



Hands-on Exercise No. 3 Solution
DigiSkills 2.0 Batch-05
Data Analytics & Business Intelligence

Total Marks: 10

Instructions:

Please read the following instructions carefully before submitting this Hands-on Exercise:

- Use MS Word to prepare exercise solution.
- You may consult tutorials and videos if the concept is not clear.
- Your submitted exercise will not be considered/counted if:
 - It is submitted after due date.
 - It is not in the required format (.doc or .docx)
 - It does not open, or file is corrupt.
 - It is copied (partial or full) from any source (websites, forums, students, etc.)

Learning Outcome:

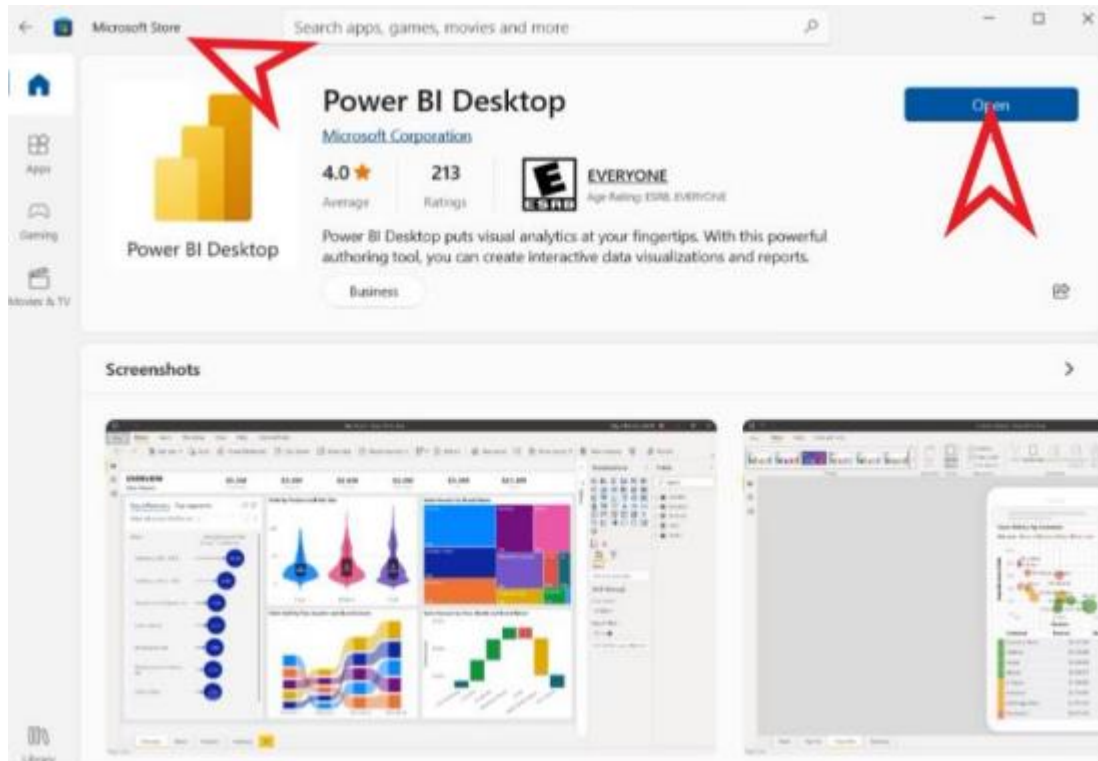
After completing this exercise, you shall be able to:

- Download and install Microsoft Power BI Desktop
- Import MS Excel file into Microsoft Power BI Desktop
- Add column in the Power Query
- Create various types of charts using Microsoft Power BI Desktop

Solution

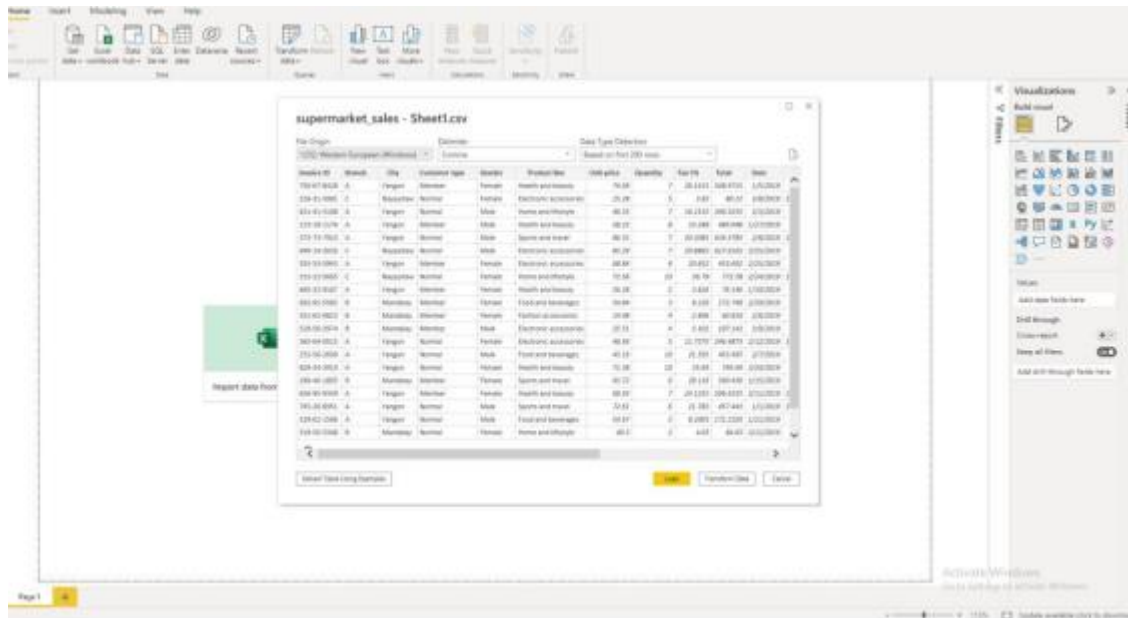
Tasks:

- 1) Download and install the Microsoft Power BI Desktop.

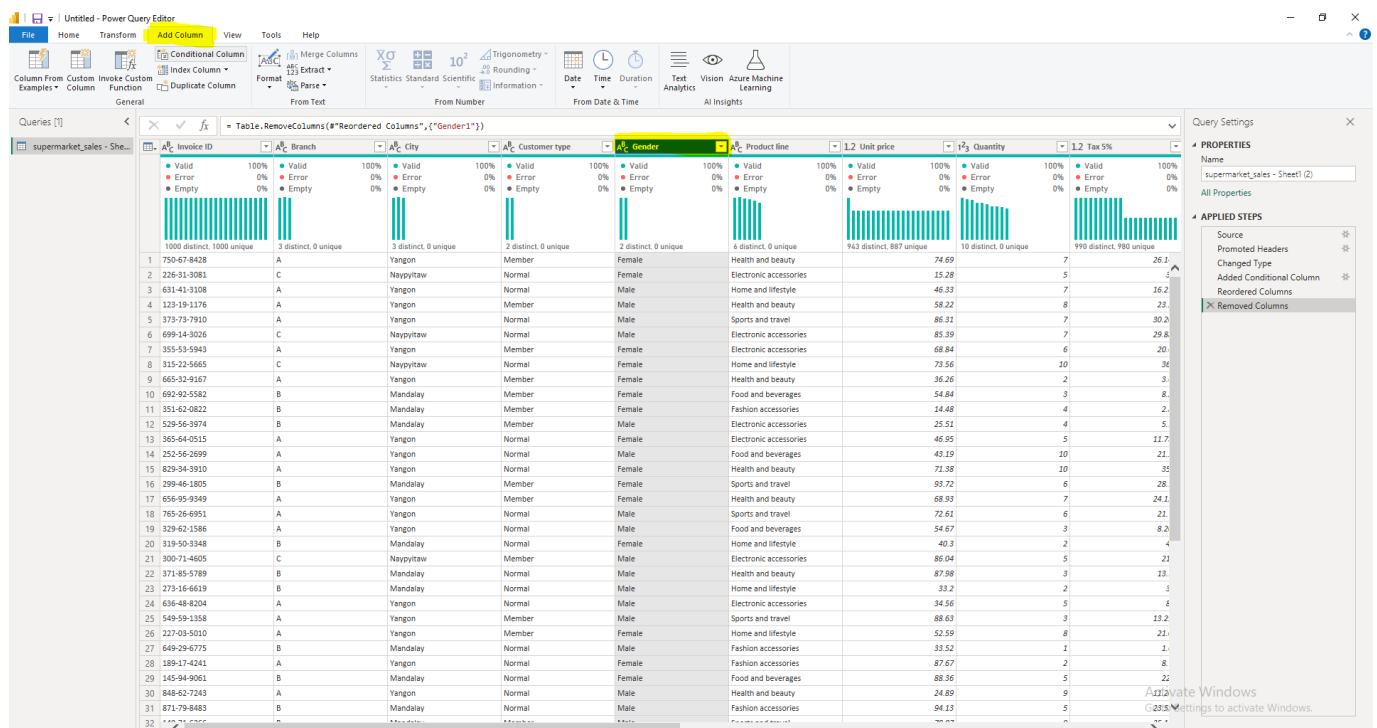


- 2) Download the dataset from the following link and load the dataset into the Microsoft Power BI Desktop.

https://lms.digiskills.pk/Courses/DBI101/Downloads/supermarket_sales%20-%20Sheet1.csv



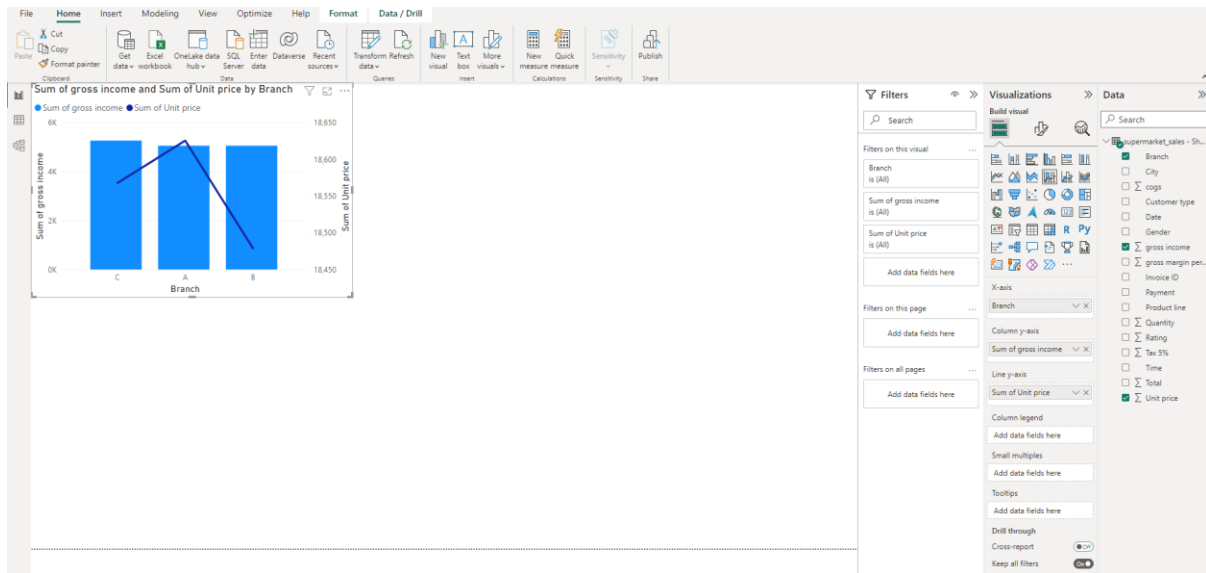
3) To show Sum of gross income and sum of unit price by branch using a Line and Stacked column in Microsoft Power BI.



The screenshot shows the Power BI Desktop interface with a data table and an open 'Add Conditional Column' dialog box. The table has columns: Invoice ID, Branch, City, Customer type, Gender, Product line, Unit price, Quantity, and Tax5%. The 'Add Conditional Column' dialog box is open, showing the formula bar with the expression: `if Gender equals Male then ABS(123) 1`. The dialog also includes an 'Add Clause' button and an 'Else' section with a text input field.

Table.RenameColumns("#Reordered Columns1",{"Custom",{"Gender_change"}})									
Invoice ID	Branch	City	Customer type	Gender_change	Gender	Product line	Unit price	Quantity	
750-67-8428	A	Yangon	Member	0 Female	0 Female	Health and beauty	74.69	1000 distinct, 1000 unique	1000 distinct, 1000 unique
226-31-3081	C	Naypyitaw	Normal	0 Female	0 Female	Electronic accessories	15.28	3 distinct, 0 unique	3 distinct, 0 unique
631-41-9108	A	Yangon	Normal	1 Male	1 Male	Home and lifestyle	46.33	3 distinct, 0 unique	3 distinct, 0 unique
123-19-1176	A	Yangon	Member	1 Male	1 Male	Health and beauty	58.22	3 distinct, 0 unique	3 distinct, 0 unique
537-73-7910	A	Yangon	Normal	1 Male	1 Male	Sports and travel	86.31	3 distinct, 0 unique	3 distinct, 0 unique
699-14-3026	C	Naypyitaw	Normal	1 Male	1 Male	Electronic accessories	85.39	3 distinct, 0 unique	3 distinct, 0 unique
355-53-5943	A	Yangon	Member	0 Female	0 Female	Electronic accessories	68.84	3 distinct, 0 unique	3 distinct, 0 unique
315-22-5665	C	Naypyitaw	Normal	0 Female	0 Female	Home and lifestyle	73.56	3 distinct, 0 unique	3 distinct, 0 unique
665-32-9167	A	Yangon	Member	0 Female	0 Female	Health and beauty	36.26	3 distinct, 0 unique	3 distinct, 0 unique
692-92-5582	B	Mandalay	Member	0 Female	0 Female	Food and beverages	54.84	3 distinct, 0 unique	3 distinct, 0 unique
351-62-0822	B	Mandalay	Member	0 Female	0 Female	Fashion accessories	14.48	3 distinct, 0 unique	3 distinct, 0 unique
529-56-3974	B	Mandalay	Member	1 Male	1 Male	Electronic accessories	25.51	3 distinct, 0 unique	3 distinct, 0 unique
365-64-0515	A	Yangon	Normal	0 Female	0 Female	Electronic accessories	46.95	3 distinct, 0 unique	3 distinct, 0 unique
252-56-2699	A	Yangon	Normal	1 Male	1 Male	Food and beverages	43.19	3 distinct, 0 unique	3 distinct, 0 unique
829-34-3910	A	Yangon	Normal	0 Female	0 Female	Health and beauty	71.38	3 distinct, 0 unique	3 distinct, 0 unique
299-46-1805	B	Mandalay	Member	0 Female	0 Female	Sports and travel	93.72	3 distinct, 0 unique	3 distinct, 0 unique
656-95-9349	A	Yangon	Member	0 Female	0 Female	Health and beauty	68.93	3 distinct, 0 unique	3 distinct, 0 unique
765-26-6951	A	Yangon	Normal	1 Male	1 Male	Sports and travel	72.61	3 distinct, 0 unique	3 distinct, 0 unique
929-62-1586	A	Yangon	Normal	1 Male	1 Male	Food and beverages	54.67	3 distinct, 0 unique	3 distinct, 0 unique
319-50-3348	B	Mandalay	Normal	0 Female	0 Female	Home and lifestyle	40.3	3 distinct, 0 unique	3 distinct, 0 unique
300-71-4605	C	Naypyitaw	Member	1 Male	1 Male	Electronic accessories	86.04	3 distinct, 0 unique	3 distinct, 0 unique
371-85-5789	B	Mandalay	Normal	1 Male	1 Male	Health and beauty	87.98	3 distinct, 0 unique	3 distinct, 0 unique
273-16-6619	B	Mandalay	Normal	1 Male	1 Male	Home and lifestyle	33.2	3 distinct, 0 unique	3 distinct, 0 unique
636-48-8204	A	Yangon	Normal	1 Male	1 Male	Electronic accessories	34.56	3 distinct, 0 unique	3 distinct, 0 unique
549-59-1358	A	Yangon	Member	1 Male	1 Male	Sports and travel	88.63	3 distinct, 0 unique	3 distinct, 0 unique
227-03-5010	A	Yangon	Member	0 Female	0 Female	Home and lifestyle	52.59	3 distinct, 0 unique	3 distinct, 0 unique
649-29-6775	B	Mandalay	Normal	1 Male	1 Male	Fashion accessories	33.52	3 distinct, 0 unique	3 distinct, 0 unique
189-17-4241	A	Yangon	Normal	0 Female	0 Female	Fashion accessories	87.67	3 distinct, 0 unique	3 distinct, 0 unique
145-94-9061	B	Mandalay	Normal	0 Female	0 Female	Food and beverages	88.36	3 distinct, 0 unique	3 distinct, 0 unique
848-62-7243	A	Yangon	Normal	1 Male	1 Male	Health and beauty	24.89	3 distinct, 0 unique	3 distinct, 0 unique
871-79-8483	B	Mandalay	Normal	1 Male	1 Male	Fashion accessories	94.13	3 distinct, 0 unique	3 distinct, 0 unique

4) To show count of city by payment and branch using Pie chart in Microsoft Power BI.



5) To show count of city by payment and branch using Pie chart in Microsoft Power BI.

