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Assignment-1

Data Module

The screenshot shows the IBM Cognos Analytics interface. The left sidebar displays the 'Data module' structure, including 'Supermarket datamodule' and 'supermark...heet1.csv'. The main area shows a grid view of data with the following columns: Customer type, Gender, Product line, Unit price, Quantity, Tax 5%, and Total. The data is sorted by Total in descending order.

Customer type	Gender	Product line	Unit price	Quantity	Tax 5%	Total
Member	Female	Health and beauty	74.69	7	26.1415	548.9715
Normal	Female	Electronic accessories	15.28	5	3.82	80.22
Normal	Male	Home and lifestyle	46.33	7	16.2155	340.5255
Member	Male	Health and beauty	58.22	8	23.288	489.048
Normal	Male	Sports and travel	86.31	7	30.2085	634.3785
Normal	Male	Electronic accessories	85.39	7	29.8865	627.6165
Member	Female	Electronic accessories	68.84	6	20.652	433.692
Normal	Female	Home and lifestyle	73.56	10	36.78	772.38
Member	Female	Health and beauty	36.26	2	3.626	76.146
Member	Female	Food and beverages	54.84	3	8.226	172.746
Member	Female	Fashion accessories	14.48	4	2.896	60.816
Member	Male	Electronic accessories	25.51	4	5.102	107.142
Normal	Female	Electronic accessories	46.95	5	11.7375	246.4875

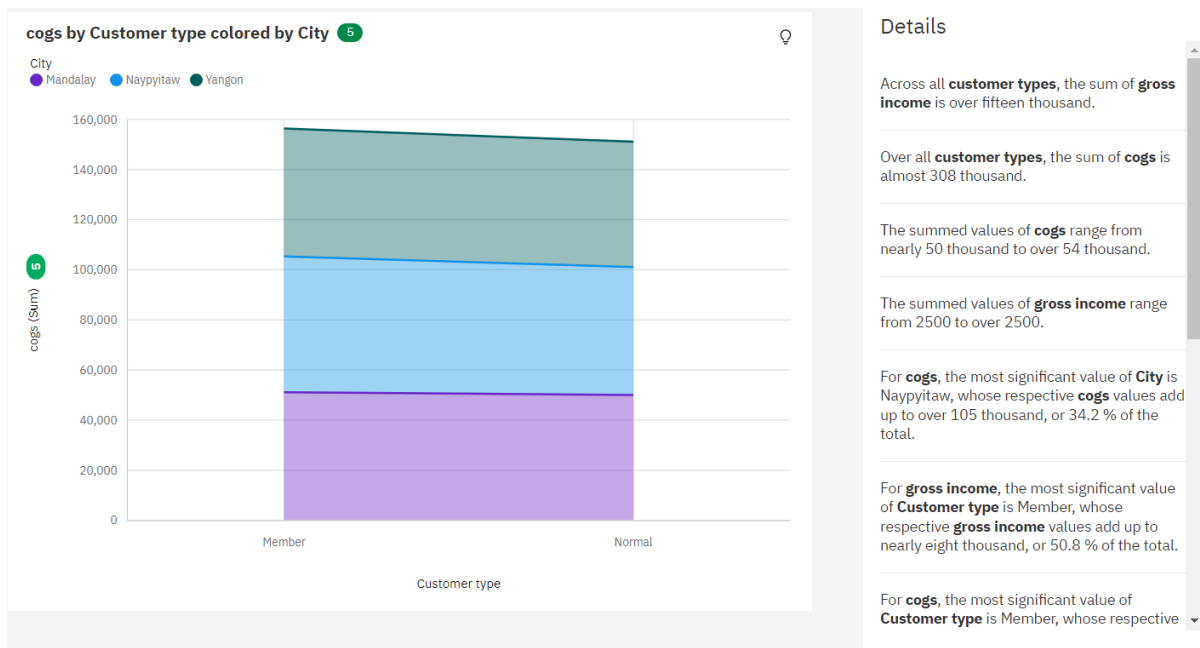
The screenshot shows the IBM Cognos Analytics interface. The left sidebar displays the 'Data module' structure, including 'Supermarket datamodule' and 'supermark...heet1.csv'. The main area shows a grid view of data with the following columns: Date, Month, Day, Payment, cogs, gross margin percentage, and gross income. The data is sorted by Date in ascending order.

Date	Month	Day	Payment	cogs	gross margin percentage	gross income
2019-01-05	1	5	Ewallet	522.83	4.761904762	26.1415
2019-03-08	3	8	Cash	76.4	4.761904762	3.82
2019-03-03	3	3	Credit card	324.31	4.761904762	16.2155
2019-01-27	1	27	Ewallet	465.76	4.761904762	23.288
2019-02-08	2	8	Ewallet	604.17	4.761904762	30.2085
2019-03-25	3	25	Ewallet	597.73	4.761904762	29.8865
2019-02-25	2	25	Ewallet	413.04	4.761904762	20.652
2019-02-24	2	24	Ewallet	735.6	4.761904762	36.78
2019-01-10	1	10	Credit card	72.52	4.761904762	3.626
2019-02-20	2	20	Credit card	164.52	4.761904762	8.226
2019-02-06	2	6	Ewallet	57.92	4.761904762	2.896
2019-03-09	3	9	Cash	102.04	4.761904762	5.102
2019-02-12	2	12	Ewallet	234.75	4.761904762	11.7375

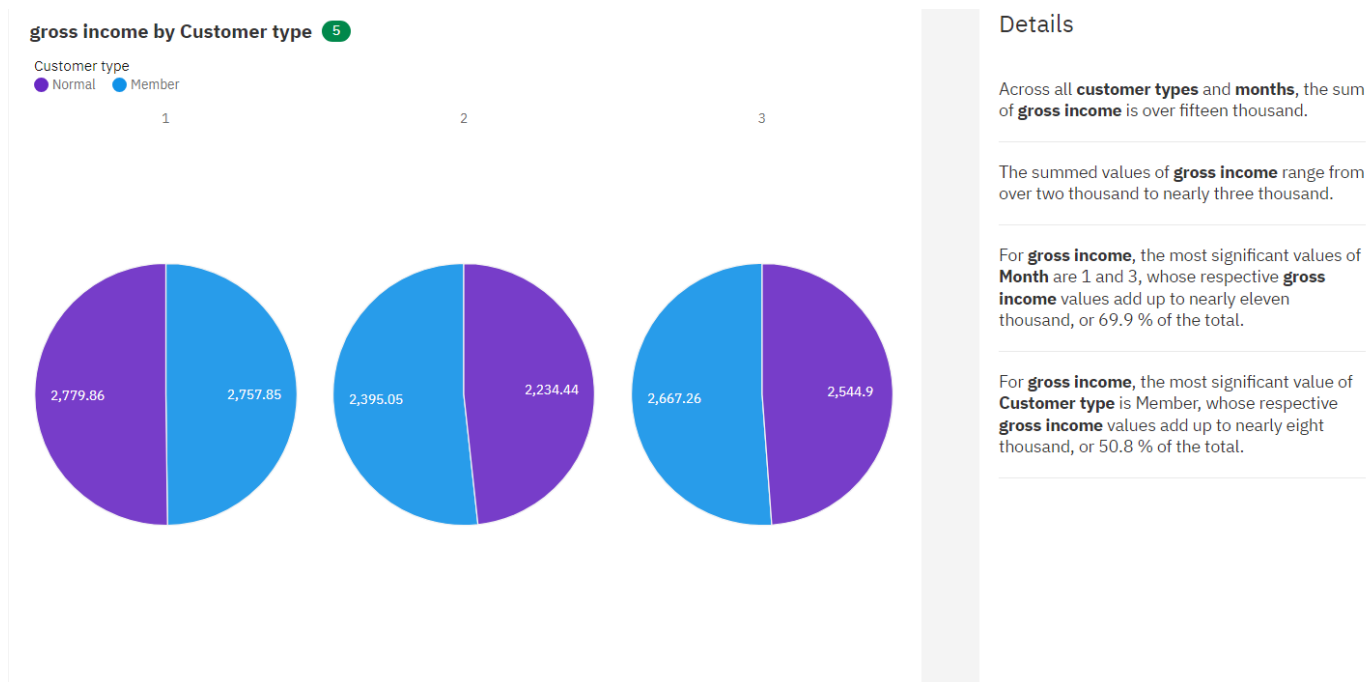
Area chart(city by cogs)



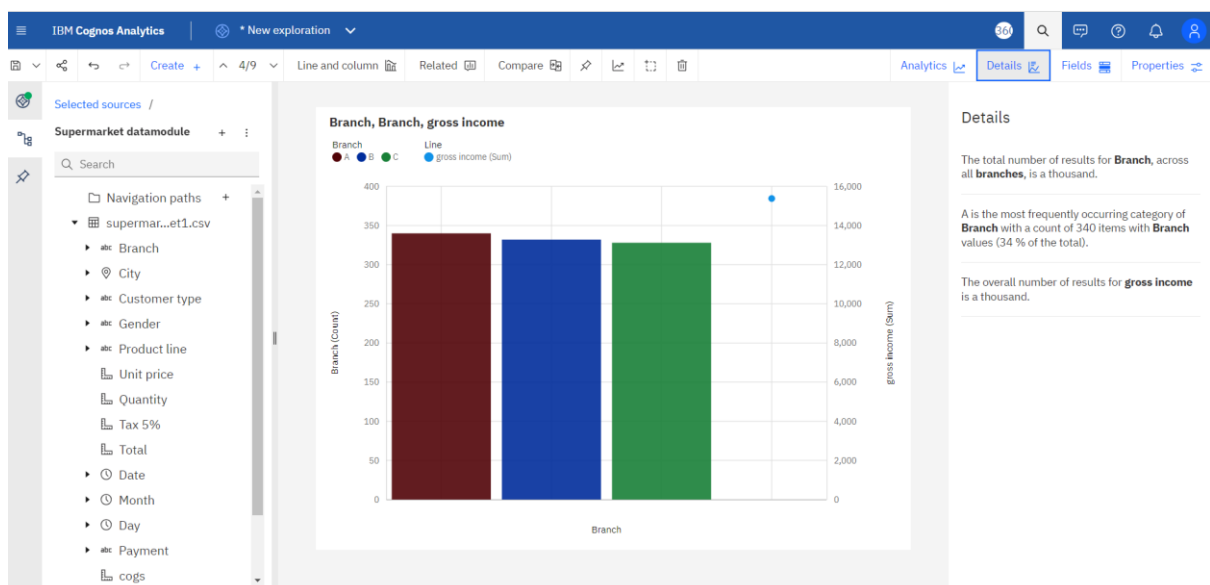
Customer type by cogs



Pie Chart(Customer type per gross income for each months{1,2,3})

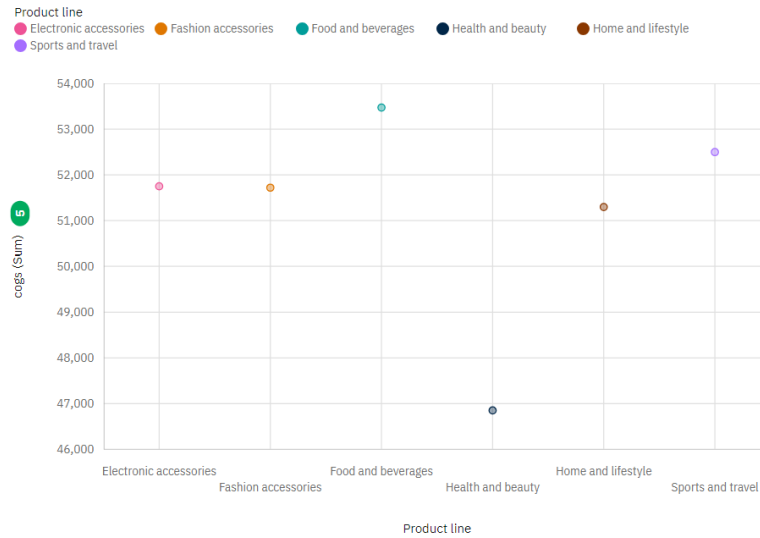


Line and column chart(Branch by gross income)



Scatter Chart(Product Line by cogs)

Product line by cogs colored by Product line



Details

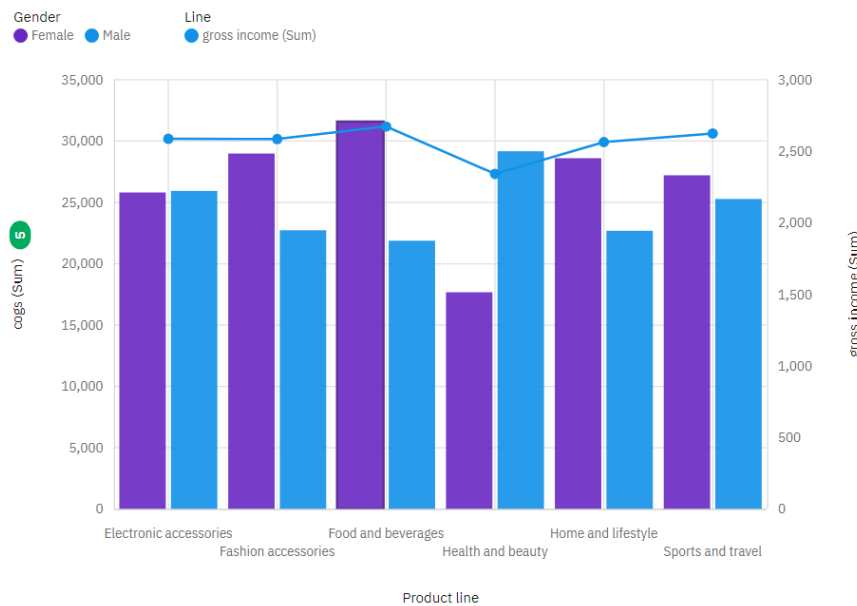
Over all **product lines** and **product lines**, the sum of **cogs** is almost 308 thousand.

The summed values of **cogs** range from nearly 47 thousand to over 53 thousand.

For **cogs**, the most significant values of **Product line** are Food and beverages, Sports and travel, Electronic accessories, Fashion accessories, and Home and lifestyle, whose respective **cogs** values add up to almost 261 thousand, or 84.8 % of the total.

Line and column chart(Products Line by COGS , where points indicating gross income)

gross income and cogs for Product line colored by Gender



Fields

x-axis

Product line

Click or drag data here

Column length* Required field

cogs

Click or drag data here

Column color

Gender

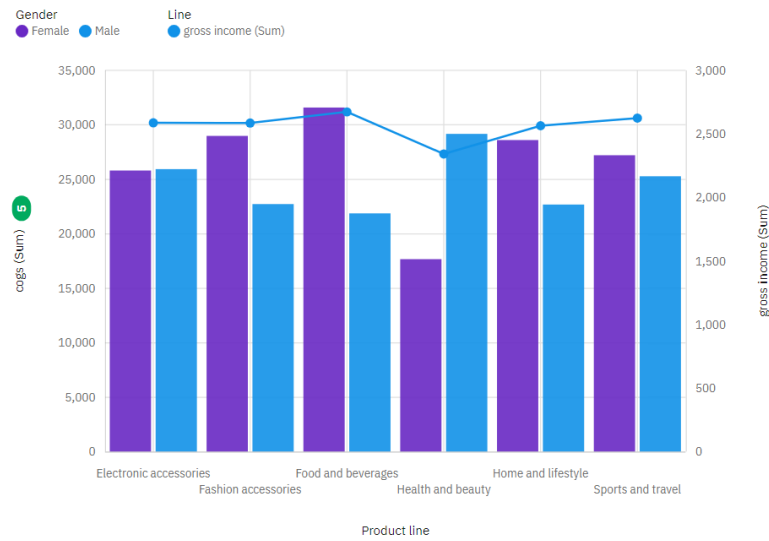
Click or drag data here

Line position* Required field

gross income

Click or drag data here

gross income and cogs for Product line colored by Gender



Details

Over all **product lines** and **genders**, the sum of **cogs** is almost 308 thousand.

The summed values of **cogs** range from nearly 18 thousand to nearly 32 thousand.

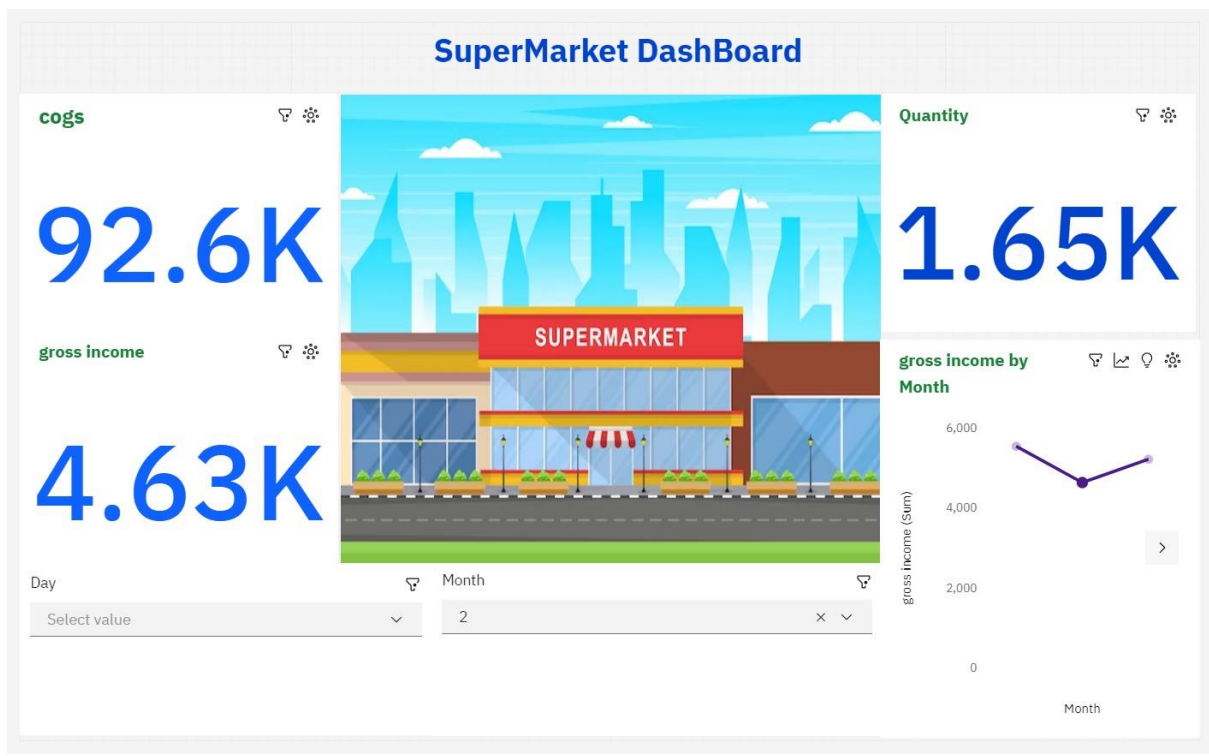
For **cogs**, the most significant values of **Product line** are Food and beverages, Sports and travel, Electronic accessories, Fashion accessories, and Home and lifestyle, whose respective **cogs** values add up to almost 261 thousand, or 84.8 % of the total.

For **cogs**, the most significant value of **Gender** is Female, whose respective **cogs** values add up to almost 160 thousand, or 52 % of the total.

Across all **product lines**, the sum of **gross income** is over fifteen thousand.

gross income ranges from almost 2500, when **Product line** is Health and beauty, to over 2500, when **Product line** is Food and beverages.

DASHBOARD



Visualization(REPORT)

