

Data Visualization on Supermarket Growth Analysis

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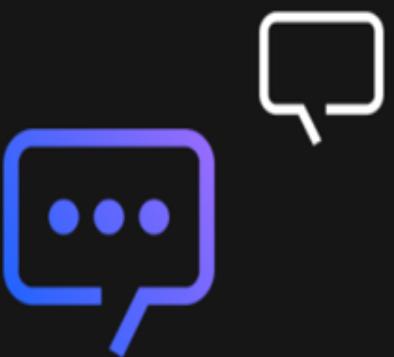
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Create content from existing data

Locate data sources in the Content view, and create content based on these sources.

							Properties
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Data module +

Grid Relationships Custom tables

Search

Invoice ID Branch City Customer type Gender Product line Unit pr

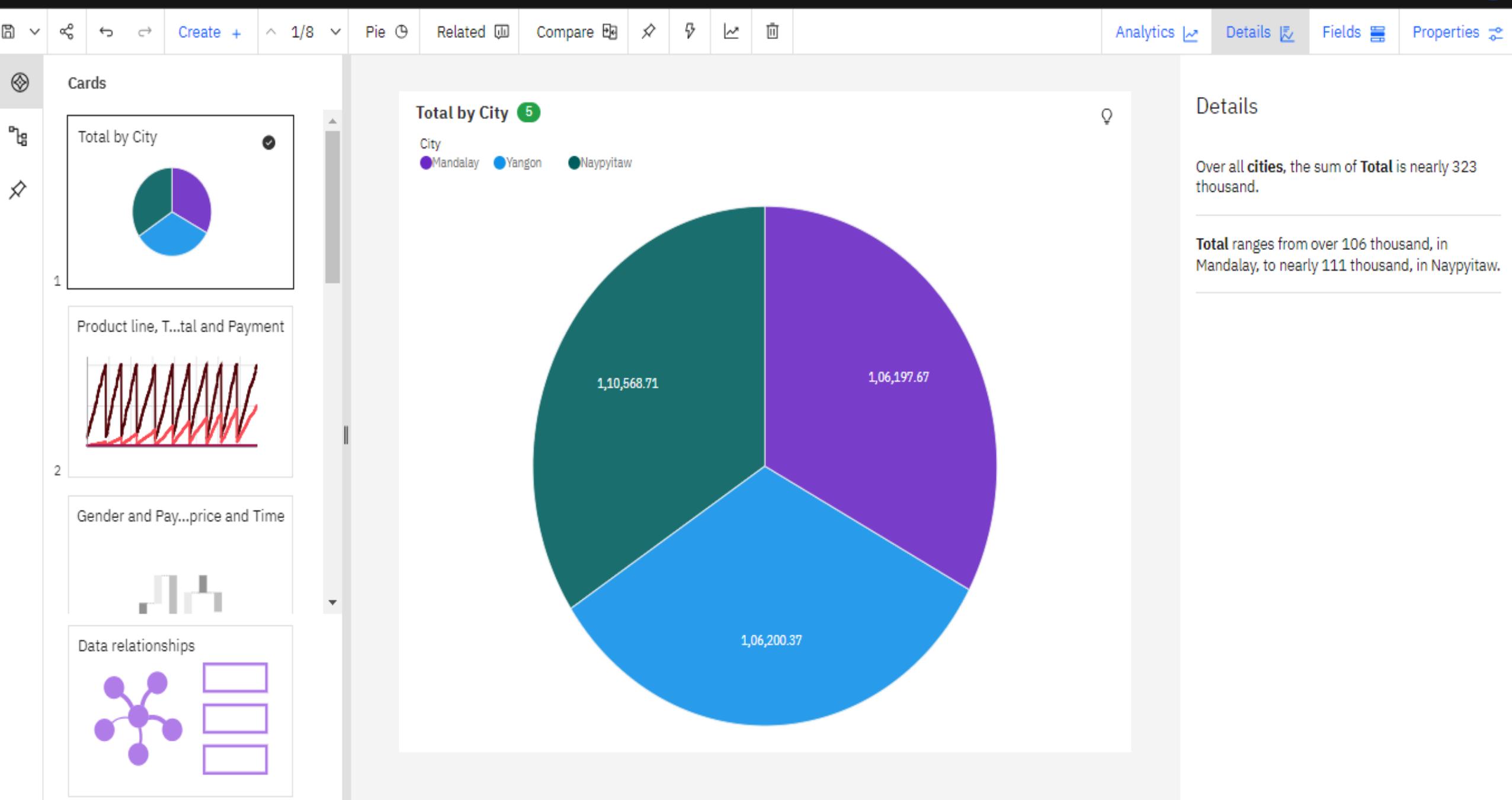
Invoice ID	Branch	City	Customer type	Gender	Product line	Unit pr
750-67-8428	A	Yangon	Member	Female	Health and beauty	74.6
226-31-3081	C	Naypyitaw	Normal	Female	Electronic accessories	15.2
631-41-3108	A	Yangon	Normal	Male	Home and lifestyle	46.3
123-19-1176	A	Yangon	Member	Male	Health and beauty	58.2
373-73-7910	A	Yangon	Normal	Male	Sports and travel	86.3
699-14-3026	C	Naypyitaw	Normal	Male	Electronic accessories	85.3
355-53-5943	A	Yangon	Member	Female	Electronic accessories	68.8
315-22-5665	C	Naypyitaw	Normal	Female	Home and lifestyle	73.5
665-32-9167	A	Yangon	Member	Female	Health and beauty	36.2
692-92-5582	B	Mandalay	Member	Female	Food and beverages	54.8
351-62-0822	B	Mandalay	Member	Female	Fashion accessories	14.4

VISUALIZATIONS

IBM Cognos Analytics

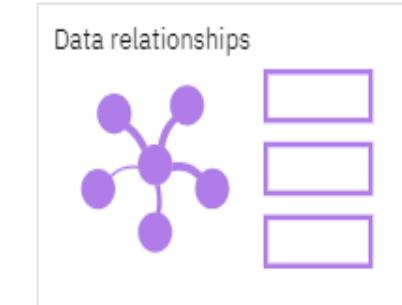
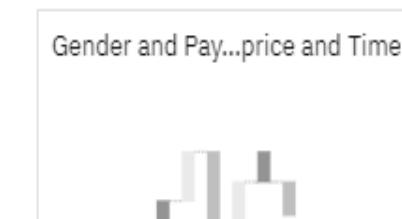
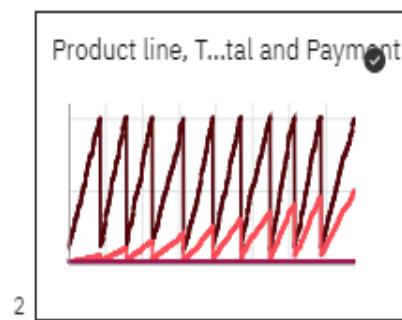
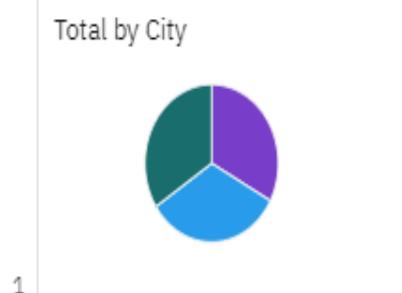
* Supermarket_DS ... exploration ▾

341





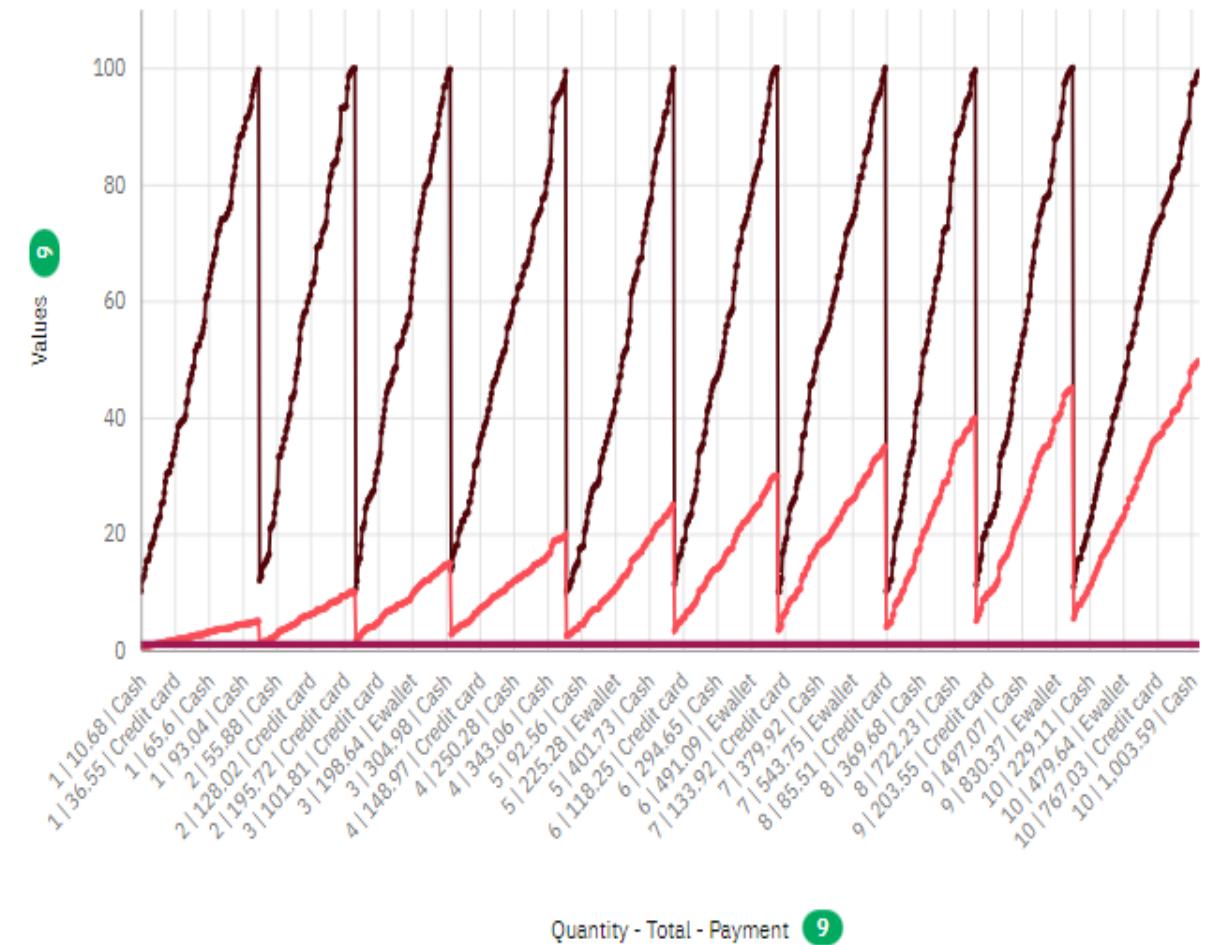
Cards



Product line, Tax 5% and Unit price by Quantity, Total and Payment

Measures

● Product line ● Tax 5% ● Unit price



Details

The total number of results for **Tax 5%**, across all **quantity - total - payments**, is a thousand.

The total number of results for **Unit price**, across all **quantity - total - payments**, is a thousand.

The total number of results for **Product line**, across all **quantity - total - payments**, is a thousand.

The average values of **Tax 5%** range from 0.5085, occurring when **Quantity - Total - Payment** is 1|10.6785|Cash, to 49.65, when **Quantity - Total - Payment** is 10|1042.65|Credit card.

The average values of **Unit price** range from 10.08, occurring when **Quantity - Total - Payment** is 7|74.088|Cash, to 99.96, when **Quantity - Total - Payment** is 7|734.706|Cash.

10|833.595|Cash is the most frequently occurring category of **Quantity - Total - Payment**.

Open menu Create 3/8 Waterfall Related Compare Analytics Details Fields Properties

Cards

- 1 Product line, Total and Payment
- 2 Gender and Pay...price and Time
- 3 Total
- 4 Data relationships

Gender and Payment for Unit price and Time

Column values
● Increase ● Decrease ● Total

Values

Unit price - Time 4

The total number of results for **Gender**, across all **unit price - times**, is a thousand.

The total number of results for **Payment**, across all **unit price - times**, is a thousand.

Cards

- Gender and Pay...price and Time
- Total 5
- Product line by...ored by Branch
- Data relationships

Analytics Details Fields Properties

323K

Total

The overall number of results for Total is a thousand.

Cards

Product line by...ored by Branch



5

Invoice ID, Dat...er and Payment

Invoice ID	Date	Gender	Payment
101-17-6199	3/13/2019	Male	Credit card
101-81-4070	1/17/2019	Female	Ewallet
102-06-2002	3/20/2019	Male	Cash
102-77-2261	3/5/2019	Male	Credit card
105-10-6182	2/27/2019	Male	Ewallet
105-31-1824	2/1/2019	Male	Credit card
106-35-6779	3/27/2019	Male	Cash
109-28-2512	1/7/2019	Female	Ewallet
109-86-4363	2/14/2019	Female	Credit card
110-05-6330	3/25/2019	Female	Credit card
110-48-7033	1/29/2019	Male	Cash
114-35-5271	2/7/2019	Female	Cash
115-38-7388	3/30/2019	Female	Credit card
115-99-4379	3/14/2019	Female	Credit card
118-62-1812	3/24/2019	Female	Cash
120-06-4233	3/12/2019	Male	Cash

6

Tax 5%



Data relationships



Invoice ID, Date, Gender and Payment

Invoice ID	Date	Gender	Payment
101-17-6199	3/13/2019	Male	Credit card
101-81-4070	1/17/2019	Female	Ewallet
102-06-2002	3/20/2019	Male	Cash
102-77-2261	3/5/2019	Male	Credit card
105-10-6182	2/27/2019	Male	Ewallet
105-31-1824	2/1/2019	Male	Credit card
106-35-6779	3/27/2019	Male	Cash
109-28-2512	1/7/2019	Female	Ewallet
109-86-4363	2/14/2019	Female	Credit card
110-05-6330	3/25/2019	Female	Credit card
110-48-7033	1/29/2019	Male	Cash
114-35-5271	2/7/2019	Female	Cash
115-38-7388	3/30/2019	Female	Credit card
115-99-4379	3/14/2019	Female	Credit card
118-62-1812	3/24/2019	Female	Cash
120-06-4233	3/12/2019	Male	Cash

Details

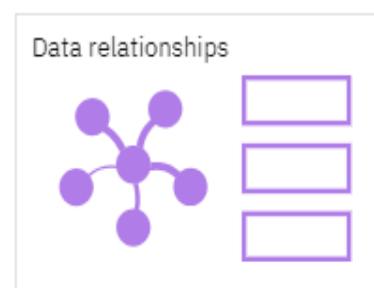
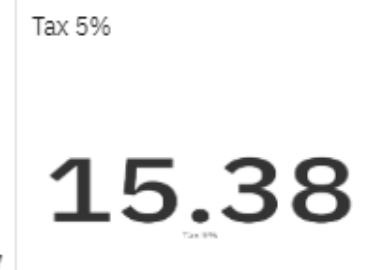


No details found

No details were found for this visualization.



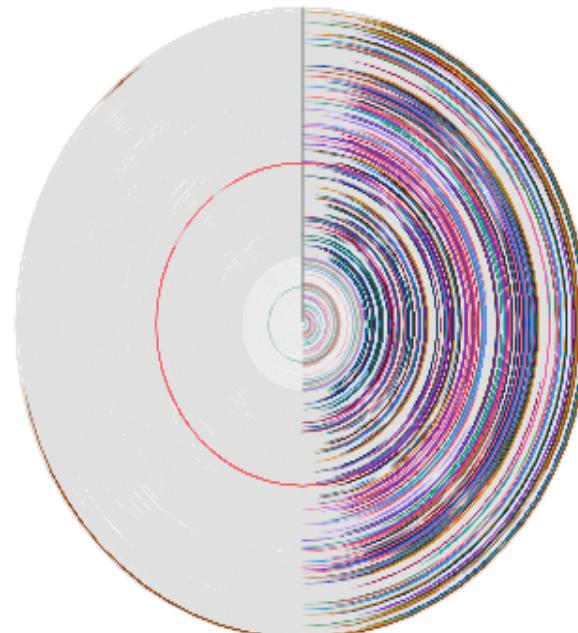
Cards



Gender by Branch colored by Unit price and Branch 4

Unit price (Average) - Branch

10.08 A	10.13 A	10.16 C	10.17 C	10.18 C	10.53 C	10.56 A	10.59 B	10.69 A	10.75 B
10.96 A	10.99 C	11.28 B	11.43 A	11.53 A	11.81 C	11.85 B	11.94 A	12.03 A	12.05 C
12.09 A	12.1 B	12.12 C	12.19 C	12.29 B	12.34 A	12.45 C	12.54 C	12.73 C	12.76 A
12.78 C	13.22 B	13.5 B	13.59 B	13.69 B	13.78 B	13.79 A	13.85 C	13.98 C	14.23 A
14.36 C	14.39 C	14.48 B	14.62 A	14.7 C	14.76 B	14.82 B	14.87 C	14.96 B	15.26 A
15.28 C	15.34 A	15.37 C	15.43 C	15.49 C	15.5 A	15.55 A	15.62 C	15.69 A	15.8 A
15.8 C	15.81 A	15.87 A	15.95 C	16.16 B	16.28 C	16.31 C	16.37 B	16.45 C	16.48 C
16.49 B	16.67 C	17.04 C	17.14 C	17.41 C	17.42 A	17.44 C	17.48 B	17.49 B	17.63 B



Details

The overall number of results for **Gender** is a thousand.

A is the most frequently occurring category of **Branch** with a count of 340 items with **Gender** values (34 % of the total).

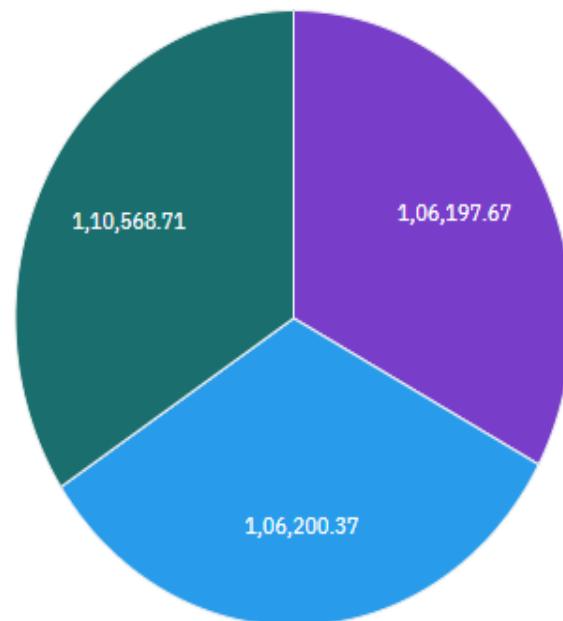
34.42|A (0.2 %), 36.36|A (0.2 %), 95.54|B (0.2 %), 98.7|C (0.2 %), and 26.26|B (0.2 %) are the most frequently occurring categories of **Unit price - Branch** with a combined count of 10 items with **Gender** values (1 % of the total).

DASHBOARD

Edit 100% Analytics Filters SuperMarket SuperMarket1 SuperMarket2

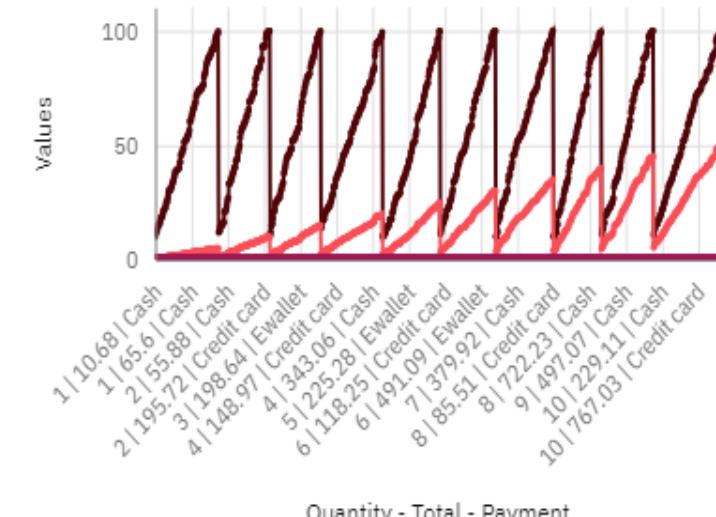
Total by City

City

 Mandalay Yangon Naypyitaw

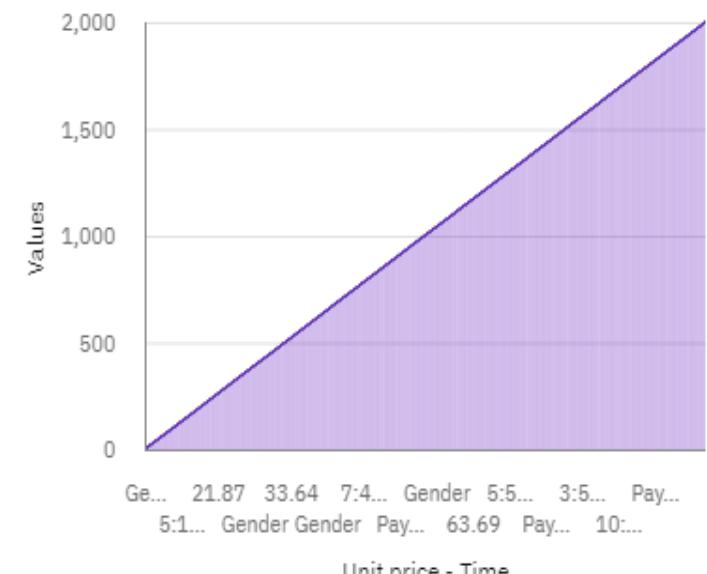
Product line, Tax 5% and Unit price by Quantity, Total and Payment

Measures

 Product line Tax 5% Unit price

Gender and Payment for Unit price and Time

Column values

 Increase Decrease Total

[Open menu](#) [H](#) [undo](#) [redo](#) [refresh](#)100% [🔍](#)[Analytics](#) ↗[Filters](#) ↗[SuperMarket](#)[SuperMarket1](#)[SuperMarket2](#)

Total

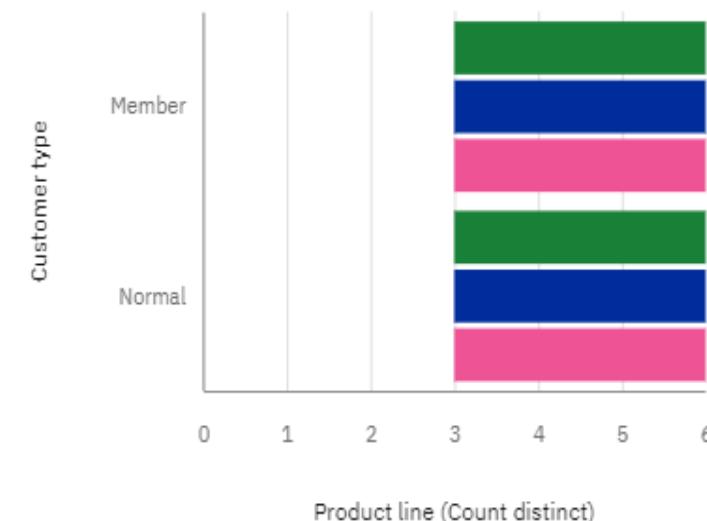
323K

Total

Product line by Customer type colored by Branch

Branch

● A ● B ● C



Invoice ID, Date, Gender and Payment

Invoice ID	Date	Gender	Payment
101-17-6199	3/13/2019	Male	Credit card
101-81-4070	1/17/2019	Female	Ewallet
102-06-2002	3/20/2019	Male	Cash
102-77-2261	3/5/2019	Male	Credit card
105-10-6182	2/27/2019	Male	Ewallet
105-31-1824	2/1/2019	Male	Credit card
106-35-6779	3/27/2019	Male	Cash
109-28-2512	1/7/2019	Female	Ewallet
109-86-4363	2/14/2019	Female	Credit card
110-05-6330	3/25/2019	Female	Credit card



Edit



▼



⟳



✓

100%



Analytics ↗

Filters 🛍

SuperMarket

SuperMarket1

SuperMarket2

Tax 5%

15.38

Tax 5%



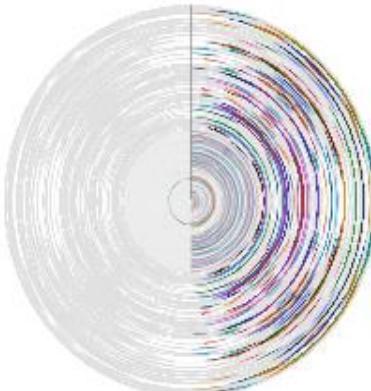
Gender by Branch colored by Unit price and Branch

Unit price (Average) - Branch

● 10.08 | A ● 10.13 | A ● 10.16 | C ● 10.17 | C ● 10.18 | C

● 10.53 | C ● 10.56 | A ● 10.59 | B ● 10.69 | A ● 10.75 | B

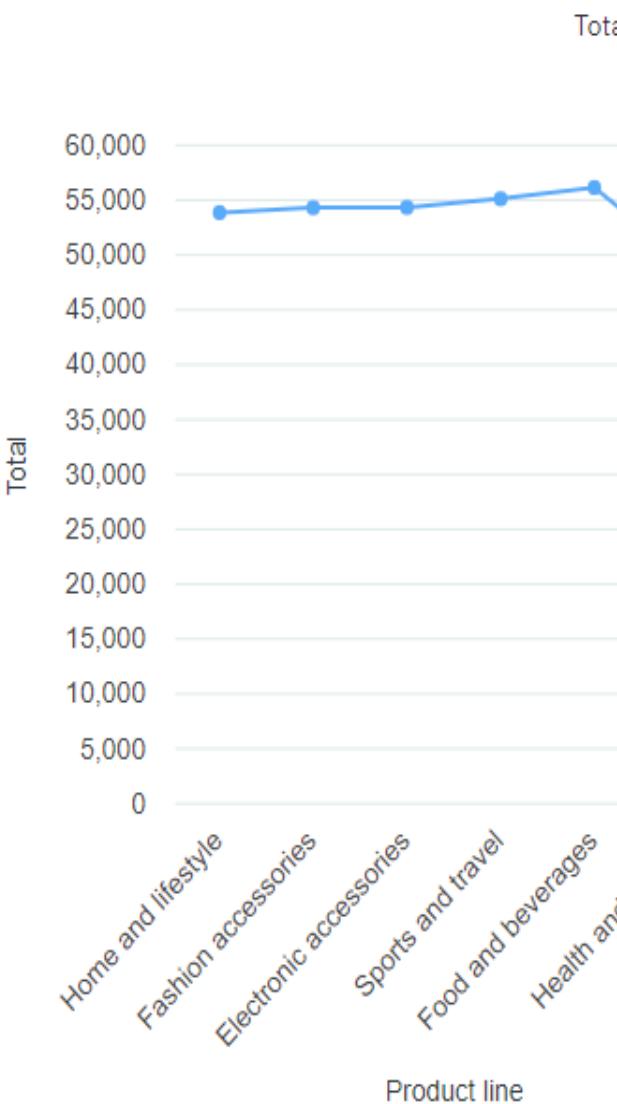
● 10.96 | A ● 10.99 | C ● 11.28 | B ● 11.43 | A ● 11.53 | A



REPORT



Super Market Growth Analysis



Total
Total

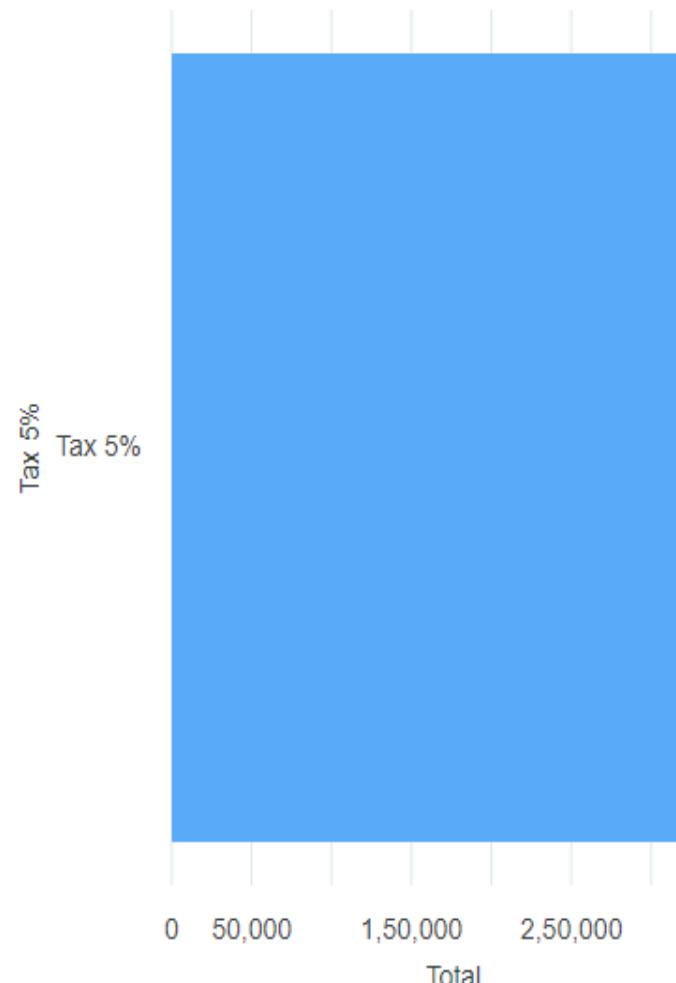
Gross Income



Total

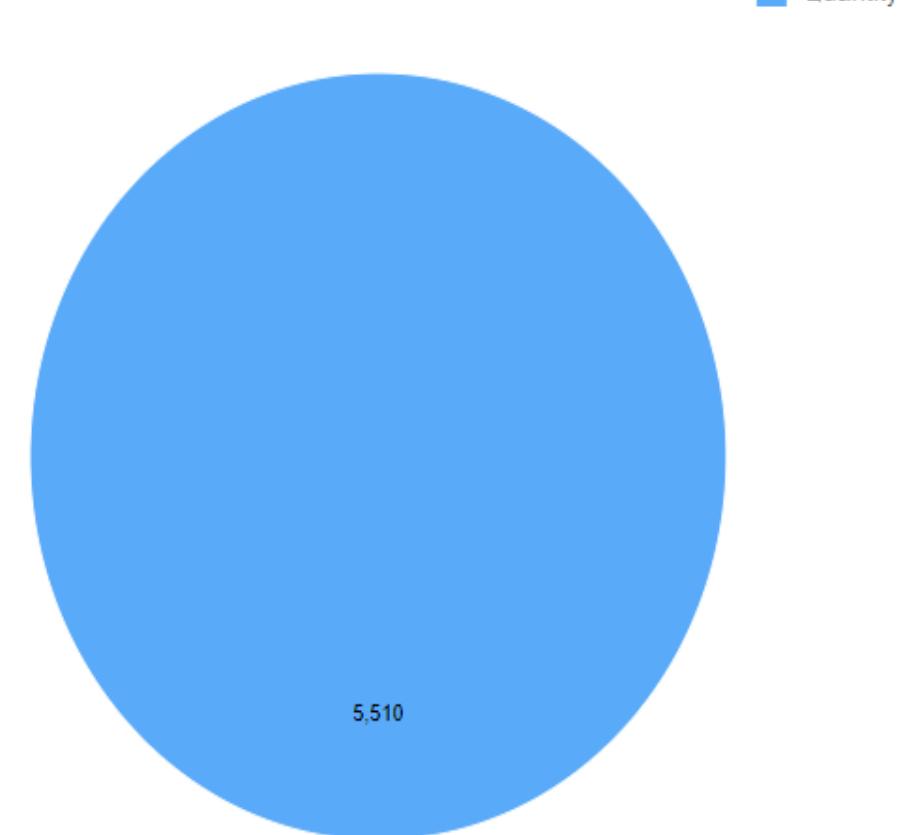


Tax



Total

Quantity



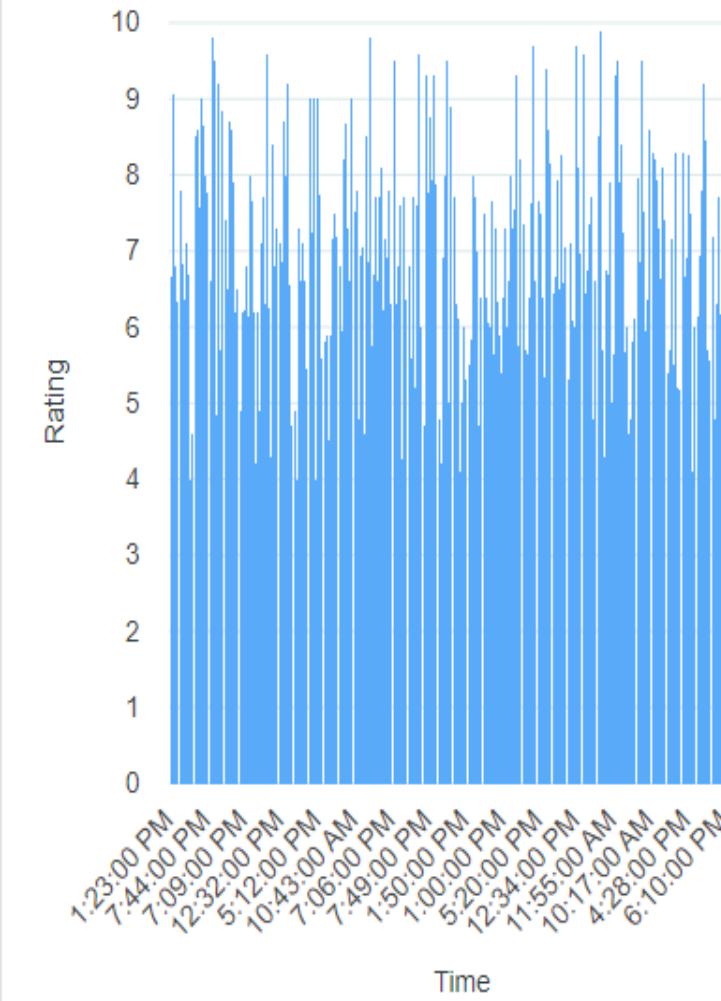
Quantity

Ratings

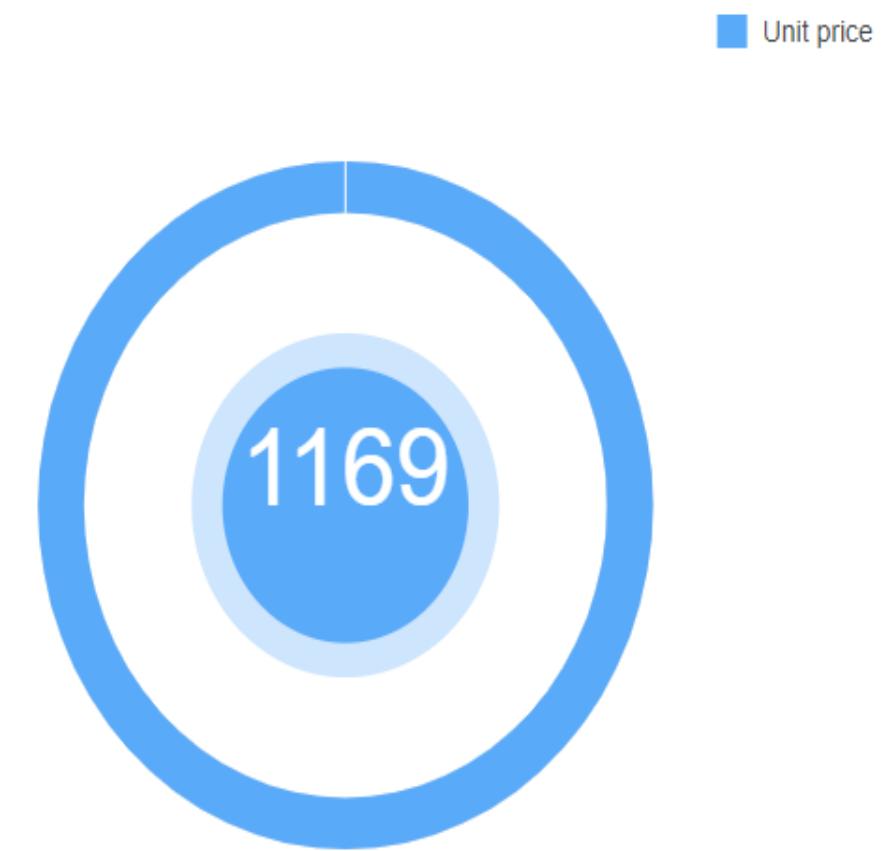
Unit Price



Ratings



Unit Price



STORY

Super Market Growth Analysis



Super Market Growth Analysis

- Tax 5% has a moderate downward trend.
- Date 2/13/2019 has the lowest average Tax 5% at 5.56, followed by 3/26/2019 at 7.19.
- Date 2/11/2019 has the highest average Tax 5% at 27.04, followed by 3/29/2019 at 23.95.
- Based on the current forecasting, Tax 5% may reach 14.27 by Date 4/17/2019.
- From 2/10/2019 to 2/11/2019, Tax 5% increased by 99%.
- The overall number of results for Tax 5% is a thousand.

Tax 5%

Tax 5% (Average):

15.38

Tax 5%

Edit

Analytics

Filters

Super Market Growth Analysis

- City Naypyitaw has the highest values of both Total and cogs.
- Over all cities, the sum of Total is nearly 323 thousand.
- Total ranges from over 106 thousand, in Mandalay, to nearly 111 thousand, in Naypyitaw.
-

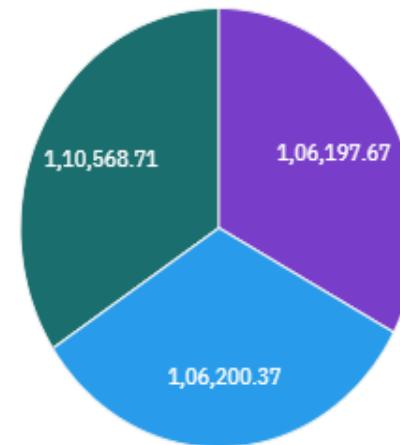
Total by City

City

Mandalay

Yangon

Naypyitaw



Edit

Analytics

Filters

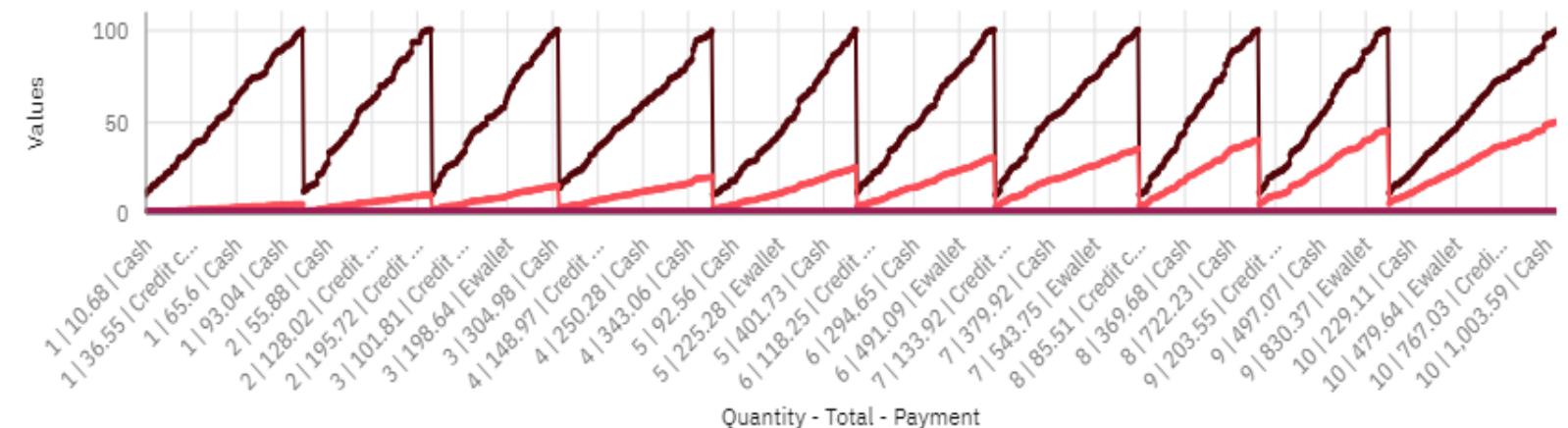
Super Market Growth Analysis

- Payment Cash has the highest values of both Tax 5% and gross income.
- Quantity 10 has the highest values of both Tax 5% and gross income.
- Total 734.706 has the highest Average Unit price but is ranked #90 in Total cogs.
- Total 829.08 has the highest Total cogs but is ranked #31 in Average Unit price.
- Quantity 10 has the highest Unit price at 6660, out of which Total 1042.65 contributed the most at 99.3.
- Total 263.97 Unit price from Quantity 4 is 62.85, whereas 87.234 is only 20.77.

Product line, Tax 5% and Unit price by Quantity, Total and Payment

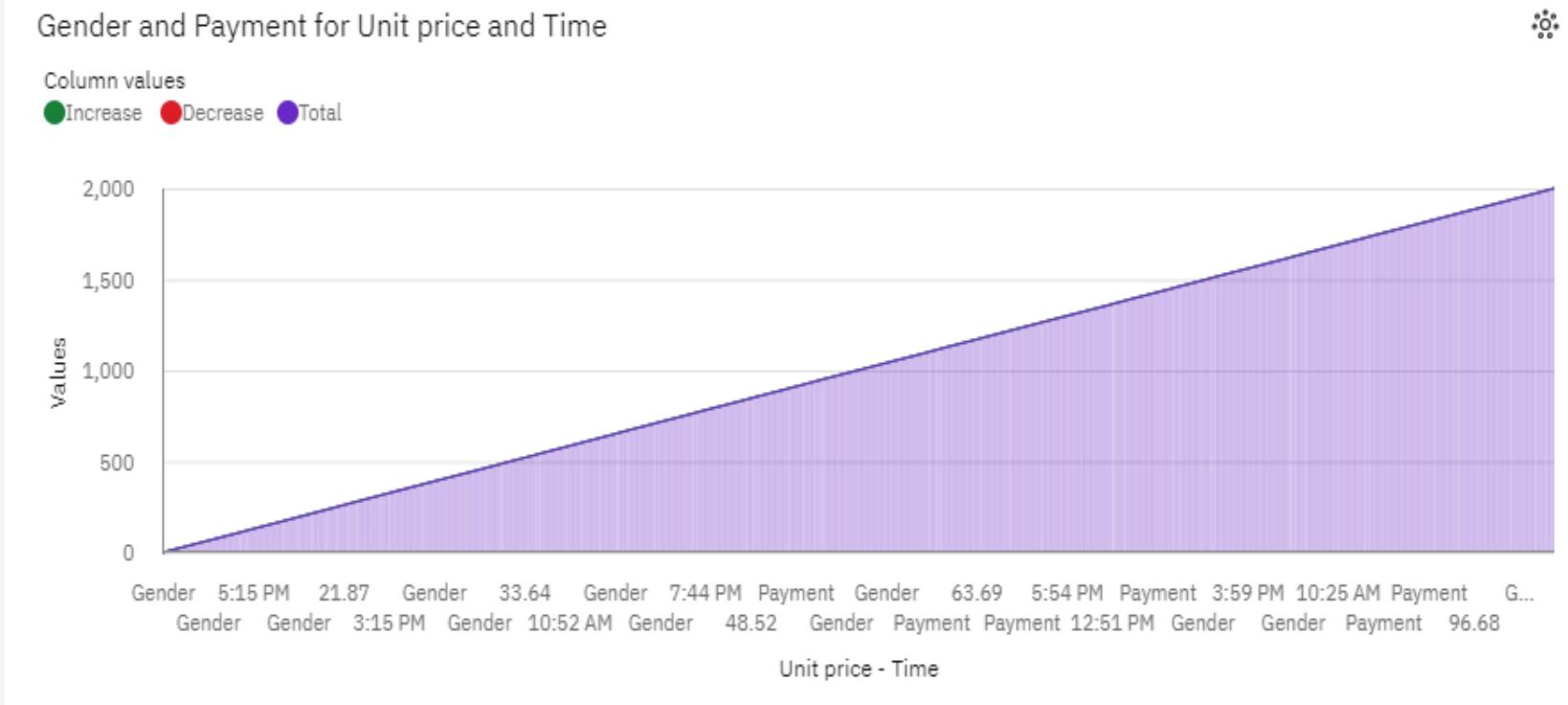
Measures

Product line Tax 5% Unit price



Super Market Growth Analysis

- Unit price 83.77 has the highest Payment due to Time 10:54:00.
- Time 10:11:00 has the highest Count distinct Payment but is ranked #103 in Total Total.
- Unit price 87.87 has the highest Total cogs but is ranked #40 in Count distinct Payment.
- Unit price 83.77 has the highest Count distinct Payment but is ranked #39 in Total cogs.
- Time 19:48:00 has the highest Payment at 7, out of which Unit price 34.7 contributed the most at 1.
- Time 14:42:00 has the highest Total Total but is ranked #1 in Count distinct Payment.
- 17.04 has a Payment of 1 for Time 20:15:00.
- Add insight to favorites
- The total number of results for Gender, across all unit price - times, is a thousand.
- The total number of results for Payment, across all unit price - times, is a thousand.



Edit

Analytics

Filters

Super Market Growth Analysis

- Total at 934.24, followed by 3/18/2019 at 1292.83.
- Date 3/9/2019 has the highest total Total at nearly 7500, followed by 2/7/2019 at over 7 thousand.
- Based on the current forecasting, Total may reach over 3500 by Date 4/17/2019.
- From 3/13/2019 to 3/14/2019, Total increased by 250%.
- The overall number of results for Total is a thousand.

Total

323K

Total

Edit ↶ ↷ ↶ ↷ ⟳

Analytics

Filters

Super Market Growth Analysis

- highest Payment due to Branch A.
- Customer type Member has the highest values of both Payment and Total.
- Branch A has the highest Payment at 6, out of which Customer type Member contributed the most at 3.
- Branch A has the highest Count distinct Product line but is ranked #2 in Total Total.
- Branch C has the highest Total Total but is ranked #1 in Count distinct Product line.

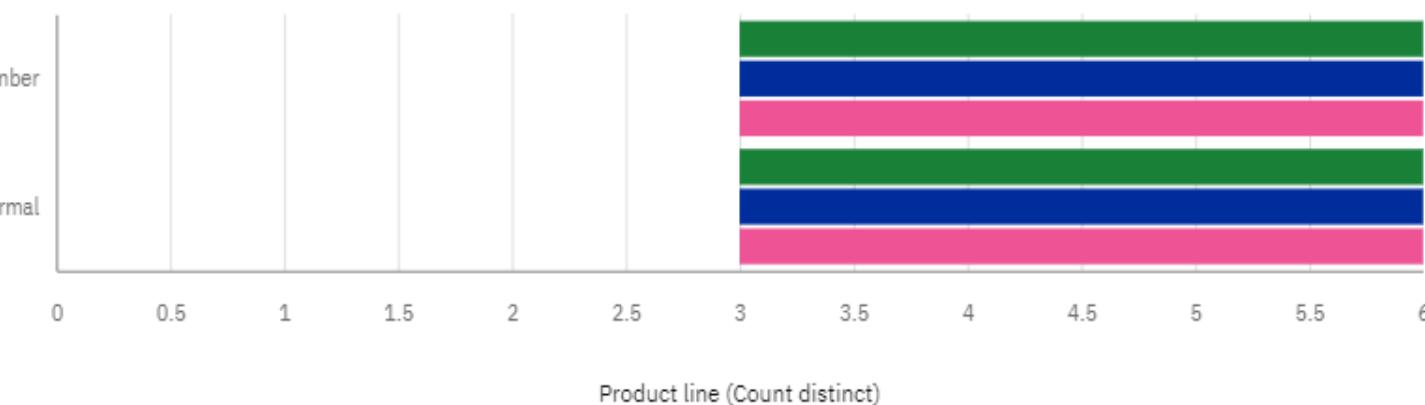
Product line by Customer type colored by Branch

Branch

A B C

Customer type

Member
Normal



Edit ↶ ↷ ↶ ↷ ↷

Analytics

Filters



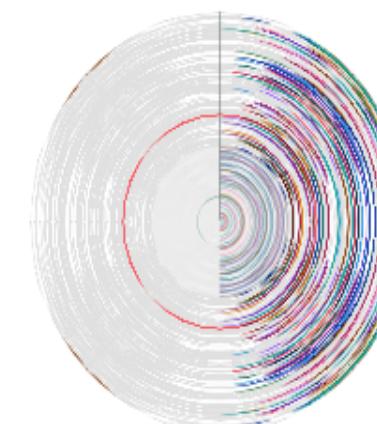
Super Market Growth Analysis

- Unit price 83.77 has the highest Gender due to Branch A.
- Unit price 15.5 has the highest Count distinct Gender but is ranked #619 in Total Total.
- Unit price 87.87 has the highest Total Total but is ranked #31 in Count distinct Gender.
- Branch A has the highest Gender at 336, out of which Unit price 15.5 contributed the most at 2.
- 98.7 has a Gender of 2 for Branch C.
- Branch A has the highest Count distinct Gender but is ranked #2 in Total Total.
- Branch C has the highest Total Total but is ranked #1 in Count distinct Gender.
- A is the most frequently occurring category of Branch with a count of 340 items with Gender values (34 % of the total).
- The overall number of results for Gender is a thousand.

Gender by Branch colored by Unit price and Branch

Unit price (Average) - Branch

10.08 | A 10.13 | A 10.16 | C 10.17 | C 10.18 | C 10.53 | C 10.56 | A 10.59 | B 10.69 | A 10.75 | B 10.96 | A 10.99 | C
11.28 | B 11.43 | A 11.53 | A 11.81 | C 11.85 | B 11.94 | A 12.03 | A 12.05 | C 12.09 | A 12.1 | B 12.12 | C 12.19 | C
12.29 | B 12.34 | A 12.45 | C 12.54 | C 12.73 | C 12.76 | A 12.78 | C 13.22 | B 13.5 | B 13.59 | B 13.69 | B 13.78 | B
13.79 | A 13.85 | C 13.98 | C 14.23 | A 14.36 | C 14.39 | C 14.48 | B 14.62 | A 14.7 | C 14.76 | B 14.82 | B 14.87 | C
14.96 | R 15.26 | A 15.28 | C 15.34 | A 15.37 | C 15.43 | C 15.49 | C 15.5 | A 15.55 | A 15.62 | C 15.69 | A 15.8 | A



THANK YOU