is a thousand.

Gender by Customer type colored by Gender



- Unit price 87.87 has the highest values of both Quantity and cogs.
- Across all unit prices, the sum of Quantity is over 5500.
- Quantity ranges from 1, when Unit price is 86.72, to 19, when Unit price is 87.87.
- For Quantity, the most significant values of Unit price are 87.87 and 20.01, whose respective Quantity values add up to 37, or 0.7 % of the total.

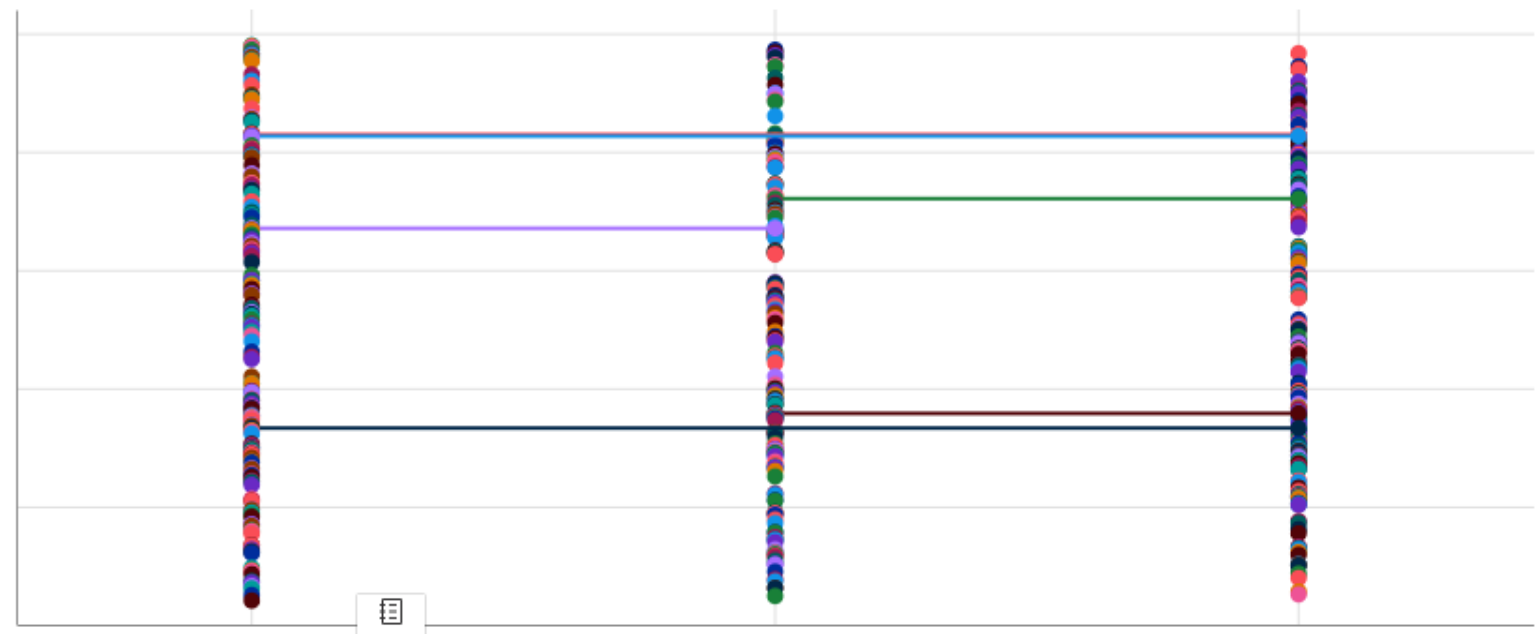
Unit price hierarchy colored by Quantity and sized by Quantity



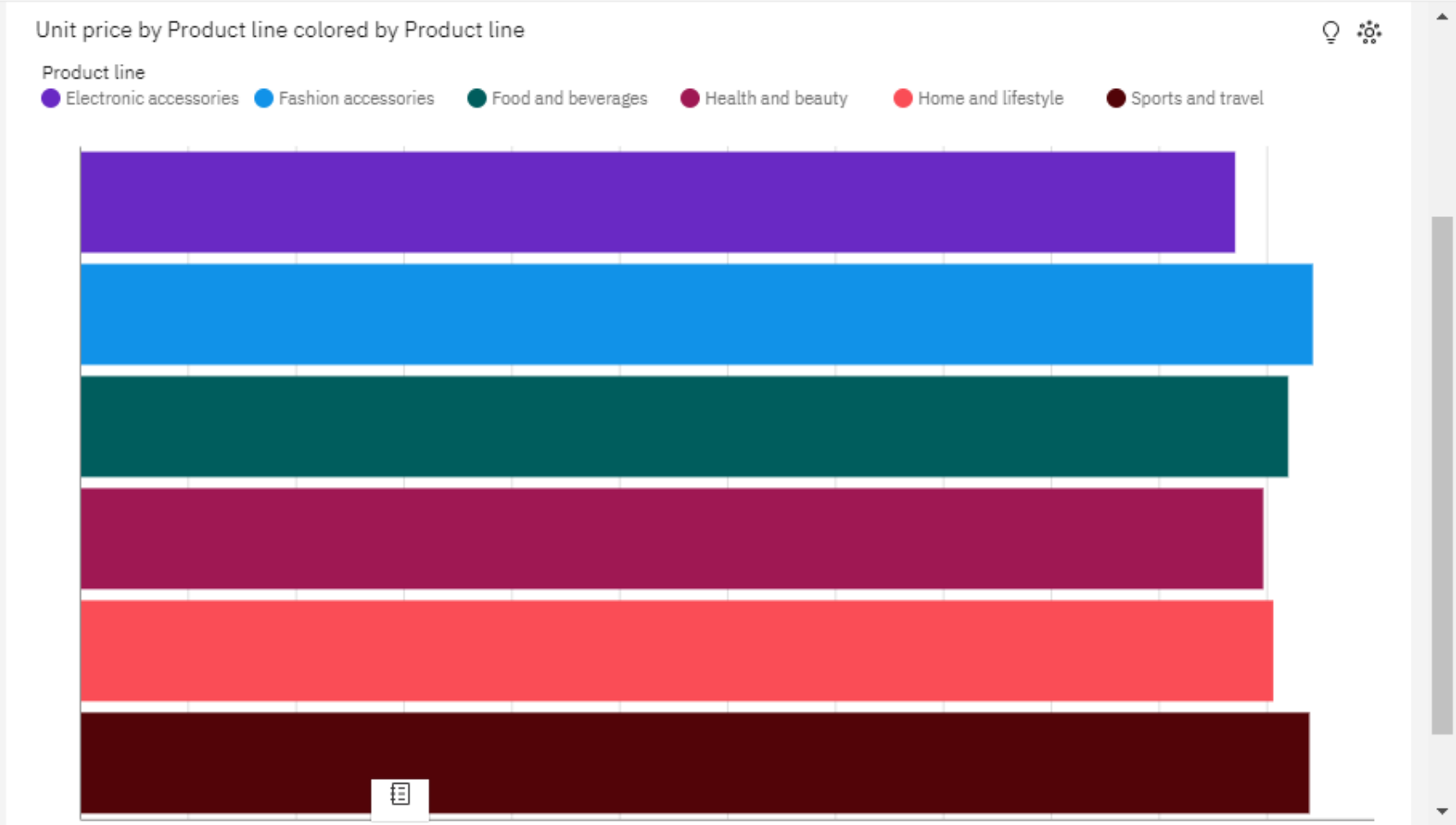
- Over all values of Payment and cogs, the sum of cogs is nearly 494 thousand.
- The summed values of cogs range from 0 to 989.
- For cogs, the most significant values of Payment are Cash and Ewallet, whose respective cogs values add up to nearly 212 thousand, or 68.8 % of the total.
- For cogs, the most significant value of cogs is 789.6, whose respective cogs values add up to over 1500, or 0.5 % of the total.

cogs by Payment colored by cogs

cogs	10.17	12.09	12.54	12.78	13.98	15.34	15.43	15.5	16.28	17.75	18.28	18.33	19.15	19.7	21.32
	21.58	22.38	22.62	22.96	24.06	25	25.29	25.45	25.46	25.52	27.07	28.78	28.96	29.52	29.74
	30.24	30.41	30.61	30.62	30.74	30.98	31.77	31.84	31.9	32.32	32.98	33.52	33.63	34.81	35.82
	35.89	37	38.42	38.6	39.01	39.12	39.42	39.48	39.75	40.35	41.78	42.24	42.47	42.85	42.96
	43.74	44.46	45.58	46.2	46.41	46.96	47.07	47.4	47.44	48.61	48.71	50.62	50.8	51.36	51.47
	52.35	52.38	52.42	52.65	53.22	53.45	53.72	53.78	54.24	54.36	54.45	54.95	55.12	55.45	56.5
	57.92	59.05	60.25	60.3	60.87	60.95	62.48	62.61	63.24	...					



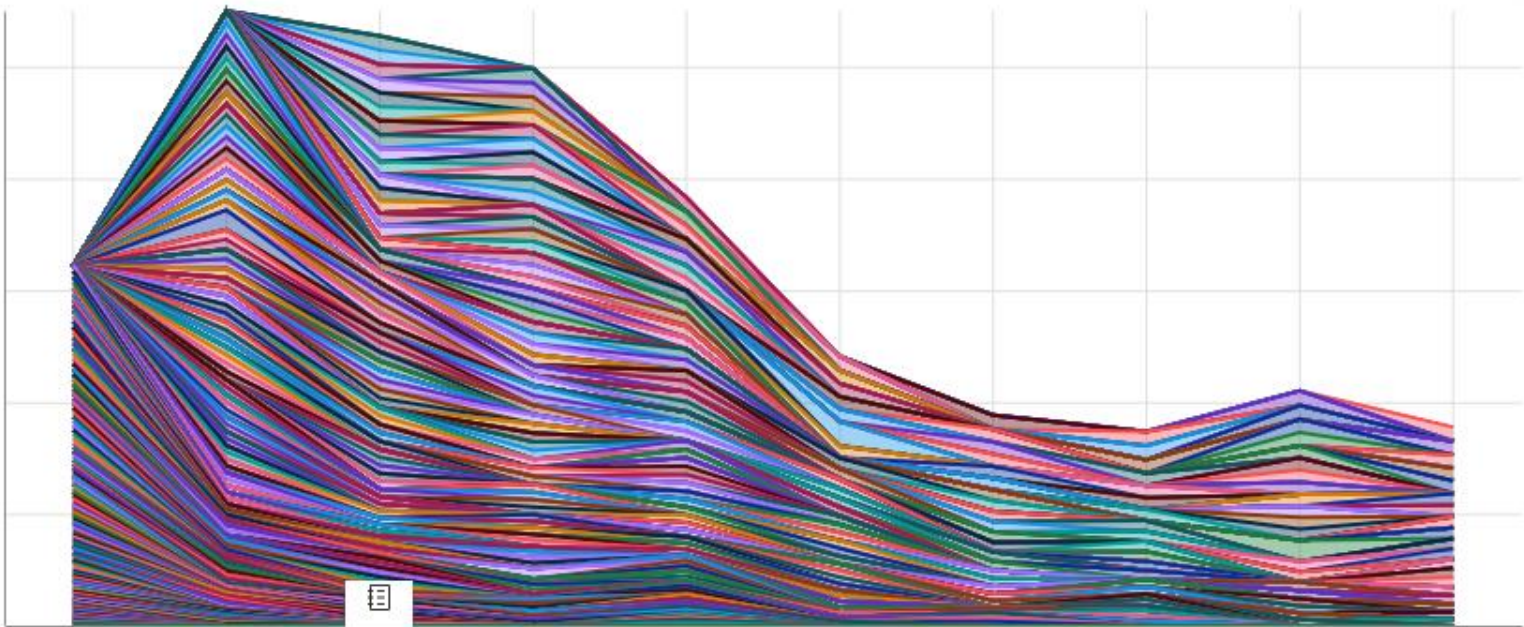
- Product line Fashion accessories has the highest Average Unit price but is ranked #4 in Total Total.
- Product line Food and beverages has the highest Total Total but is ranked #3 in Average Unit price.
- Fashion accessories (17.8 %), Food and beverages (17.4 %), Electronic accessories (17 %), Sports and travel (16.6 %), and Home and lifestyle (16 %) are the most frequently occurring categories of Product line with a combined count of 848 items with Unit price values (84.8 % of the total) .
- Over all product lines and product lines, the average of Unit price is 55.67.
- The average values of Unit price range from 53.55 to 57.15.



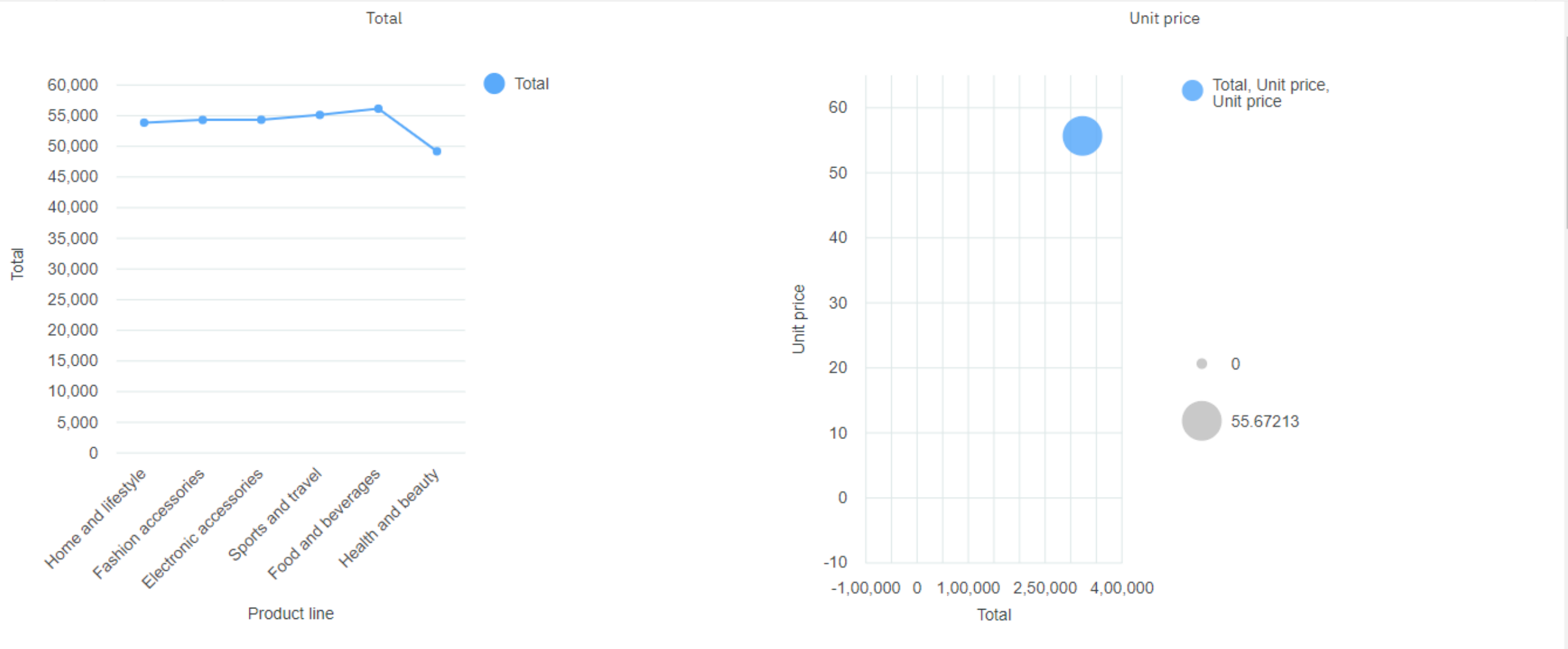
- Total is unusually high when the combination of Quantity and Total is 8 and 829.08.
- Over all quantities and totals, the sum of Total is nearly 491 thousand.
- Add insight to favorites
- The summed values of Total range from 0 to 989.

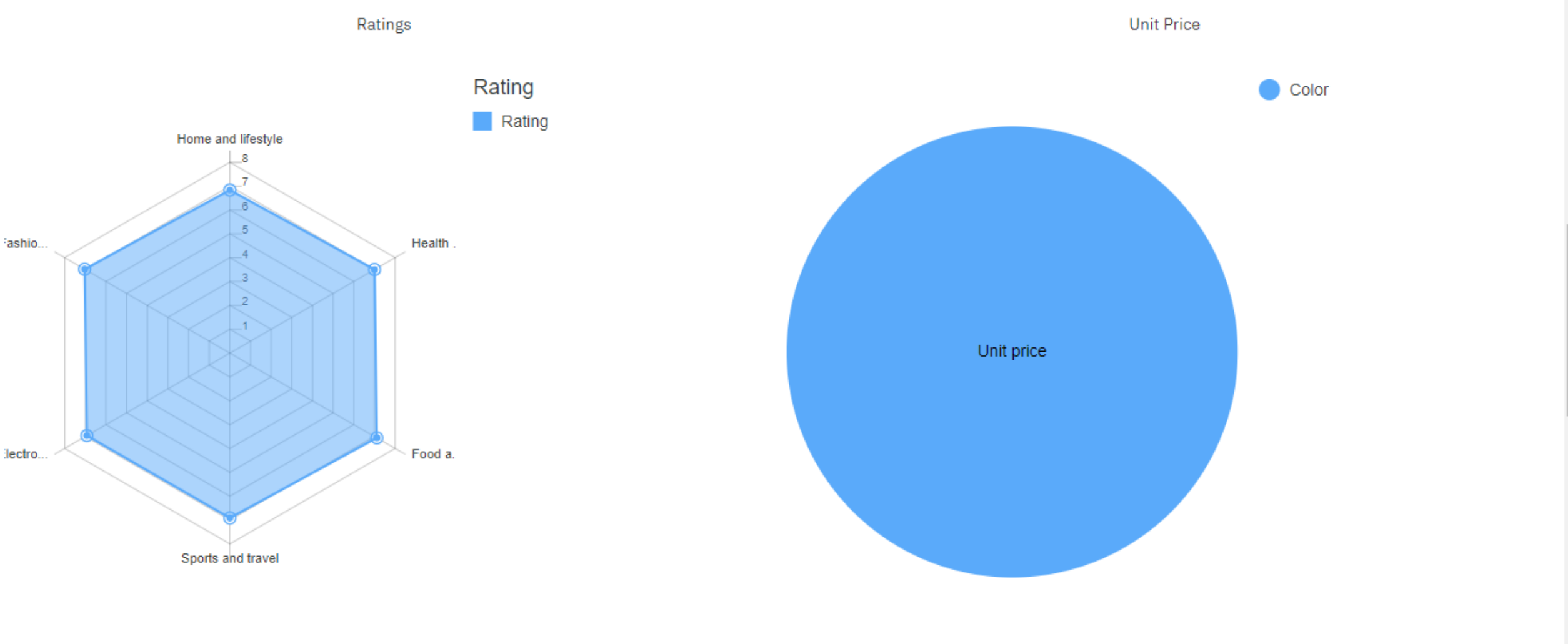
Total by Quantity colored by Total

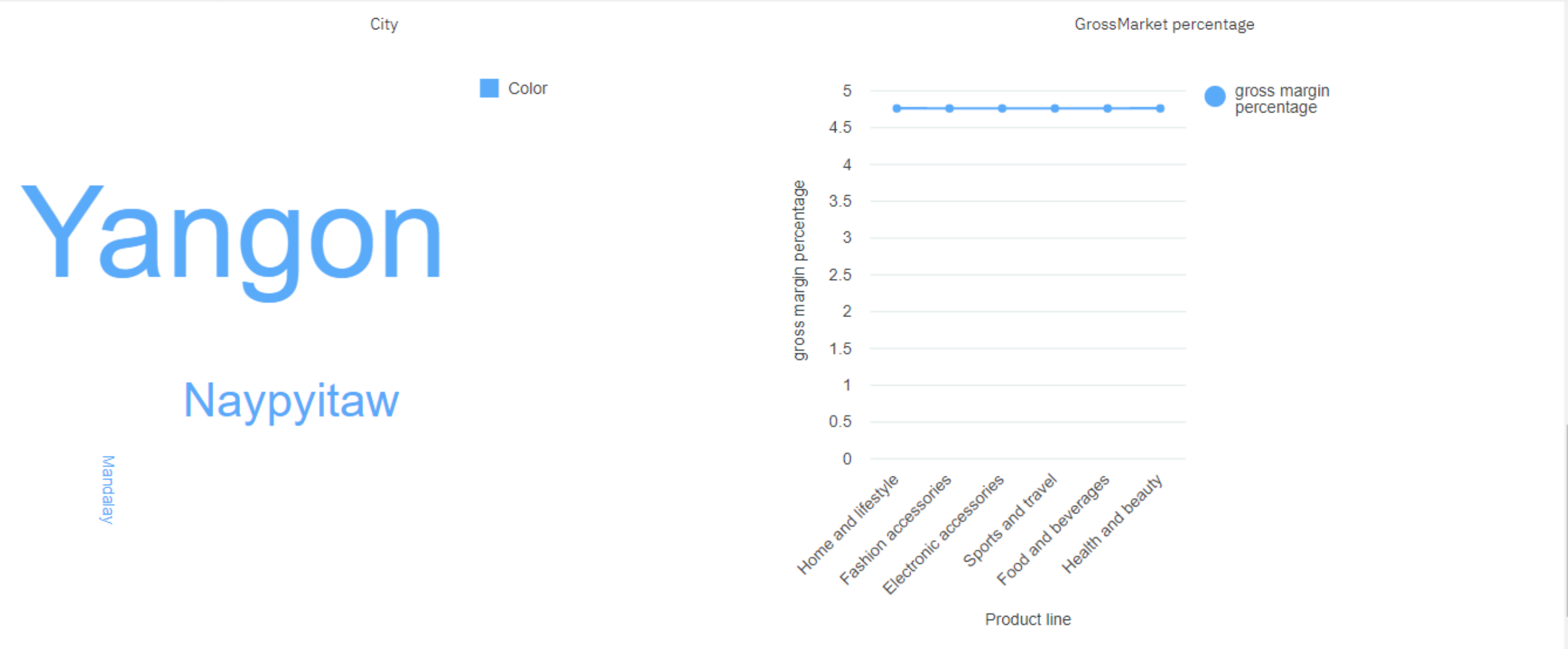
Total	10.68	12.69	13.17	13.42	14.68	16.11	16.2	16.28	17.09	18.64	19.19	19.25	20.11	20.69	22.39
	22.66	23.5	23.75	24.11	25.26	26.25	26.55	26.72	26.73	26.8	28.42	30.22	30.41	31	31.23
	31.75	31.93	32.14	32.15	32.28	32.53	33.36	33.43	33.5	33.94	34.63	35.2	35.31	36.55	37.61
	37.68	38.85	40.34	40.53	40.96	41.08	41.39	41.45	41.74	42.37	43.87	44.35	44.59	44.99	45.11
	45.93	46.68	47.86	48.51	48.73	49.31	49.42	49.77	49.81	51.04	51.15	53.15	53.34	53.93	54.04
	54.97	55	55.04	55.28	55.88	56.12	56.41	56.47	56.95	57.08	57.17	57.7	57.88	58.22	59.33
	60.82	62	63.26	63.32	63.91	64	65.6	65.74	66.4	...					



REPORT









THANK YOU