

IBM Data Analytics

Assignment 1

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21BCE9524

VIT-AP

Data Module

IBM Cognos Analytics | Supermarket sales data module

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

- Supermarket...ata module
 - Navigation paths
 - Supermark...sales.csv
 - Row Id
 - Branch
 - City
 - Customer type
 - Gender
 - Product line
 - Unit price
 - Quantity
 - Tax 5%

Row Id	Branch	City	Customer type	Gender	Product line
1	A	Yangon	Member	Female	Health and beau
2	C	Naypyitaw	Normal	Female	Electronic acces
3	A	Yangon	Normal	Male	Home and lifest
4	A	Yangon	Member	Male	Health and beau
5	A	Yangon	Normal	Male	Sports and trav
6	C	Naypyitaw	Normal	Male	Electronic acces
7	A	Yangon	Member	Female	Electronic acces
8	C	Naypyitaw	Normal	Female	Home and lifest
9	A	Yangon	Member	Female	Health and beau

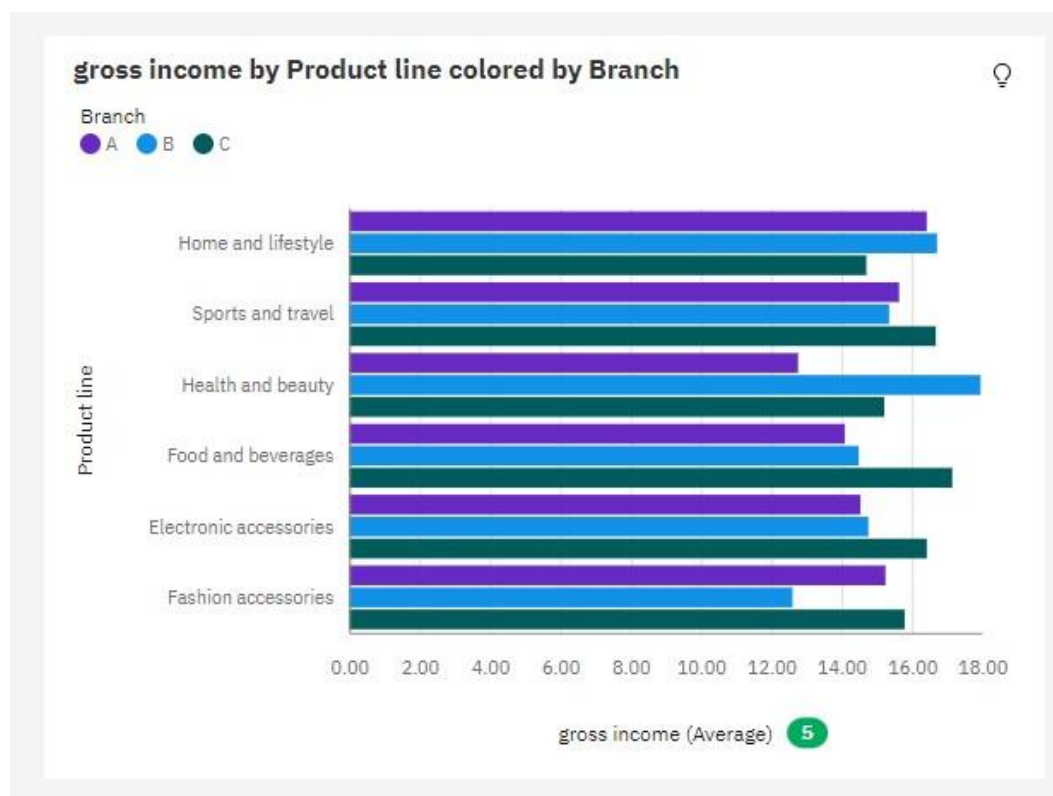
IBM Cognos Analytics

Supermarket sales data module

36°

gross income	Rating
26.14	9.1
3.82	9.6
16.22	7.4
23.29	8.4
30.21	5.3
29.89	4.1
20.65	5.8
36.78	8
3.63	7.2
8.23	5.9

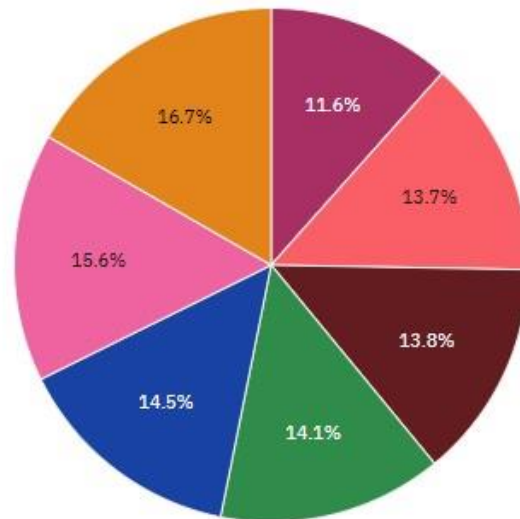
Data Exploration



Quantity by Day of the week

Day of the week

Monday Thursday Friday Sunday Wednesday Tuesday
Saturday



City and gross income for City regions and gross income for City points

gross income (Sum)

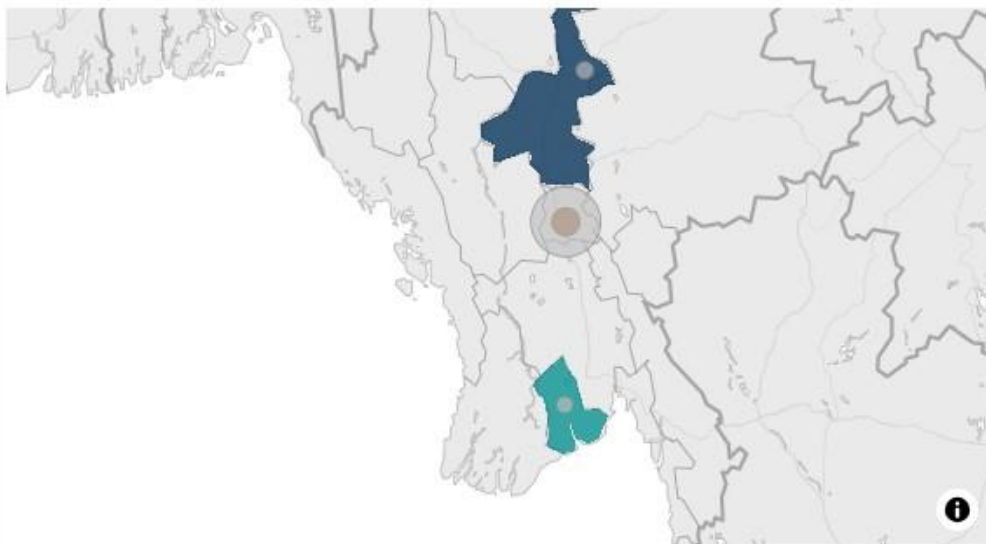
5,057.03 5,265.18

gross income (Sum)

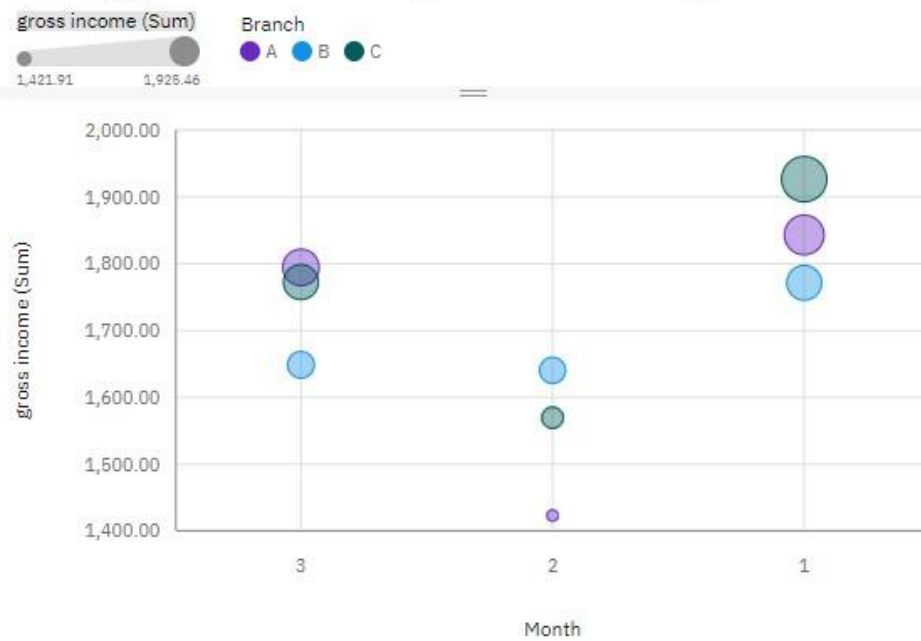
5,057.03 5,265.18

City

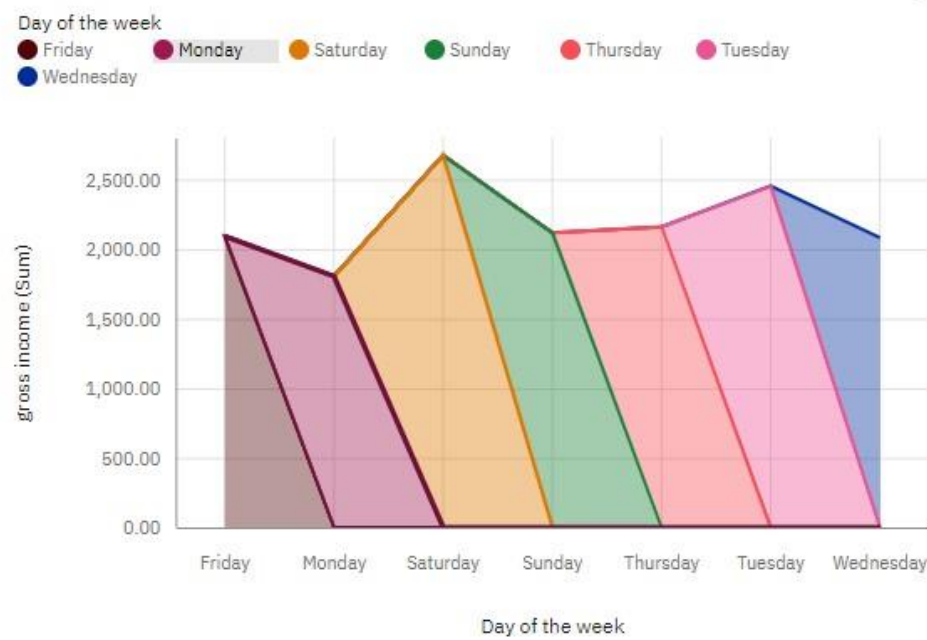
Yangon Mandalay Naypyitaw



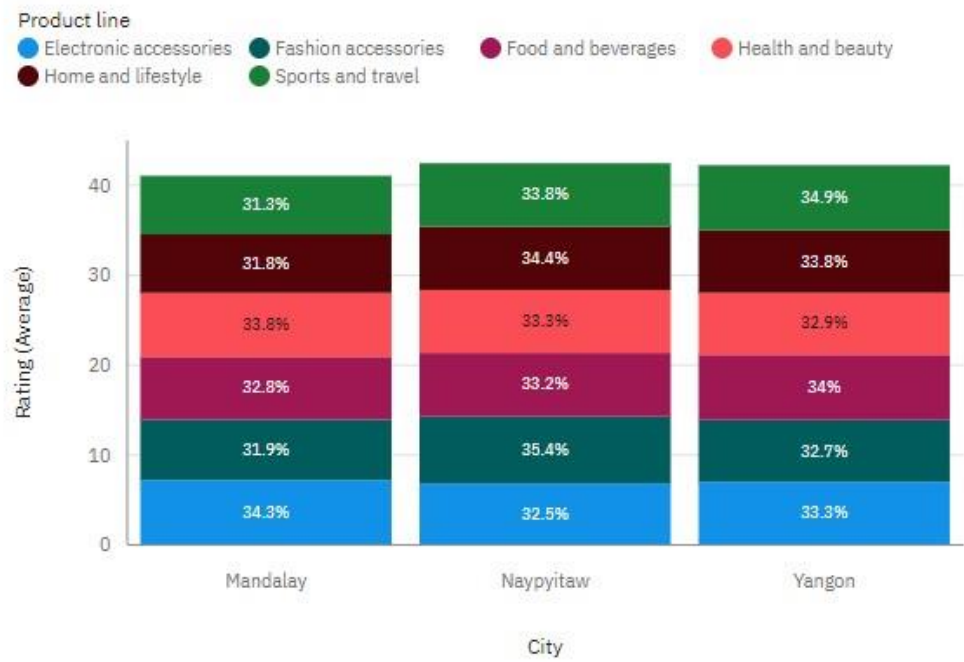
Month by gross income colored by Branch and sized by gross income



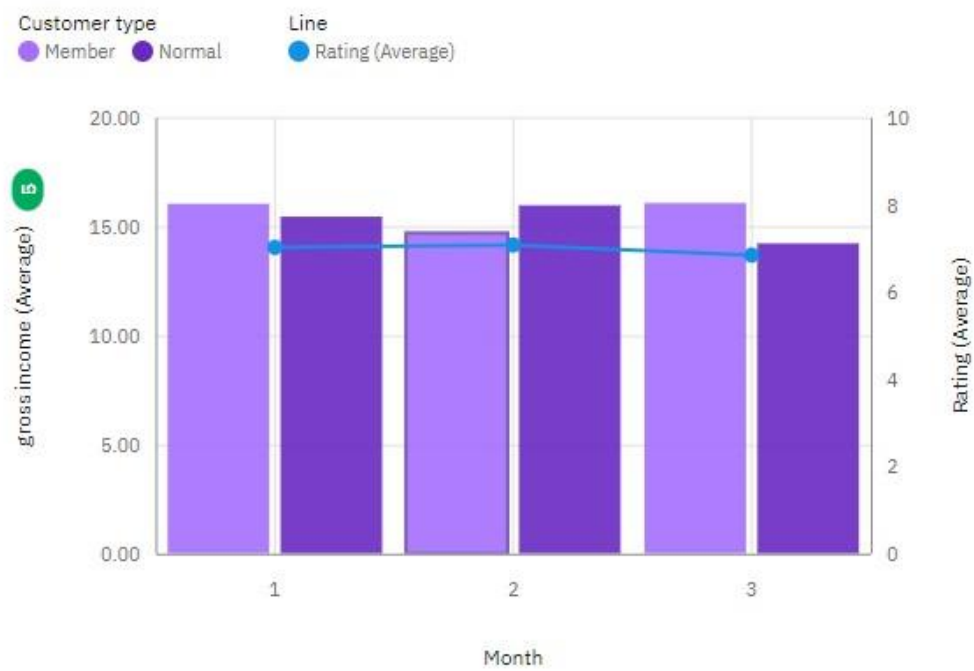
gross income by Day of the week colored by Day of the week



Rating by City colored by Product line



Rating and gross income for Month colored by Customer type

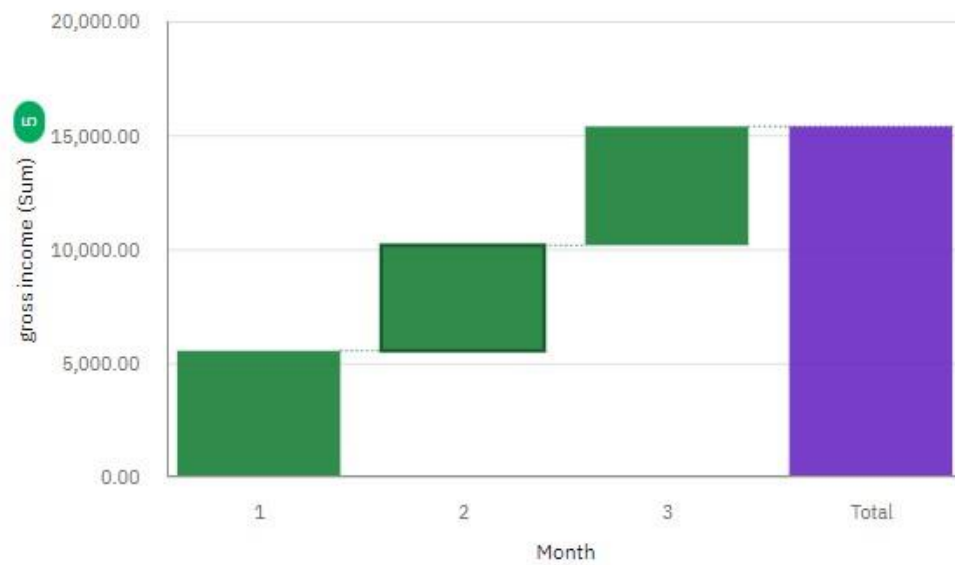


gross income for Month



Column values

● Increase ● Decrease ● Total



Product line hierarchy colored by Product line and sized by gross income

5

gross income (Sum)



Product line

● Electronic accessories ● Fashion accessories ● Food and beverages
● Health and beauty ● Home and lifestyle ● Sports and travel

Mandalay

Naypyitaw

Yangon



Product line colored by Branch sized by Rating

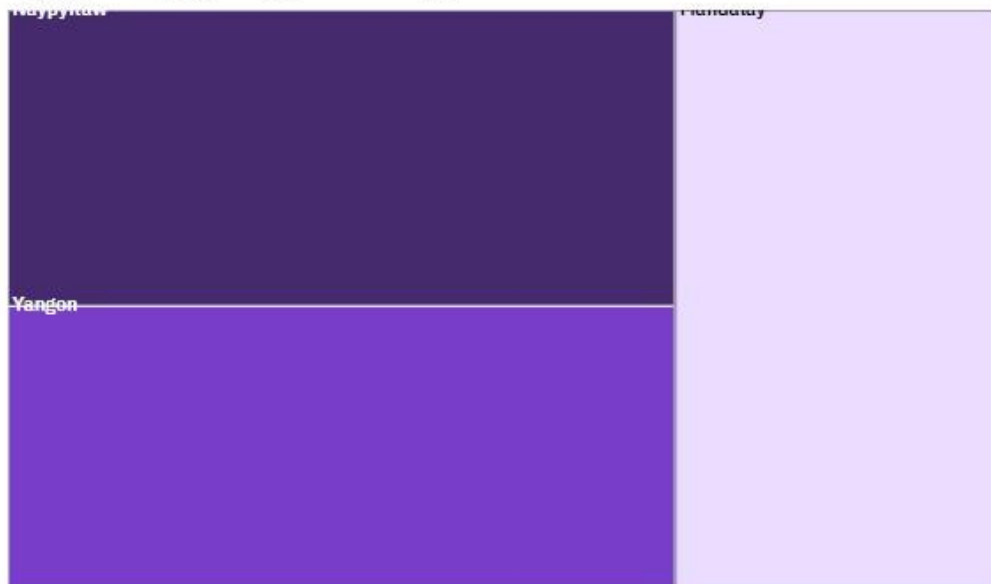


Branch
A B C



City hierarchy colored by Rating and sized by gross income

5

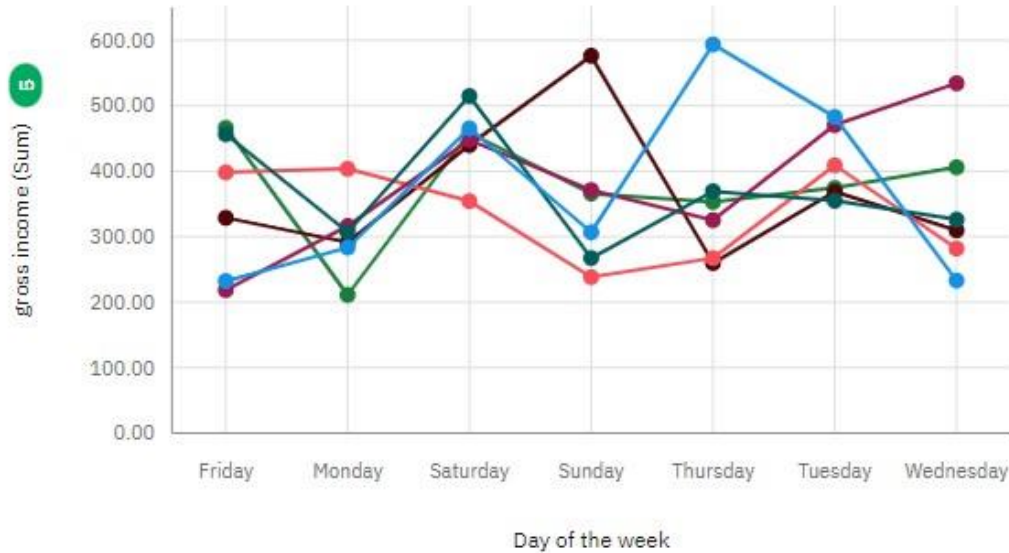


gross income by Day of the week colored by Product line



Product line

- Electronic accessories
- Fashion accessories
- Food and beverages
- Health and beauty
- Home and lifestyle
- Sports and travel



City colored by Product line sized by Tax 5%

5



Tax 5% (Average)

12.61 17.95

Product line

- Electronic accessories
- Fashion accessories
- Food and beverages
- Health and beauty
- Home and lifestyle
- Sports and travel



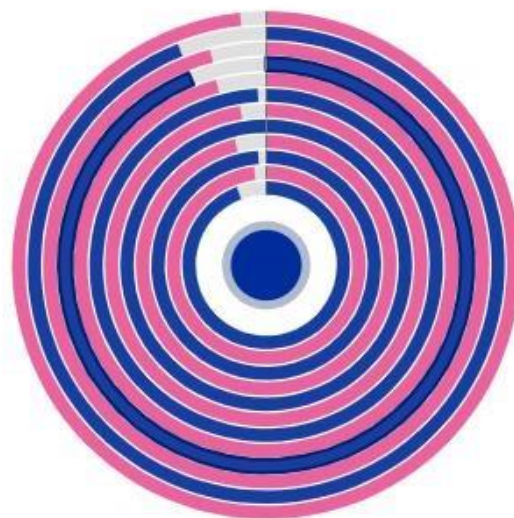
gross income by Product line, Customer type and gross income 5



Rating by Product line colored by Gender

Gender

Female Male



gross income for Day of the week and Product line 5

gross income	Friday	Monday	Saturday	Sunday
Electronic acces...	230.86	282.01	464.02	30
Fashion accessor...	454.99	305.69	513.28	26
Food and bevera...	217.07	314.87	446.45	36
Health and beauty	396.72	402.30	352.87	23
Home and lifestyle	327.40	290.25	438.48	57
Sports and travel	464.69	209.60	457.32	36
Summary	2,091.73	1,804.72	2,672.42	2,11

