

DATA ANALYTICS WITH IBM COGNOS ANALYTICS

NAME: KESAVARSHINI APPIKATLA

REG NUM: 21BCE7074

ASSIGNMENT-1: SUPERMARKET SALES

SUPERMARKET SALES DATA MODULE:

Attributes: Row ID, Branch, City, Customer Type, Gender, Product Line, Unit Price, Quantity, Tax 5%, Total, Date, Year, Month, Day, Day of the Week, Time, Payment, cogs, Rating.

Supermarket Sales data module

Navigation paths +

▼ Supermar...les.csv

▼ abc Branch

- ⇒ A
- ⇒ B
- ⇒ C

▼ City

- ⇒ Mandalay
- ⇒ Naypyitaw
- ⇒ Yangon

Health...eauty

Home a...style

Sports ...travel

Unit price

Quantity

Tax 5%

Total

▶ ⌚ Date

▶ ⌚ Year

▶ ⌚ Month

▼ abc Customer type

- ⇒ Member
- ⇒ Normal

▼ abc Gender

- ⇒ Female
- ⇒ Male

▼ abc Product line

- ⇒ Electr...sories
- ⇒ Fashio...sories
- ⇒ Food a...rages

▶ ⌚ Day

▶ abc Day of the week




▶ ⌚ Time




▼ abc Payment




- ⇒ Cash
- ⇒ Credit card
- ⇒ Ewallet

📊 cogs

📊 Rating

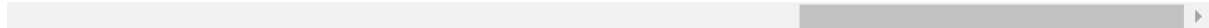
<div> <div> Grid</div> <div> Relationships</div> <div> Custom tables</div> </div>					
↑↓	Row Id	Branch	City	Customer type	Gender
	1	A	Yangon	Member	Female
	2	C	Naypyitaw	Normal	Female
	3	A	Yangon	Normal	Male
	4	A	Yangon	Member	Male
	5	A	Yangon	Normal	Male
	6	C	Naypyitaw	Normal	Male
	7	A	Yangon	Member	Female
	8	C	Naypyitaw	Normal	Female
	9	A	Yangon	Member	Female

<div> <div> Grid</div> <div> Relationships</div> <div> Custom tables</div> </div>					
↑↓	Product line	Unit price	Quantity	Tax 5%	Total
	Health and beauty	74.69	7	26.1415	548.9715
	Electronic accessories	15.28	5	3.82	80.22
	Home and lifestyle	46.33	7	16.2155	340.5255
	Health and beauty	58.22	8	23.288	489.048
	Sports and travel	86.31	7	30.2085	634.3785
	Electronic accessories	85.39	7	29.8865	627.6165
	Electronic accessories	68.84	6	20.652	433.692
	Home and lifestyle	73.56	10	36.78	772.38
	Health and beauty	36.26	2	3.626	76.146

 Grid  Relationships  Custom tables

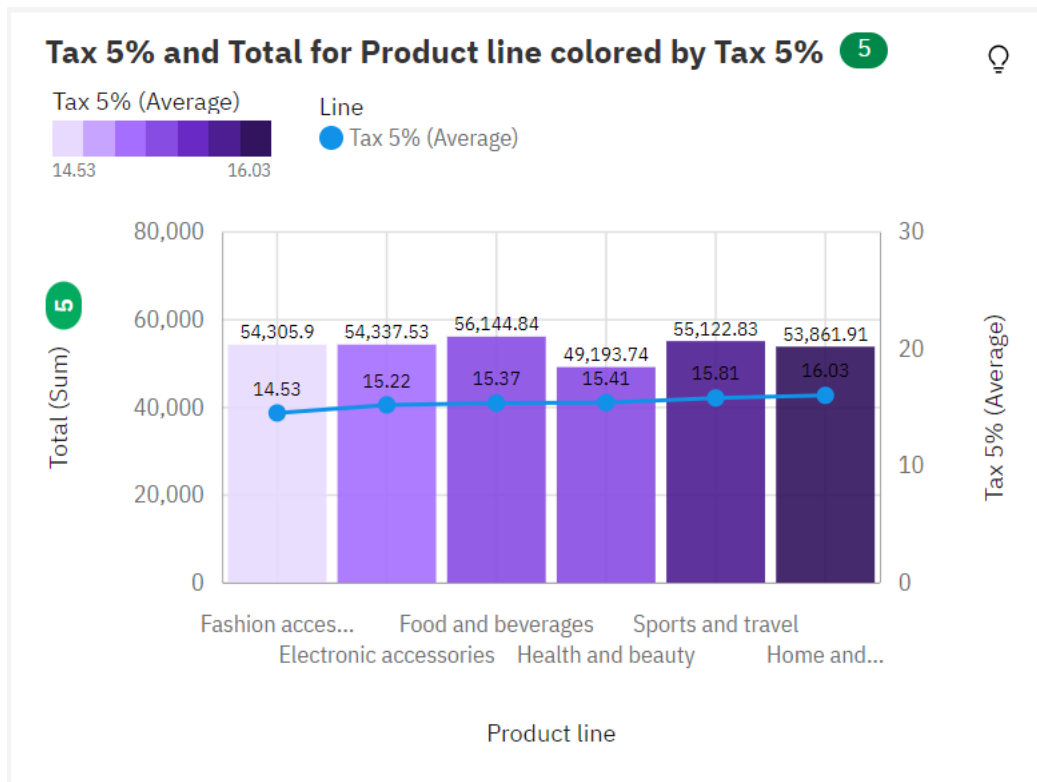
↕	Date	Year	Month	Day	Day of the week
	2019-01-05	2019	1	5	Saturday
	2019-03-08	2019	3	8	Friday
	2019-03-03	2019	3	3	Sunday
	2019-01-27	2019	1	27	Sunday
	2019-02-08	2019	2	8	Friday
	2019-03-25	2019	3	25	Monday
	2019-02-25	2019	2	25	Monday
	2019-02-24	2019	2	24	Sunday
	2019-01-10	2019	1	10	Thursday
					

ips  Custom tables

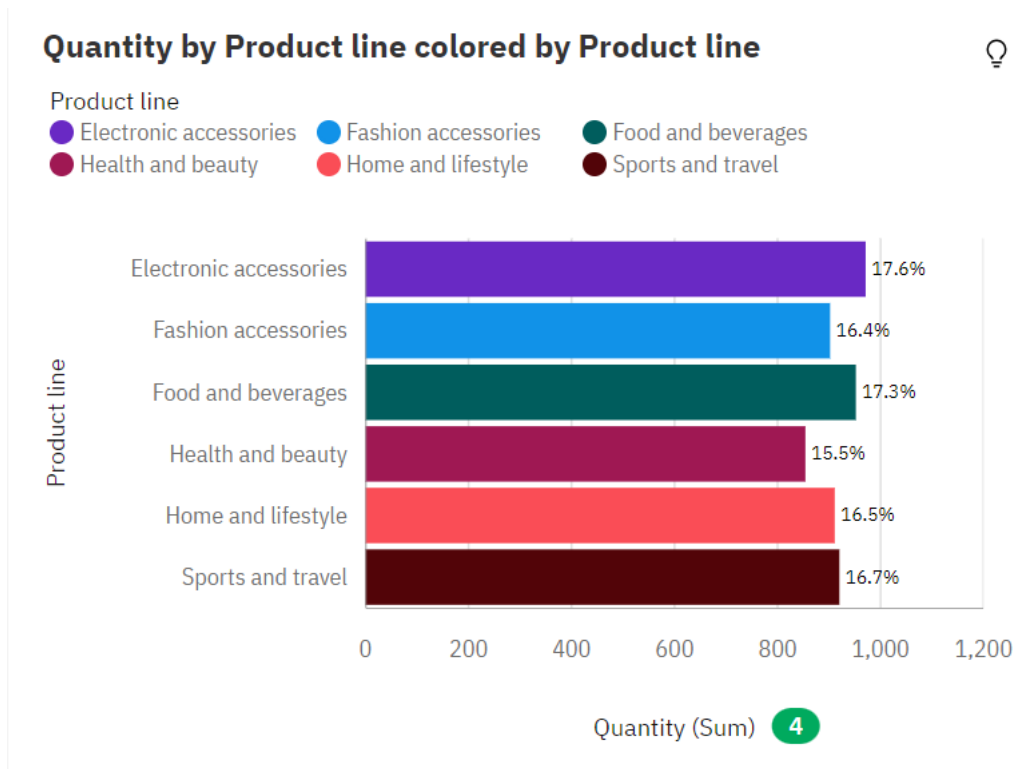
Time	Payment	cogs	Rating
13:08:00	Ewallet	522.83	9.1
10:29:00	Cash	76.4	9.6
13:23:00	Credit card	324.31	7.4
20:33:00	Ewallet	465.76	8.4
10:37:00	Ewallet	604.17	5.3
18:30:00	Ewallet	597.73	4.1
14:36:00	Ewallet	413.04	5.8
11:38:00	Ewallet	735.6	8
17:15:00	Credit card	72.52	7.2
			

SUPERMARKET SALES EXPLORATION:

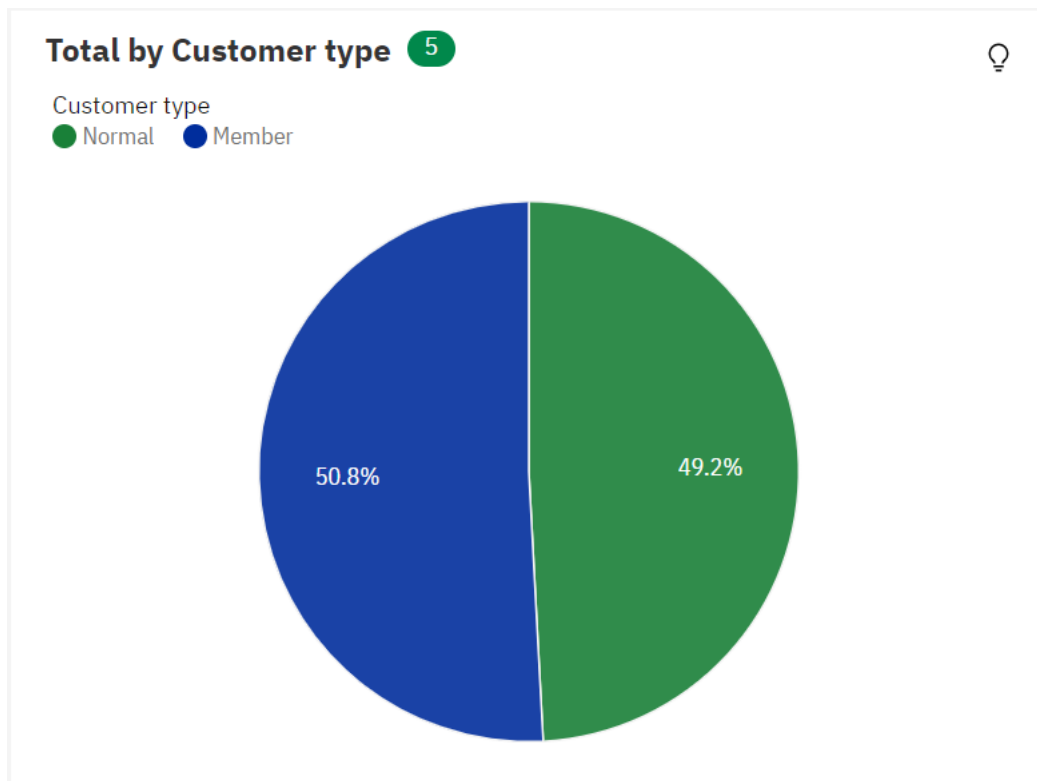
Line and Column Graph



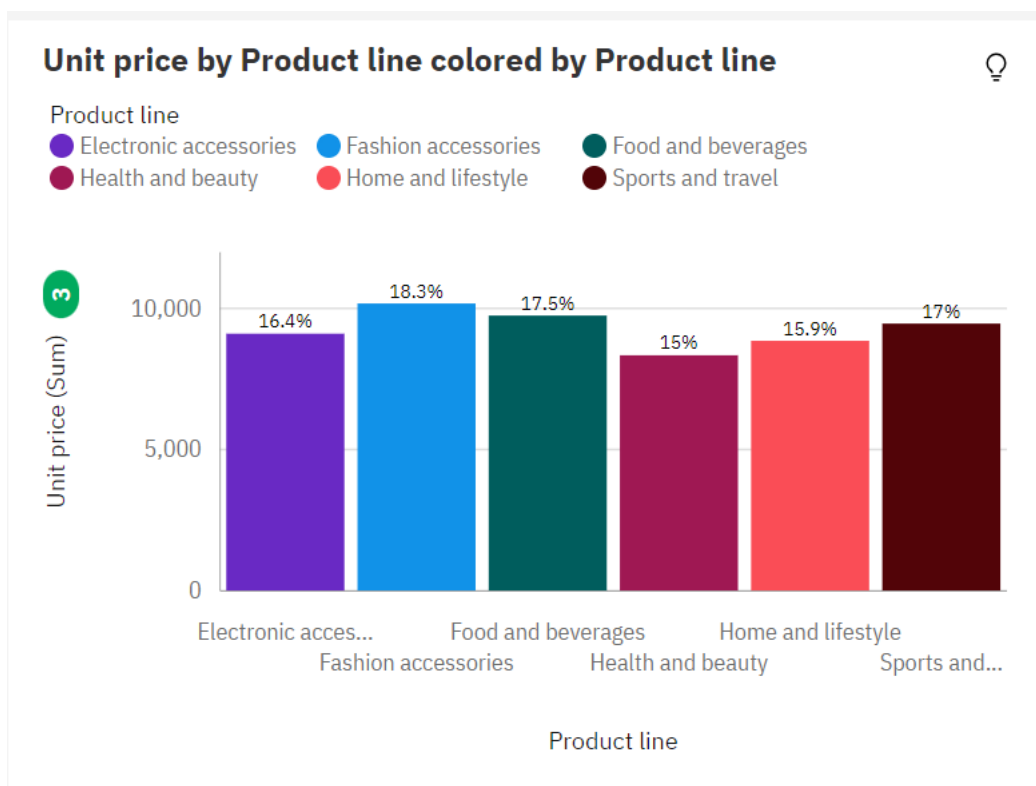
Bar Graph



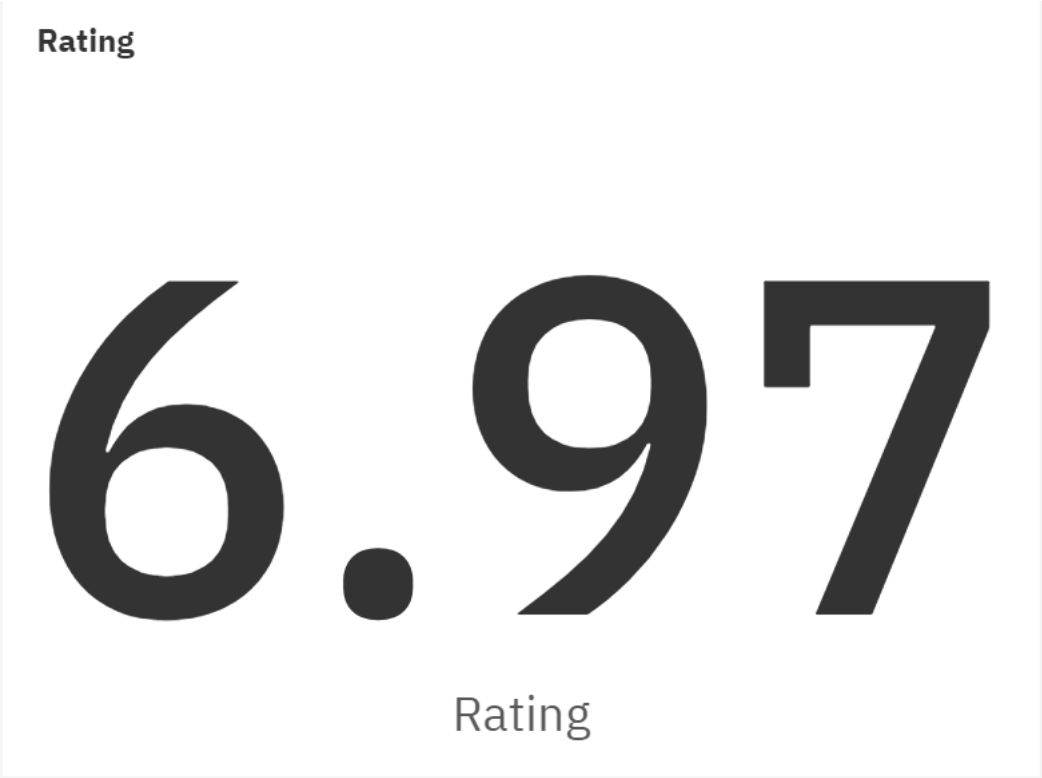
Pie Chart



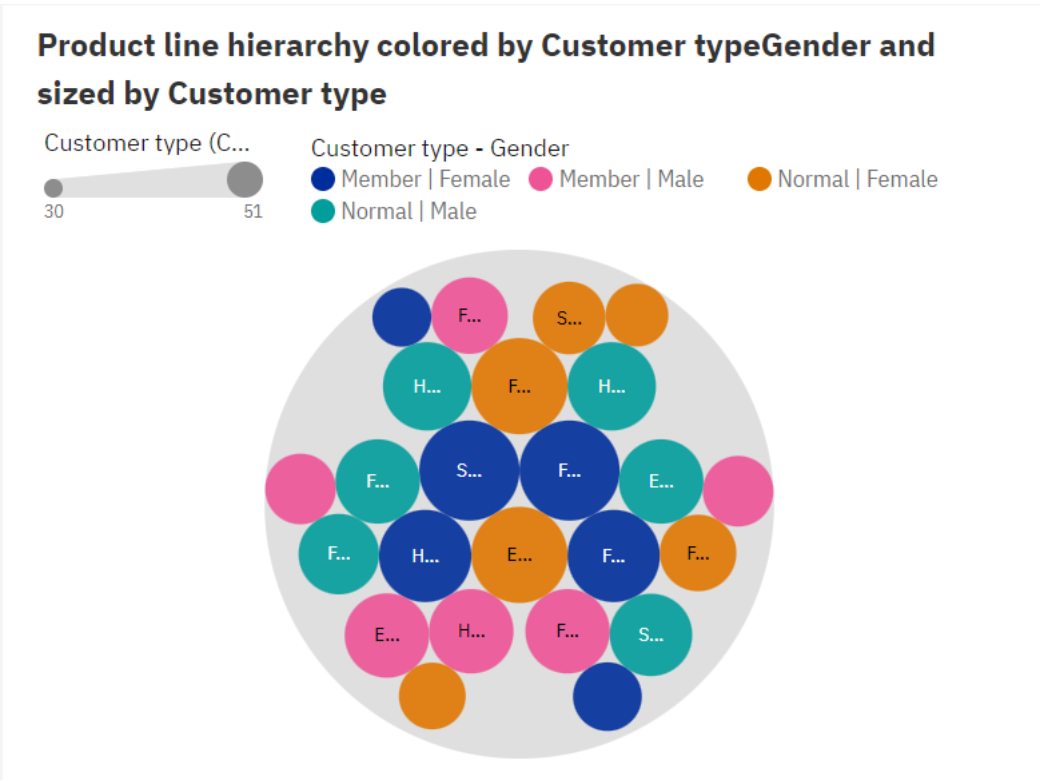
Column Graph



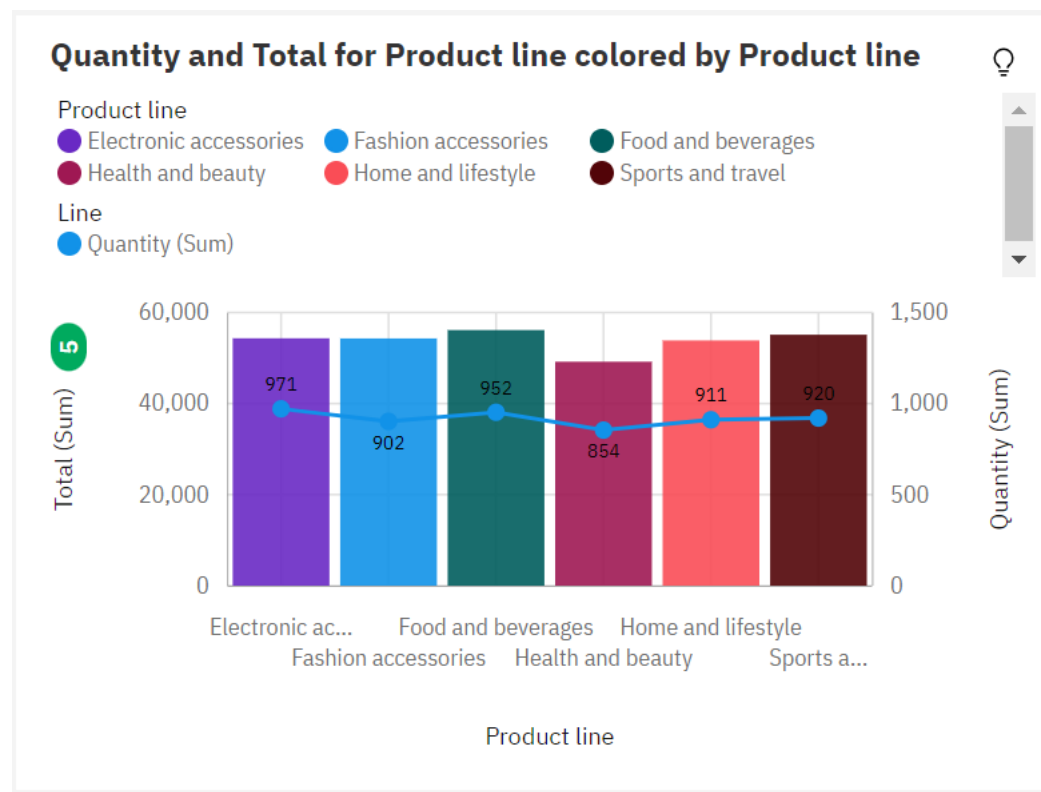
Summary Chart



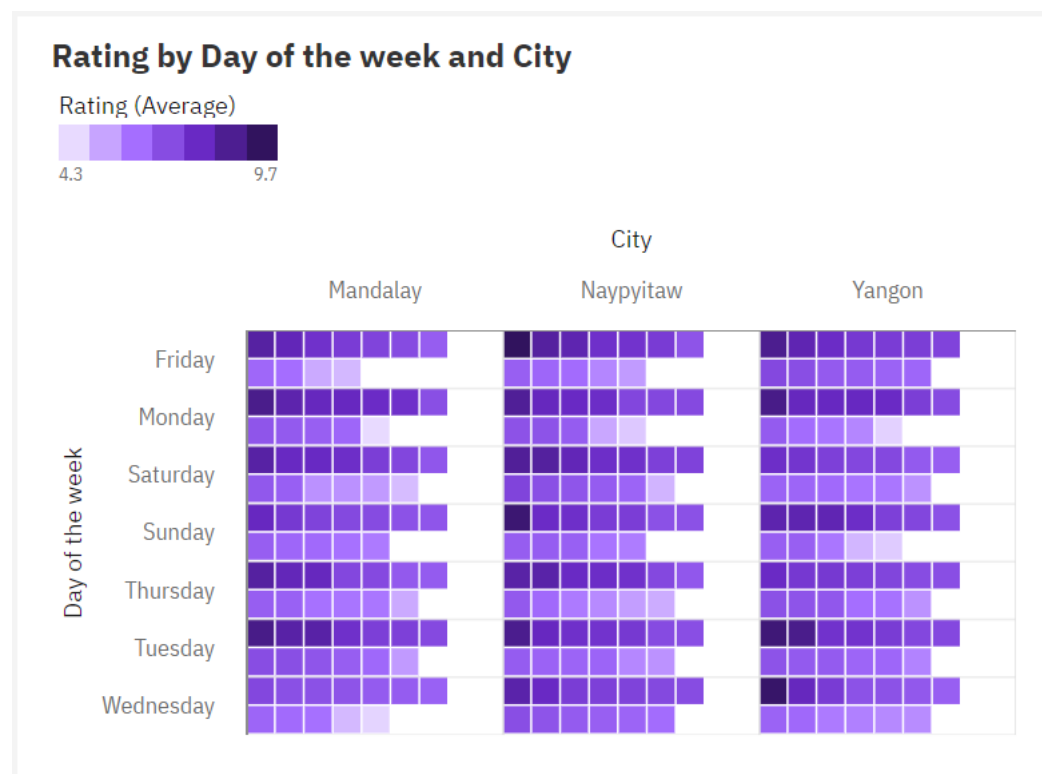
Hierarchy Bubble Chart



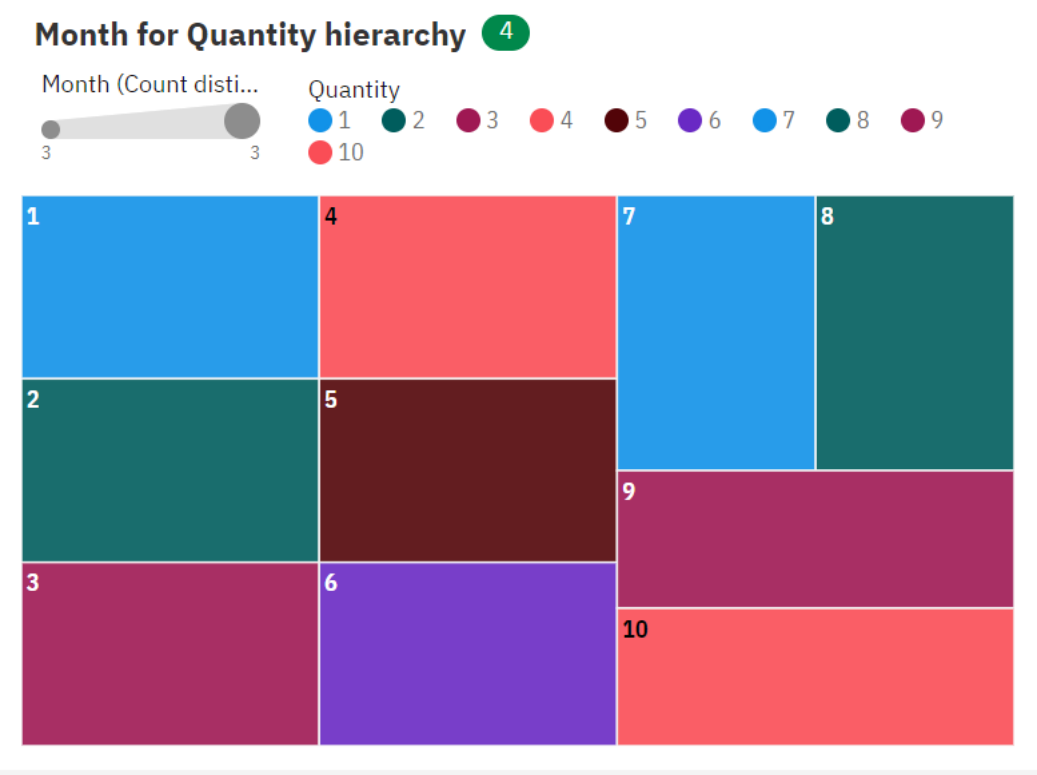
Line and Column Graph



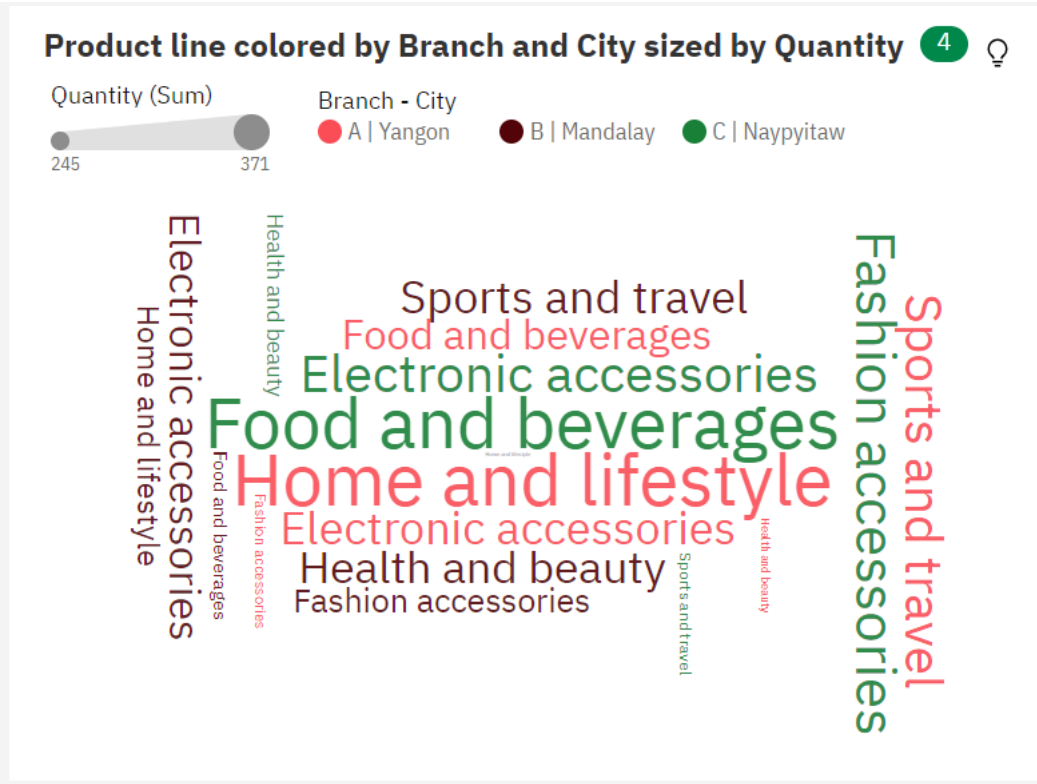
Heat Map



Tree Map



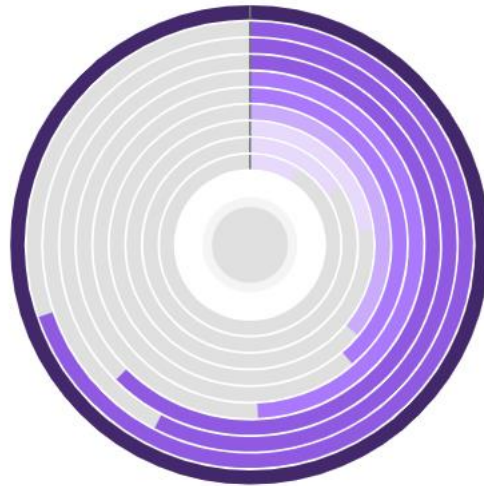
Word Cloud



Radial

Total by Quantity colored by Quantity 9

Quantity (Sum)



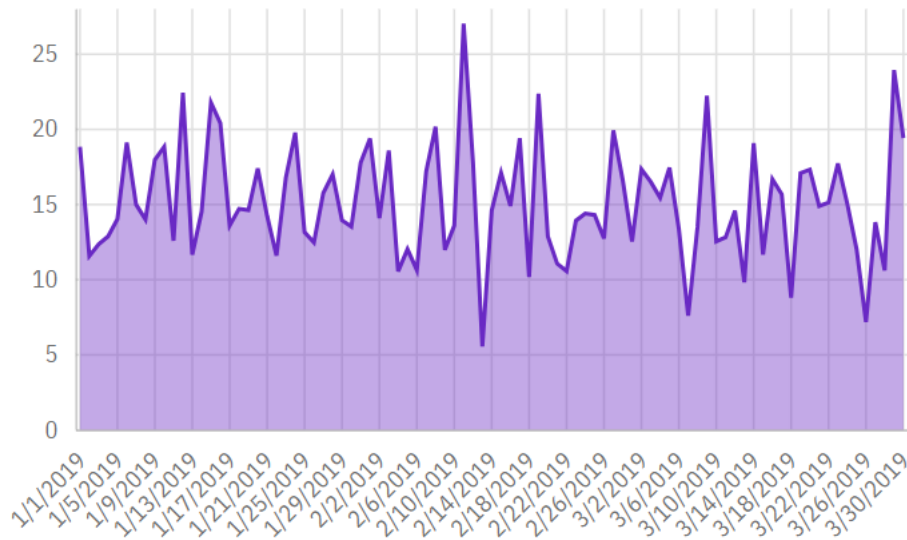
Area Graph

Tax 5% by Date



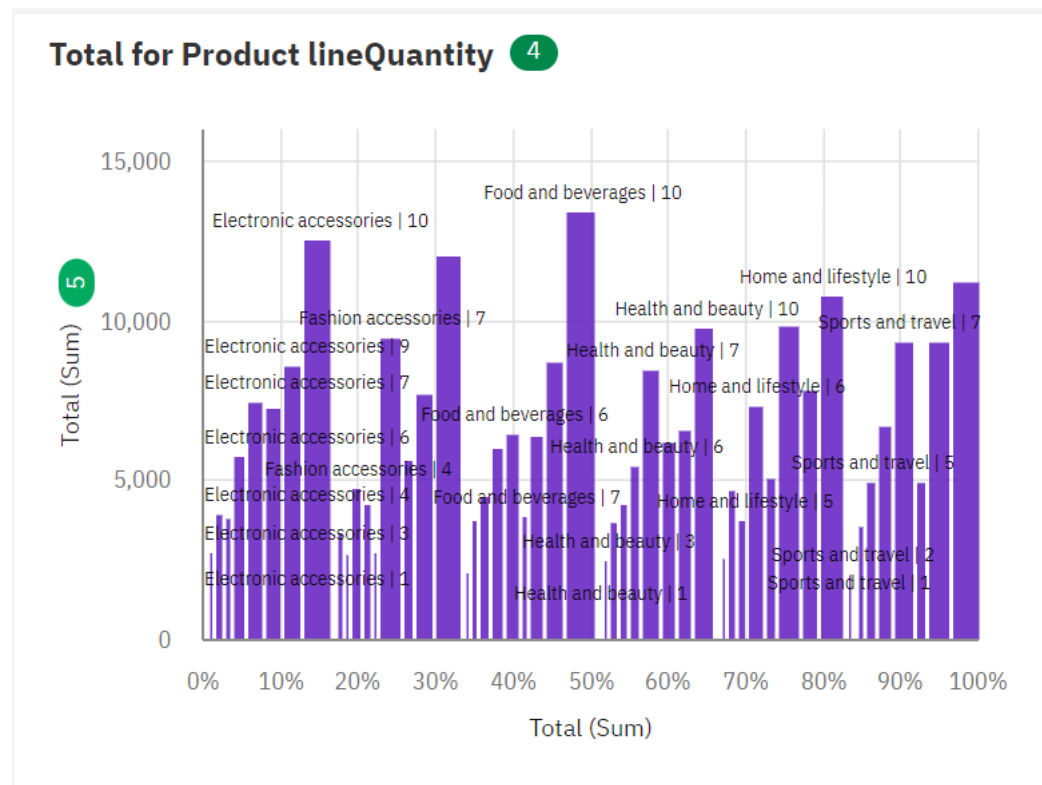
5

Tax 5% (Average)

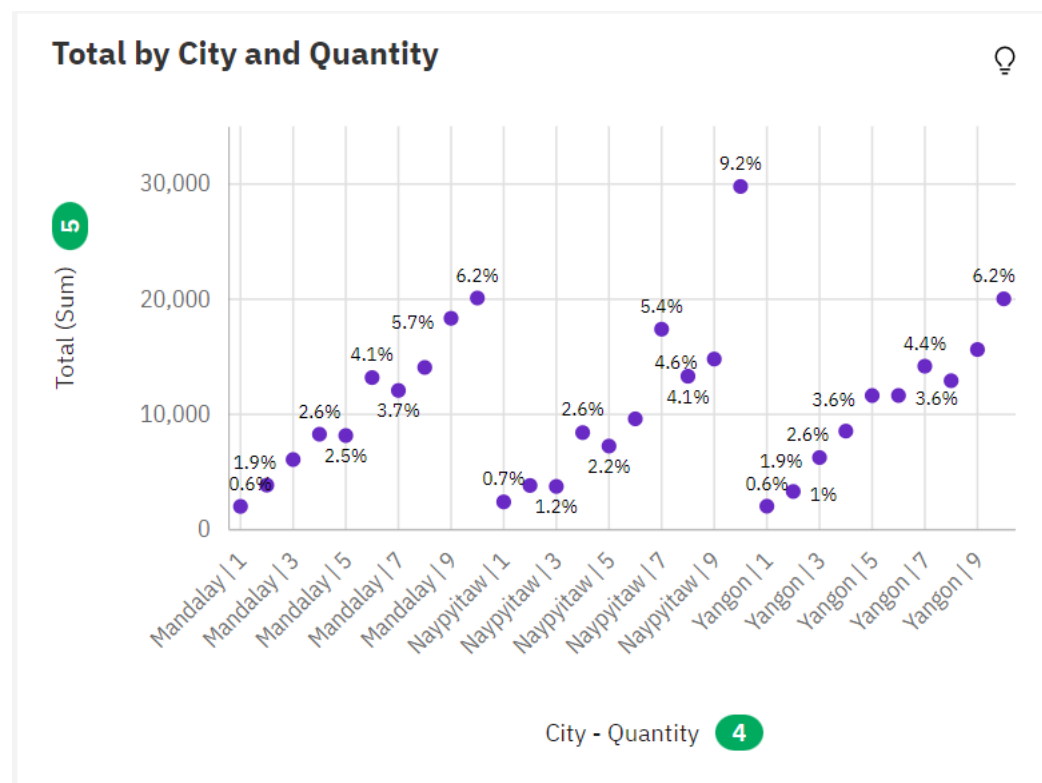


Date

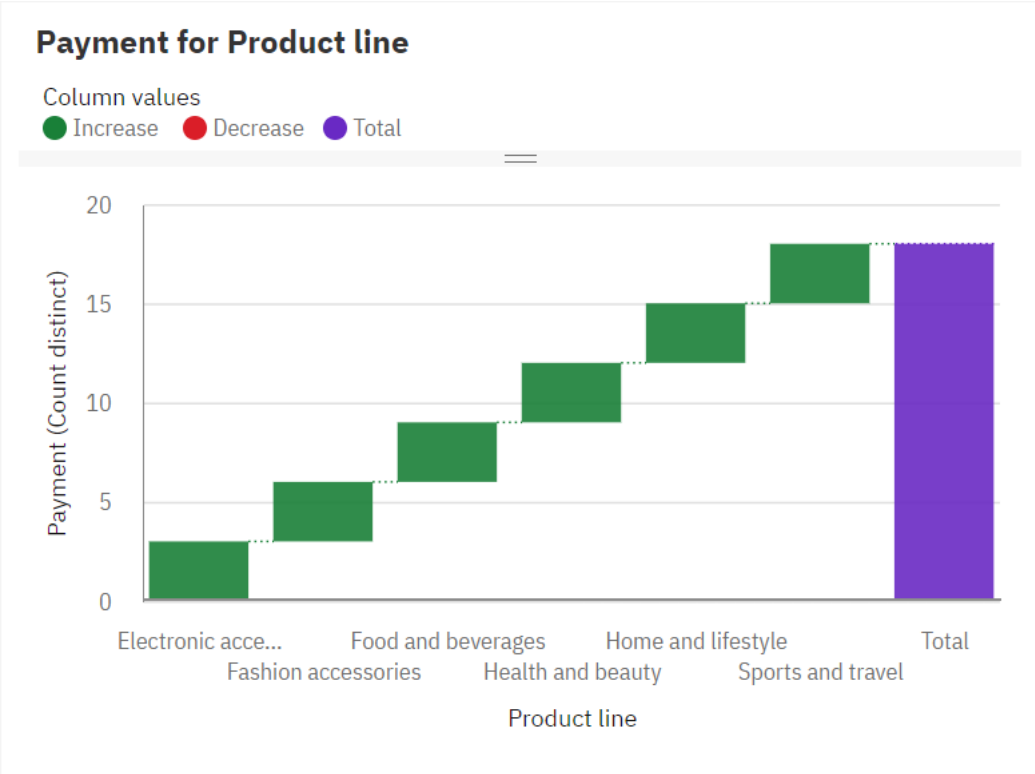
Marimekko



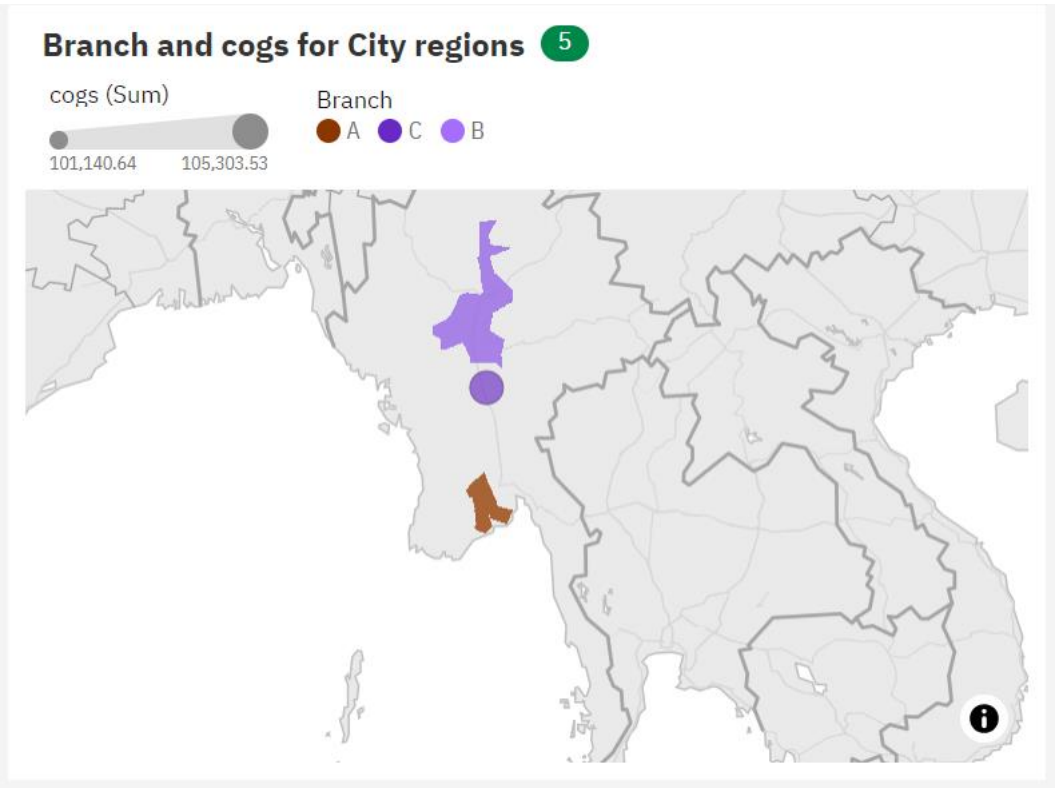
Point Graph



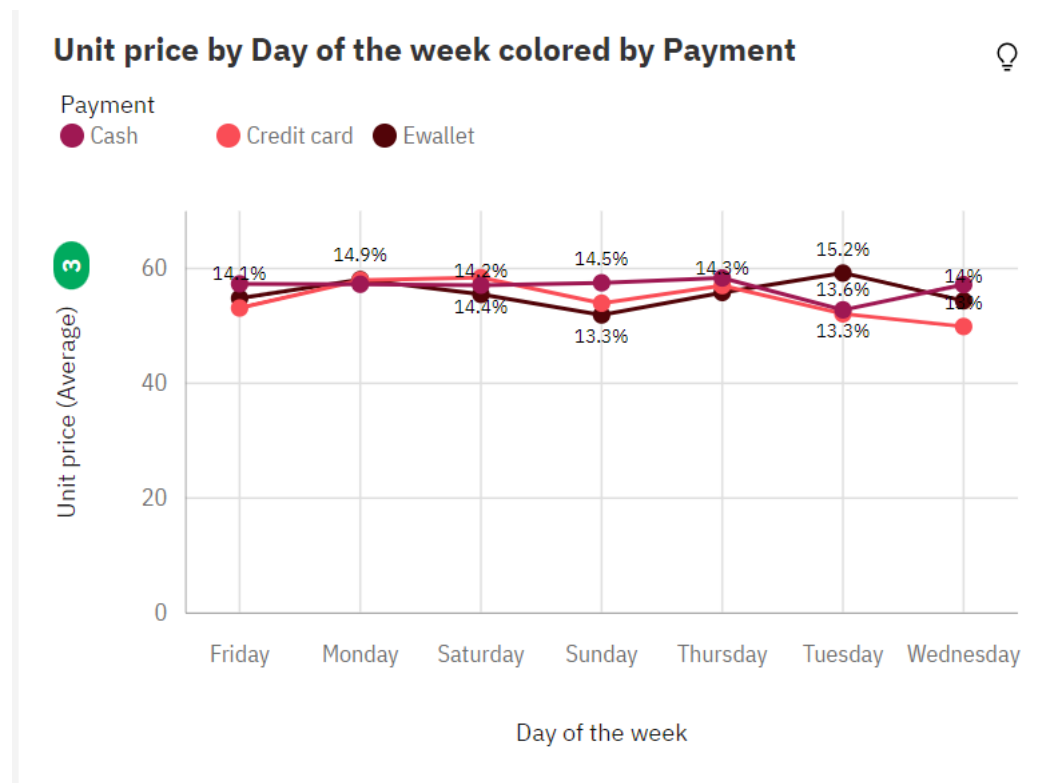
Waterfall Graph



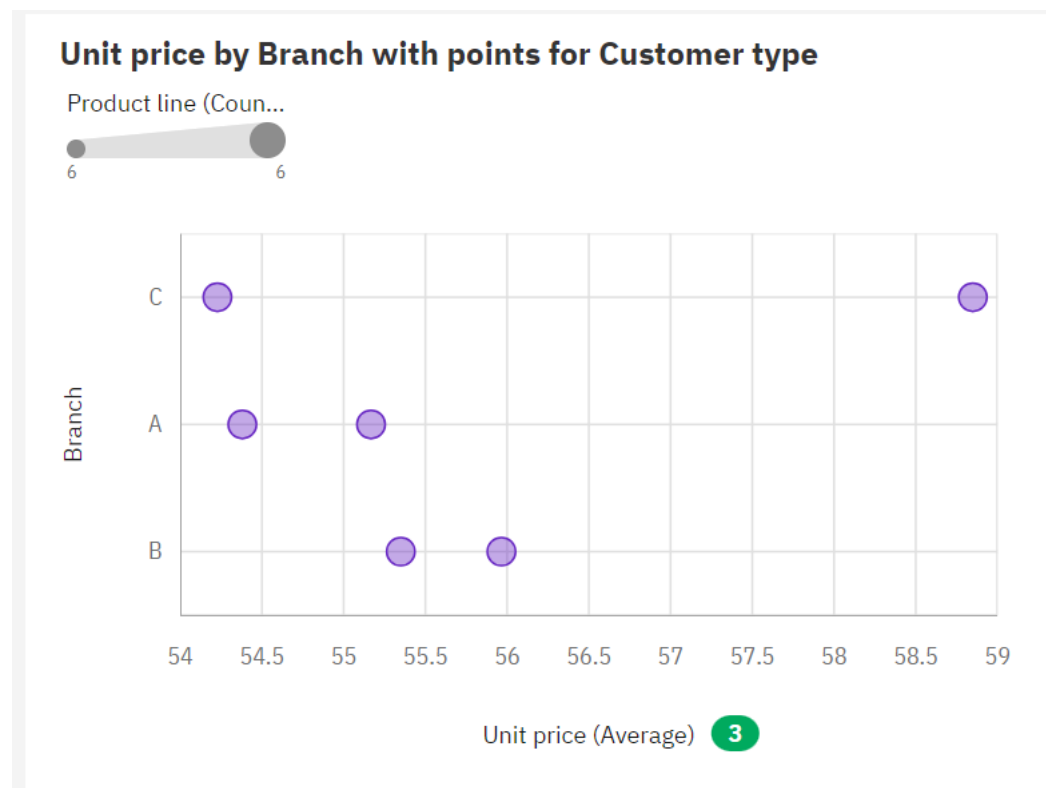
Map



Line Graph



Bubble Graph



Crosstab

Total for Product line, Branch and City5

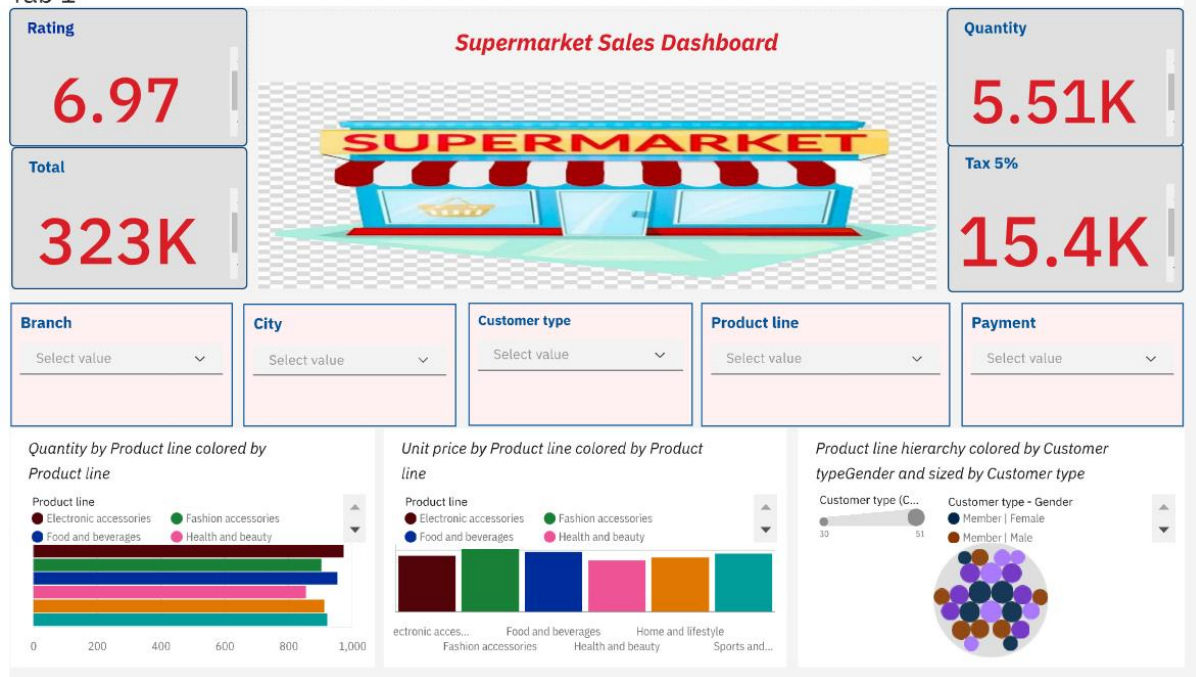
Total		Electronic access...	Fashion accessor...	Food and bevera...	Health and beauty	Home and lifestyle
A	Yangon	18,317.11	16,332.51	17,163.1	12,597.75	22,417.2
	Summary	18,317.11	16,332.51	17,163.1	12,597.75	22,417.2
B	Mandalay	17,051.44	16,413.32	15,214.89	19,980.66	17,549.16
	Summary	17,051.44	16,413.32	15,214.89	19,980.66	17,549.16
C	Naypyitaw	18,968.97	21,560.07	23,766.85	16,615.33	13,895.55
	Summary	18,968.97	21,560.07	23,766.85	16,615.33	13,895.55
Summary		54,337.53	54,305.89	56,144.84	49,193.74	53,861.91

Total for Product line, Branch and City5

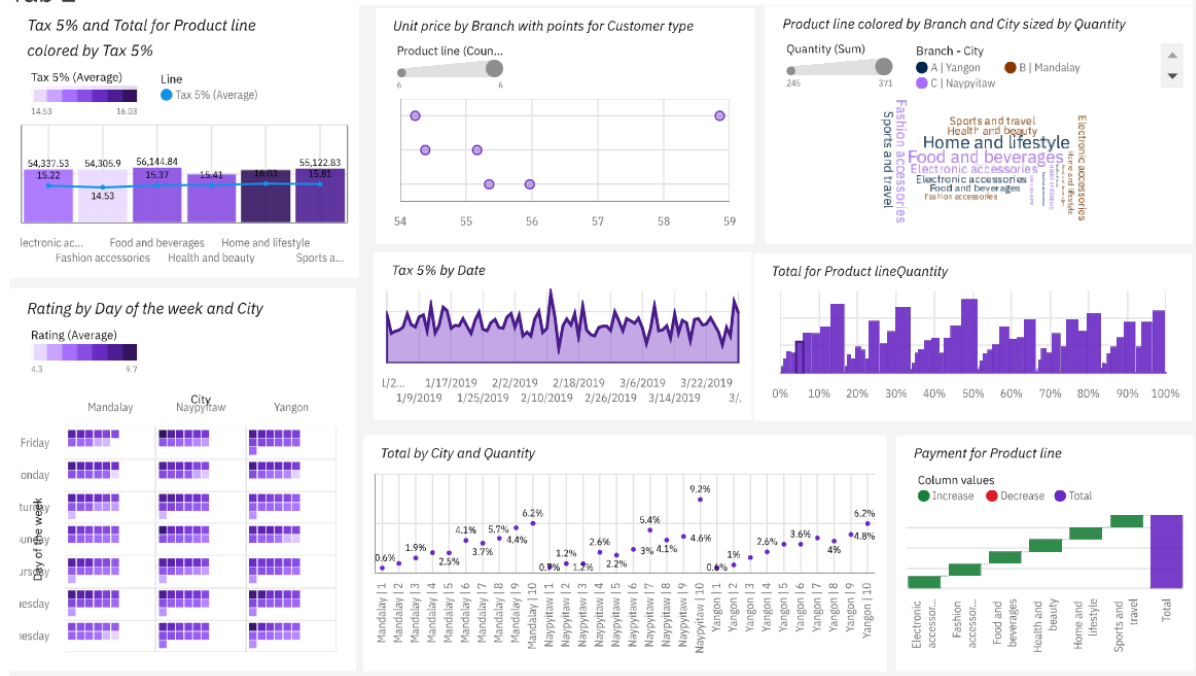
Total		Food and bevera...	Health and beauty	Home and lifestyle	Sports and travel	Summary
A	Yangon	17,163.1	12,597.75	22,417.2	19,372.7	106,200.37
	Summary	17,163.1	12,597.75	22,417.2	19,372.7	106,200.37
B	Mandalay	15,214.89	19,980.66	17,549.16	19,988.2	106,197.67
	Summary	15,214.89	19,980.66	17,549.16	19,988.2	106,197.67
C	Naypyitaw	23,766.85	16,615.33	13,895.55	15,761.93	110,568.71
	Summary	23,766.85	16,615.33	13,895.55	15,761.93	110,568.71
Summary		56,144.84	49,193.74	53,861.91	55,122.83	322,966.75

SUPERMARKET SALES DASHBOARD

Tab 1



Tab 2



Tab 3

