

ASSIGNMENT – 1

1)Data module Creation:

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' pane lists the columns: Row Id, Invoice ID, Branch, City, Customer type, Gender, Product line, Unit price, Quantity, Tax 5%, Total, Date, Time, Payment, cost, gross_income, and Rating. The main grid displays 21 rows of data. The 'Branch' column has been deleted, and the 'City' column is now the third column.

Row Id	Invoice ID	Branch	City	Customer type	Gender	Product line	Unit price	Quantity	Tax 5%
1	750-67-8428	A	Yangon	Member	Female	Health and beauty	74.69	7	26.1415
2	226-31-3081	C	Naypyitaw	Normal	Female	Electronic accessories	15.28	5	3.82
3	631-41-3108	A	Yangon	Normal	Male	Home and lifestyle	46.33	7	16.2155
4	123-19-1176	A	Yangon	Member	Male	Health and beauty	58.22	8	23.288
5	373-73-7910	A	Yangon	Normal	Male	Sports and travel	86.31	7	30.2055
6	699-14-3026	C	Naypyitaw	Normal	Male	Electronic accessories	85.39	7	29.8665
7	355-53-5943	A	Yangon	Member	Female	Electronic accessories	68.84	6	20.682
8	315-22-5665	C	Naypyitaw	Normal	Female	Home and lifestyle	73.56	10	36.78
9	665-32-9167	A	Yangon	Member	Female	Health and beauty	36.26	2	5.626
10	692-92-5582	B	Mandalay	Member	Female	Food and beverages	54.84	3	8.226
11	351-62-0822	B	Mandalay	Member	Female	Fashion accessories	14.48	4	2.896
12	529-56-3974	B	Mandalay	Member	Male	Electronic accessories	25.51	4	5.102
13	365-44-0515	A	Yangon	Normal	Female	Electronic accessories	46.95	5	11.7375
14	282-56-2699	A	Yangon	Normal	Male	Food and beverages	43.19	10	21.596
15	829-44-5910	A	Yangon	Normal	Female	Health and beauty	71.38	10	35.69
16	299-46-1805	B	Mandalay	Member	Female	Sports and travel	93.72	6	28.116
17	686-95-9349	A	Yangon	Member	Female	Health and beauty	65.93	7	24.1255
18	765-26-6951	A	Yangon	Normal	Male	Sports and travel	72.61	6	21.783
19	329-42-1556	A	Yangon	Normal	Male	Food and beverages	54.67	3	8.2005
20	319-50-3348	B	Mandalay	Normal	Female	Home and lifestyle	40.3	2	4.05
21	300-71-4605	C	Naypyitaw	Member	Male	Electronic accessories	56.04	5	21.51

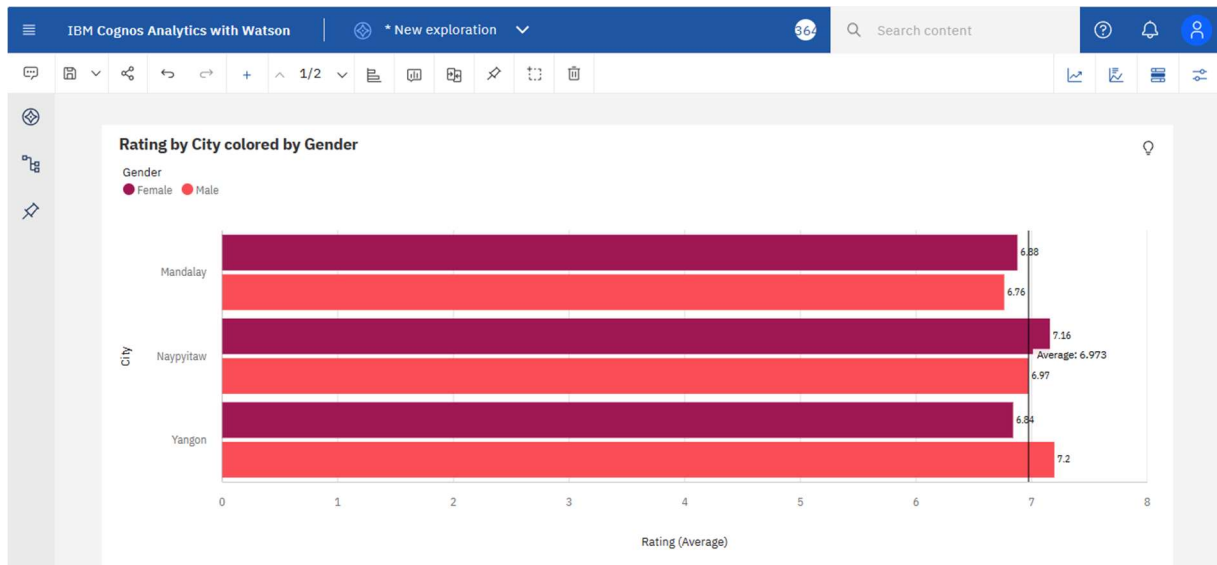
2)Deleting Unnecessary Column (Branch is deleted since we have cities):

The screenshot shows the IBM Cognos Analytics interface after deleting the 'Branch' column. The 'Data module' pane on the left now lists the columns: Row Id, Invoice ID, City, Customer type, Gender, Product line, Unit price, Quantity, Tax 5%, Total, Date, Time, Payment, cost, gross_income, and Rating. The main grid displays 11 rows of data, with the 'City' column now being the third column.

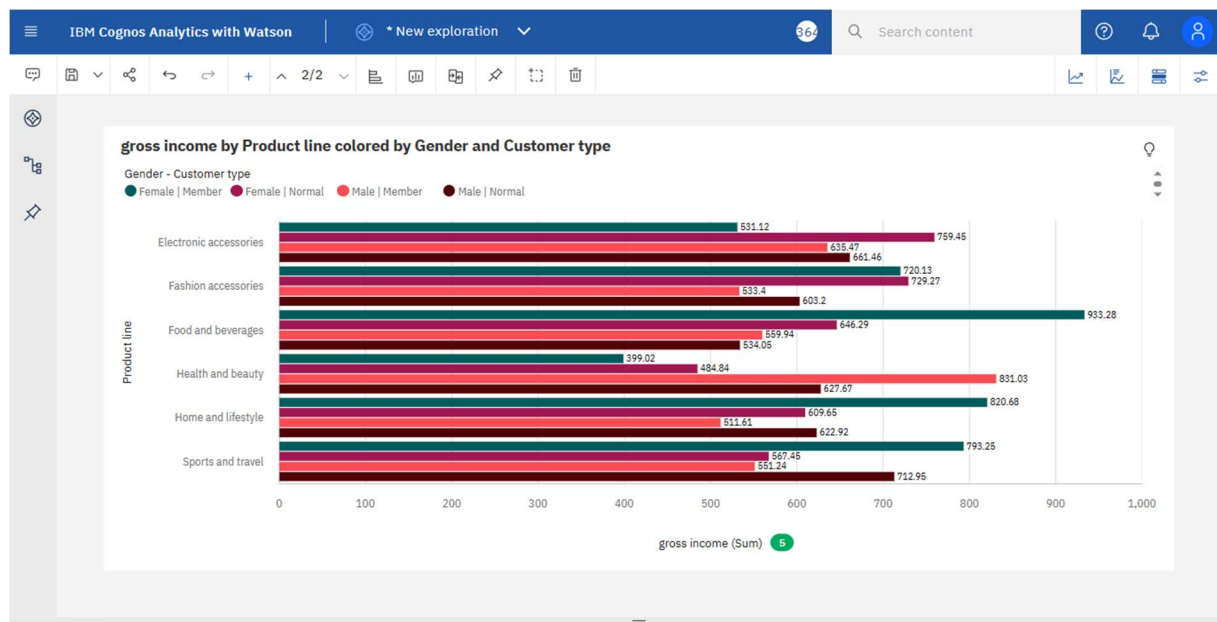
Row Id	Invoice ID	City	Customer type	Gender	Product line
1	750-67-8428	Yangon	Member	Female	Health and beauty
2	226-31-3081	Naypyitaw	Normal	Female	Electronic accessories
3	631-41-3108	Yangon	Normal	Male	Home and lifestyle
4	123-19-1176	Yangon	Member	Male	Health and beauty
5	373-73-7910	Yangon	Normal	Male	Sports and travel
6	699-14-3026	Naypyitaw	Normal	Male	Electronic accessories
7	355-53-5943	Yangon	Member	Female	Electronic accessories
8	315-22-5665	Naypyitaw	Normal	Female	Home and lifestyle
9	665-32-9167	Yangon	Member	Female	Health and beauty
10	692-92-5582	Mandalay	Member	Female	Food and beverages
11	351-62-0822	Mandalay	Member	Female	Fashion accessories

3)Dataset Visualization & Exploration:

I. Shows rating given by different gender in each city.



II. gross income by Product line colored by Gender and Customer type



III. Comparison of gross income before and after 31th May.

