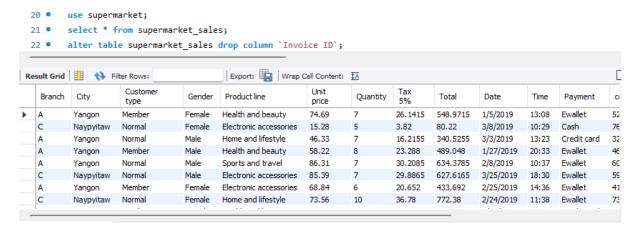# IBM Data Analytics

Assignment 3

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21BCE8296

VIT-AP

Uploading dataset to MySQL and preparing dataset

Integrating with Tableau

Visualizations

Columns   Product line

Rows   AVG(Gross Income)

Filters

Marks

Automatic

Color   Size   Label

Detail   Tooltip

Branch

Bar Chart

Branch
- A
- B
- C

Product line

Product line	A	B	C
Electronic accessories	14.537	14.763	16.423
Fashion accessories	15.250	12.606	15.795
Food and beverages	14.091	14.490	17.148
Health and beauty	12.764	17.952	15.216
Home and lifestyle	16.423	16.713	14.704
Sports and travel	15.636	15.352	16.679

Avg. Gross Income

Pages

Columns   WEEKDAY(Date)

Rows   AVG(Cogs)

Filters

Line Chart

City
- Mandalay
- Naypyitaw
- Yangon

Date

Marks

Automatic

Color   Size   Label

Detail   Tooltip   Path

City

Avg. Cogs

Histogram

Pages

Columns | Quantity (bin)
Rows | CNT(Quantity)

Filters

Marks
- Automatic
- Color | Size | Label
- Detail | Tooltip
- Customer type

Histogram

Customer type
- Member
- Normal

Quantity (bin)

Count of Quantity

Bin	Member	Normal
1	57	55
2	43	48
3	44	46
4	61	48
5	48	54
6	42	56
7	51	51
8	41	44
9	51	41
10	63	56

Pie Chart

Pages

Columns
Rows

Filters
- MONTH(Date)

Marks
- Pie
- Color | Size | Label
- Detail | Tooltip | Angle
- Product line
- AVG(Rating)
- AVG(Rating)
- Product line
- AVG(Rating)

Pie Chart

MONTH(Date)
- ☑ (All)
- ☑ January
- ☑ February
- ☑ March

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

AVG(Rating)
41.8242

- Sports and travel 6.9163
- Electronic accessories 6.9247
- Fashion accessories 7.0292
- Food and beverages 7.1132
- Health and beauty 7.0033
- Home and lifestyle 6.8375

Heat Map

Columns: Product line
Rows: Branch

Pages

Filters

Marks
- Automatic
- Color
- Size
- Label
- Detail
- Tooltip
- SUM(Gross In..

SUM(Gross Income)
599.9 — 1,131.8

Product line

Branch	Electronic accessories	Fashion accessories	Food and beverages	Health and beauty	Home and lifestyle	Sports and travel
A	872.2	777.7	817.3	599.9	1,067.5	922.5
B	812.0	781.6	724.5	951.5	835.7	951.8
C	903.3	1,026.7	1,131.8	791.2	661.7	750.6

Box Plot

Columns: Product line
Rows: SUM(Tax 5%)

Pages

Filters

Marks
- Circle
- Color
- Size
- Label
- Detail
- Tooltip
- City

City
- Mandalay
- Naypyitaw
- Yangon

Product line

Tax 5%

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

Pages

Columns

Rows

Filters

Tree Map

Food and beverages 2,673.6	Electronic accessories 2,587.5	Home and lifestyle 2,564.9
Sports and travel 2,624.9	Fashion accessories 2,586.0	Health and beauty 2,342.6

SUM(Gross Income)

2,342.6   2,673.6

Marks

☐ Automatic ▾

Color | Size | Label

Detail | Tooltip

◉ SUM(Gross In..
◉ SUM(Gross In..
T Product line
T SUM(Gross In..

Pages

Columns   SUM(Unit price)

Rows   AVG(Rating)

Filters

Scatter Plot

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

Marks

☐ Automatic ▾

Color | Size | Label

Detail | Tooltip | Shape

◉ Product line

Avg. Rating plotted against Unit price (0K to 10K). Data points cluster near rating 7 between 8K and 10K.