Dataset in excel sheet

Invoice ID	Branch	City	Customer type	Gender	Product line	Unit price	Quantity	Tax 5%
750-67-8428	Α	Yangon	Member	Female	Health and beau	74.69	7	26.1415
226-31-3081	С	Naypyitaw	Normal	Female	Electronic access	15.28	5	3.82
631-41-3108	Α	Yangon	Normal	Male	Home and lifesty	46.33	7	16.2155
123-19-1176	Α	Yangon	Member	Male	Health and beau	58.22	8	23.288
373-73-7910	Α	Yangon	Normal	Male	Sports and trave	86.31	7	30.2085
699-14-3026	С	Naypyitaw	Normal	Male	Electronic access	85.39	7	29.8865
355-53-5943	Α	Yangon	Member	Female	Electronic access	68.84	6	20.652
315-22-5665	С	Naypyitaw	Normal	Female	Home and lifesty	73.56	10	36.78
665-32-9167	Α	Yangon	Member	Female	Health and beau	36.26	2	3.626

Total	Date	Time	Payment	cogs	gross margin pe	gross income	Rating
548.9715	1/5/2019	13:08	Ewallet	522.83	4.761904762	26.1415	9.1
80.22	3/8/2019	10:29	Cash	76.4	4.761904762	3.82	9.6
340.5255	3/3/2019	13:23	Credit card	324.31	4.761904762	16.2155	7.4
489.048	1/27/2019	20:33	Ewallet	465.76	4.761904762	23.288	8.4
634.3785	2/8/2019	10:37	Ewallet	604.17	4.761904762	30.2085	5.3
627.6165	3/25/2019	18:30	Ewallet	597.73	4.761904762	29.8865	4.1
433.692	2/25/2019	14:36	Ewallet	413.04	4.761904762	20.652	5.8
772.38	2/24/2019	11:38	Ewallet	735.6	4.761904762	36.78	8
76.146	1/10/2019	17:15	Credit card	72.52	4.761904762	3.626	7.2

PIVOT TABLES

The sum of the total price in each branch

Branch	SUM of Total
Α	106200.3705
В	106197.672
С	110568.7065
Grand Total	322966.749

The sum of the total price of female and male in each city's product line

SUM of Total		Gender		
City	Product line	Female	Male	Grand Total
Mandalay	Electronic accessories	\$8,166.51	\$8,884.93	\$17,051.44
	Fashion accessories	\$9,081.49	\$7,331.82	\$16,413.32
	Food and beverages	\$10,510.00	\$4,704.89	\$15,214.89
	Health and beauty	\$6,400.35	\$13,580.31	\$19,980.66
	Home and lifestyle	\$9,557.13	\$7,992.03	\$17,549.16
	Sports and travel	\$9,212.82	\$10,775.38	\$19,988.20
Mandalay Total		\$52,928.30	\$53,269.38	\$106,197.67
Naypyitaw	Electronic accessories	\$8,969.22	\$9,999.76	\$18,968.97
	Fashion accessories	\$11,519.69	\$10,040.38	\$21,560.07
	Food and beverages	\$15,661.16	\$8,105.70	\$23,766.86
	Health and beauty	\$6,445.74	\$10,169.59	\$16,615.33
	Home and lifestyle	\$7,842.93	\$6,052.62	\$13,895.55
	Sports and travel	\$11,246.73	\$4,515.20	\$15,761.93
Naypyitaw Total		\$61,685.46	\$48,883.24	\$110,568.71
Yangon	Electronic accessories	\$9,966.30	\$8,350.82	\$18,317.11
	Fashion accessories	\$9,836.22	\$6,496.29	\$16,332.51
	Food and beverages	\$6,999.76	\$10,163.34	\$17,163.10
	Health and beauty	\$5,714.90	\$6,882.86	\$12,597.75
	Home and lifestyle	\$12,636.81	\$9,780.38	\$22,417.20
	Sports and travel	\$8,115.18	\$11,257.52	\$19,372.70
Yangon Total		\$53,269.17	\$52,931.20	\$106,200.37
Grand Total		\$167,882.93	\$155,083.82	\$322,966.75

The total number of members and normal customer types who have paid through cash, credit card, and ewallet

Customer type	Cash	Credit card	Ewallet	Grand Total
Member	168	172	161	501
Normal	176	139	184	499
Grand Total	344	311	345	1000

The maximum rating for each product line from female and male customers

MAX of Rating	Product line	Product line						
Gender	Electronic accessories	Fashion accessories	Food and beverages	Health and beauty	Home and lifestyle	Sports and travel	Grand Total	
Female	10	9.9	9.9	10	9.8	10	10	
Male	9.9	9.9	9.9	9.9	9.9	10	10	
Grand Total	10	9.9	9.9	10	9.9	10	10	

The minimum rating for each product line from female and male customers

MIN of Rating	Product line						
Gender	Electronic accessories	Fashion accessories	Food and beverages	Health and beauty	Home and lifestyle	Sports and travel	Grand Total
Female	4	4.1	4	4	4.1	4	4
Male	4.1	4	4	4	4.1	4.2	4
Grand Total	4	4	4	4	4.1	4	4

The maximum of cost of goods sold for each product line in different cities

MAX of cogs	City			
Product line	Mandalay	Naypyitaw	Yangon	Grand Total
Electronic accessories	897.57	823.4	886.7	897.57
Fashion accessories	832.5	993	989.8	993
Food and beverages	846.3	985.2	887.94	985.2
Health and beauty	878.7	905	716.8	905
Home and lifestyle	973.8	975	906.5	975
Sports and travel	899.64	954.4	882.81	954.4
Grand Total	973.8	993	989.8	993

The maximum unit price for each product line in different branches

MAX of Unit price	Branch	'	'	'	
Product line	A	В	С	Grand	Total
Electronic accessories		99.56	99.73	99.69	99.73
Fashion accessories		99.1	99.89	99.82	99.89
Food and beverages		99.78	99.69	99.79	99.79
Health and beauty		99.83	99.71	99.96	99.96
Home and lifestyle		97.94	99.92	97.5	99.92
Sports and travel		98.4	99.96	99.24	99.96
Grand Total		99.83	99.96	99.96	99.96

The sum of total price in each city

City	SUM of Total
Mandalay	\$106,197.67
Naypyitaw	\$110,568.71
Yangon	\$106,200.37
Grand Total	322966.749

The count of different customer type in each city

COUNTA of Customer type	Customer type			
City	Member	Normal	G	rand Total
Mandalay		165.00	167.00	332.00
Naypyitaw		169.00	159.00	328.00
Yangon		167.00	173.00	340.00
Grand Total		501.00	499.00	1,000.00

The count of different genders in different product lines

COUNTA of Customer type	Gender			
Product line	Female	Male	Grand	Total
Electronic accessories		84.00	86.00	170.00
Fashion accessories		96.00	82.00	178.00
Food and beverages		90.00	84.00	174.00
Health and beauty		64.00	88.00	152.00
Home and lifestyle		79.00	81.00	160.00
Sports and travel		88.00	78.00	166.00
Grand Total		501.00	499.00	1,000.00

Metadata

Invoice id: Computer generated sales slip invoice identification number

Branch: Branch of supercenter (3 branches are available identified by A, B and C).

City: Location of supercenters

Customer type: Type of customers, recorded by Members for customers using member card and Normal for without member card.

Gender: Gender type of customer

Product line: General item categorization groups - Electronic accessories, Fashion accessories, Food and beverages, Health and beauty, Home and lifestyle, Sports and travel

Unit price: Price of each product in \$

Quantity: Number of products purchased by customer

Tax: 5% tax fee for customer buying

Total: Total price including tax

Date: Date of purchase (Record available from January 2019 to March 2019)

Time: Purchase time (10am to 9pm)

Payment: Payment used by customer for purchase (3 methods are available – Cash,

Credit card and Ewallet)

COGS: Cost of goods sold

Gross margin percentage: Gross margin percentage

Gross income: Gross income

Rating: Customer stratification rating on their overall shopping experience (On a scale

of 1 to 10)