

# SMART INTERNZ IBM DATA ANALYTICS ASSIGNMENT -1

NAME: GANDE VISHNU VARDHAN

REG NO: 21BCE8103



## Challenge:

Upload the dataset to Cognos Analytics, delete the unnecessary columns, create a data module, explore and visualize the dataset.

## Delete the unnecessary columns:-

To remove the unnecessary columns from the given data set. Firstly, we need to identify the problem or statement which we are solving. Identify the required data columns or attributes from the dataset.

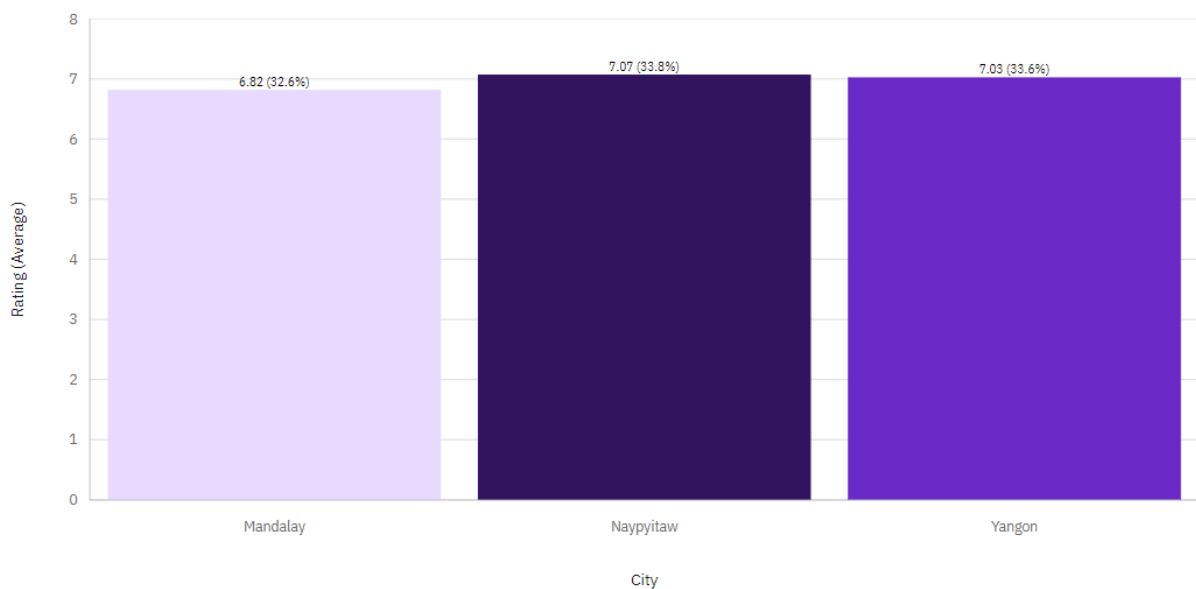
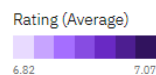
- Invoice id: Computer-generated sales slip invoice identification number(in some cases it can be used).
- Gross margin percentage: Gross margin percentage(in the dataset gross margin percentage is same for all).

## create a data module, explore and visualize the dataset:-

## Rating of Supermarkets by Cities:-

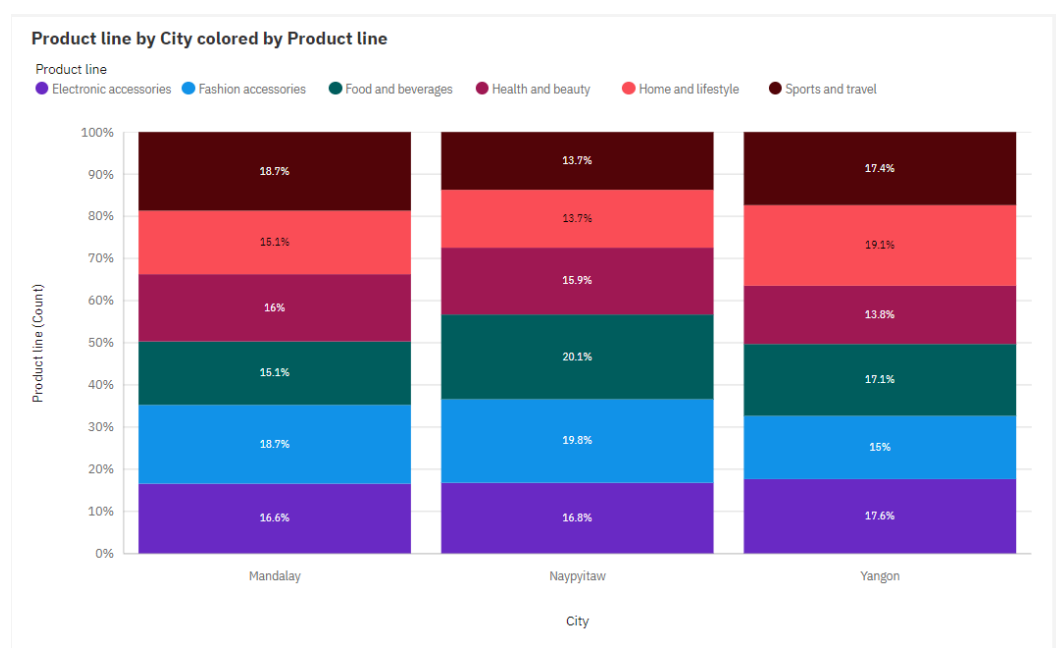
### Graph:-column

Rating by City colored by Rating



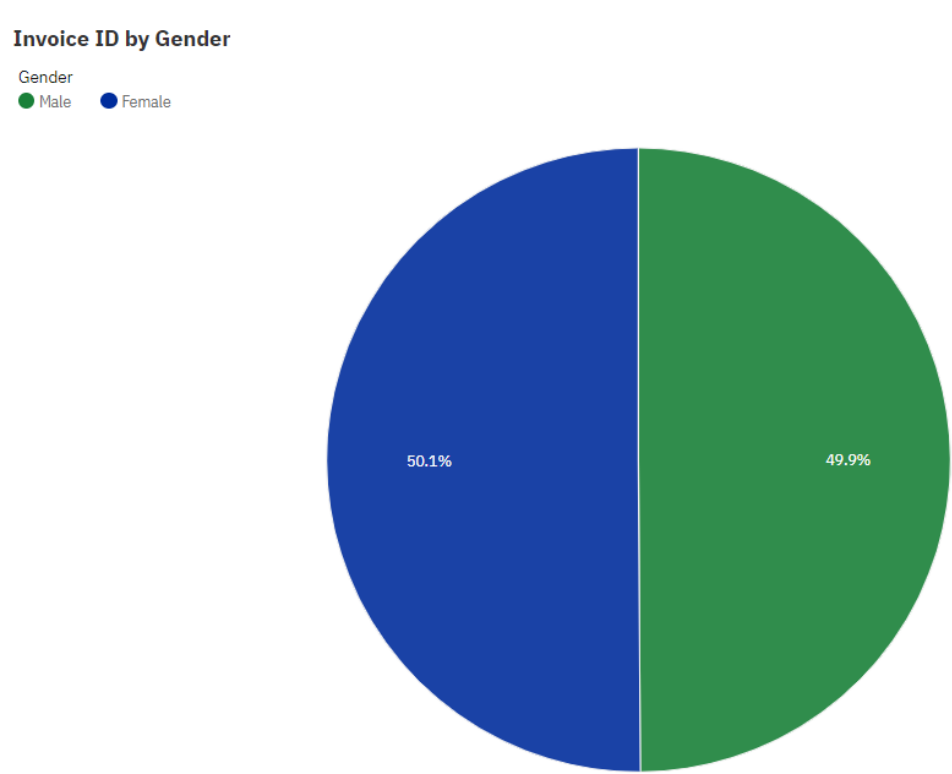
**Product line by City colored by Product line:-**

**Graph:- Stacked column**



**Invoice generated by Gender(M/F) in all Supermarkets:-**

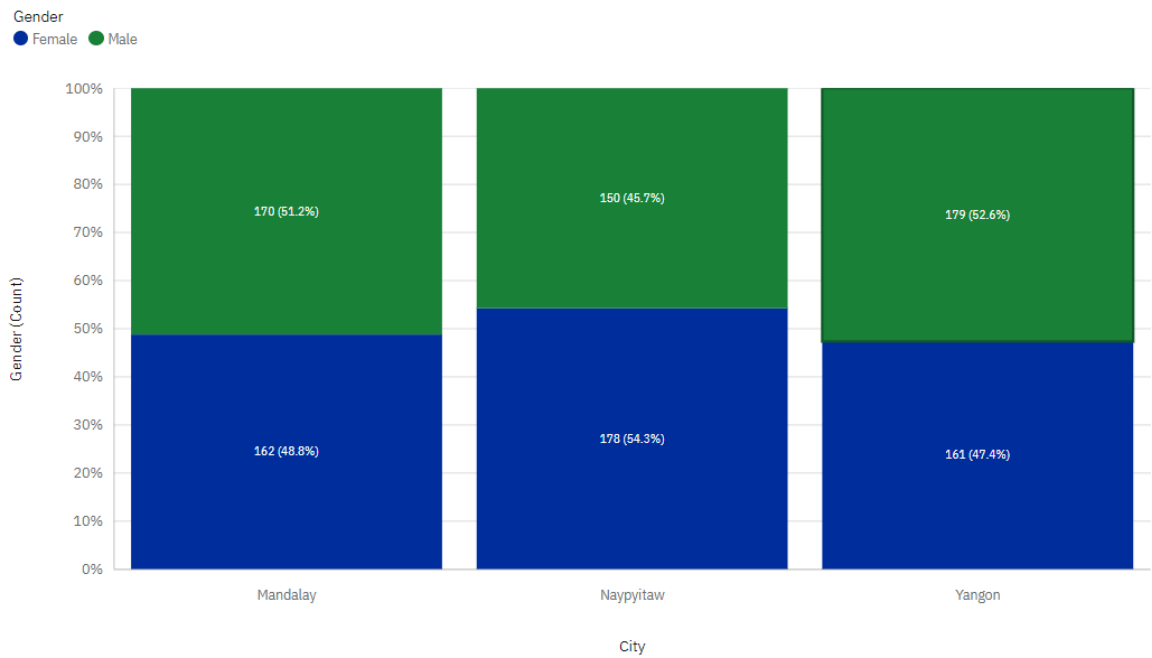
**Graph:- Pie Chart**



**Gender by Branch colored by Gende:-**

**Graph:- Stacked Column**

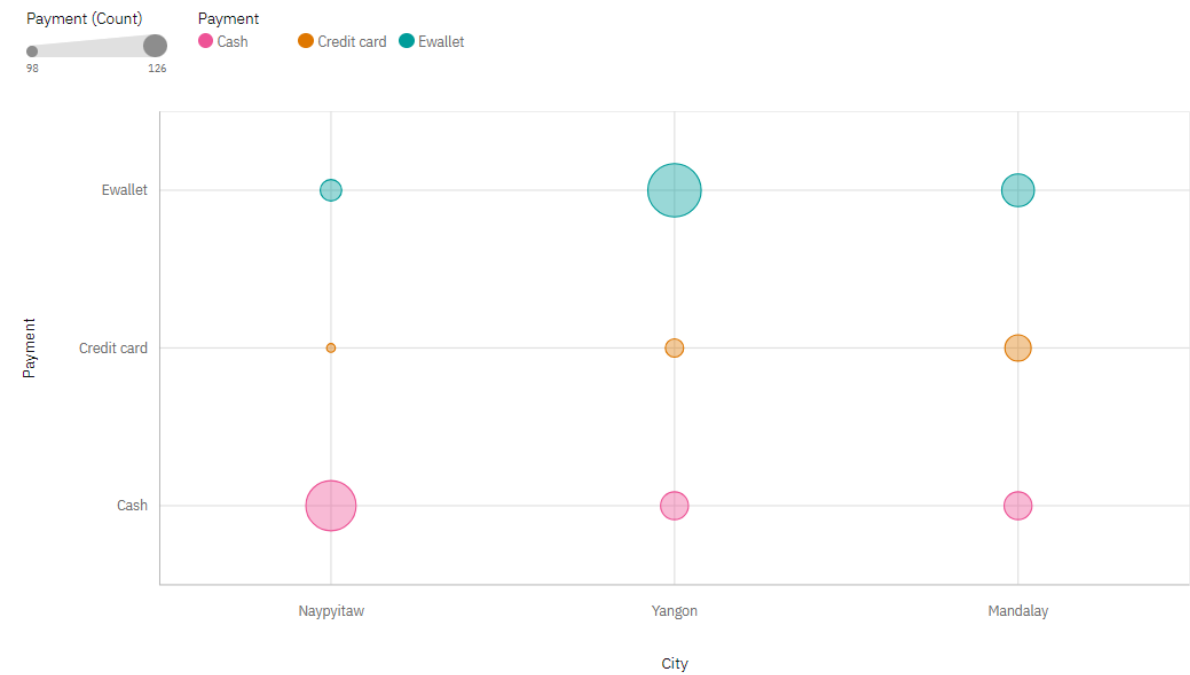
Gender by City colored by Gender



**Cities and Payments method:-**

**Graph:- Bubble Plot**

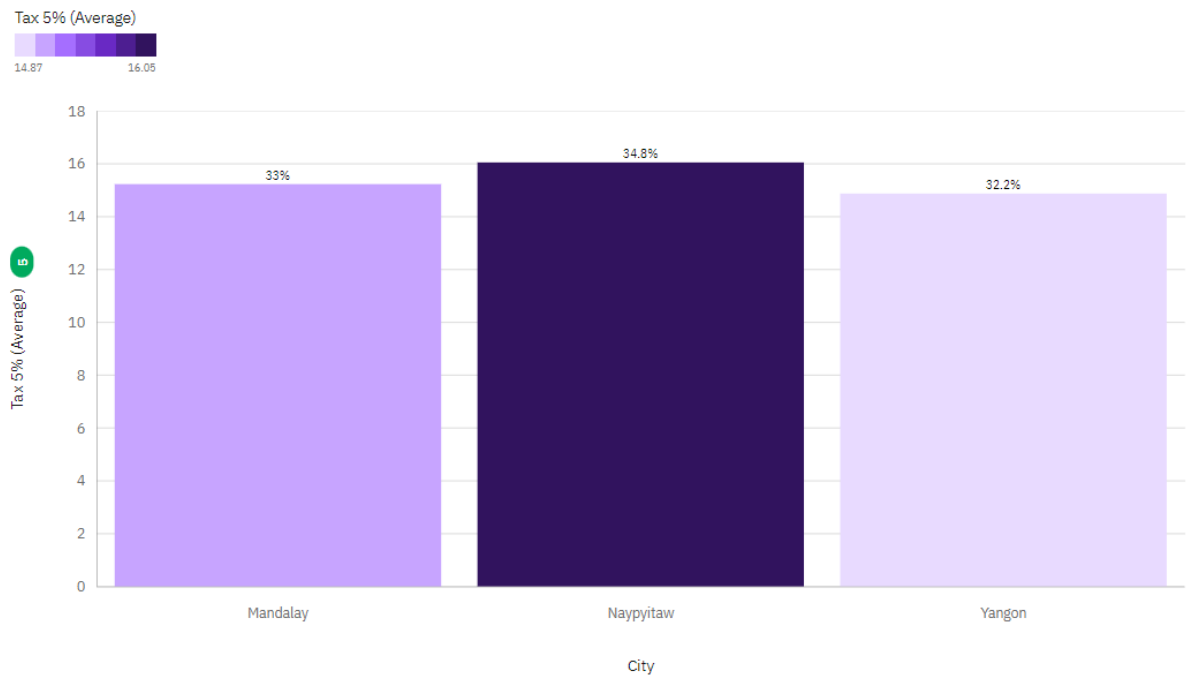
City and Payment with Payment and Payment for Payment



Taxes by cities Supermarket:-

Graph:-Column

Tax 5% by City colored by Tax 5%



City for Customer type and City:-

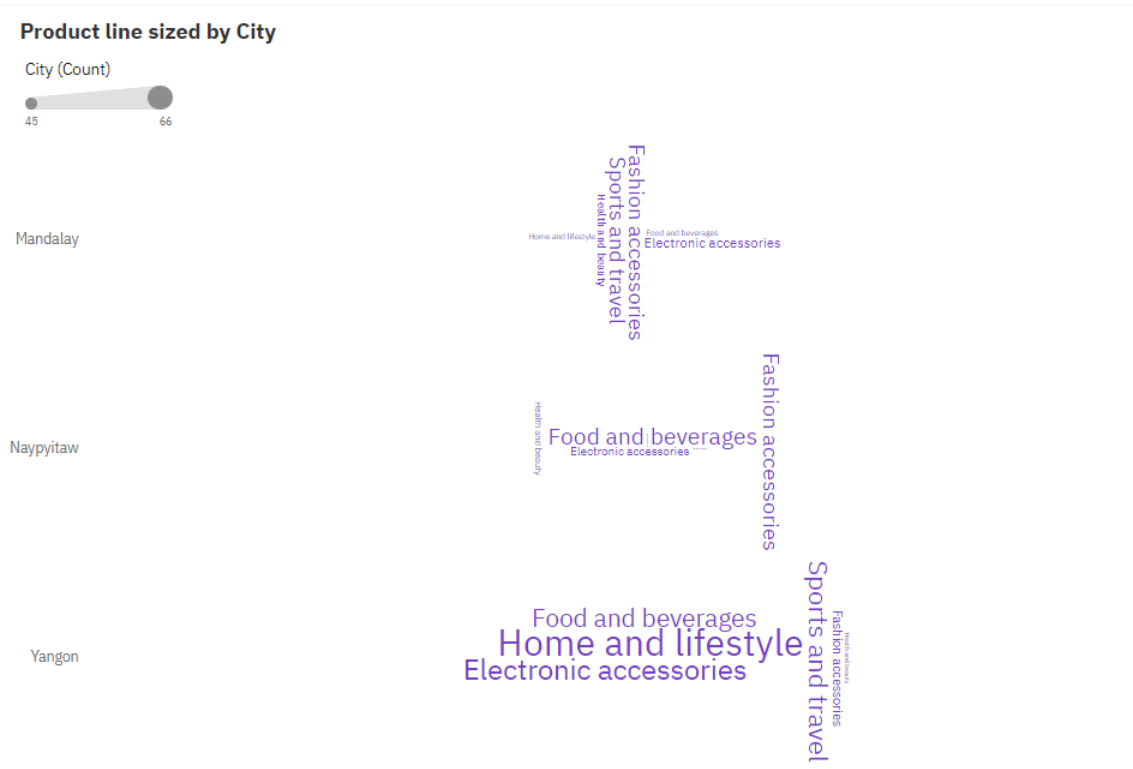
Graph:-Cross tab

City for Customer type and City

City	Member	Normal	Summary
Mandalay	165	167	332
Naypyitaw	169	159	328
Yangon	167	173	340
Summary	501	499	1,000

Product line sized by City:-

Graph:- Word Cloud



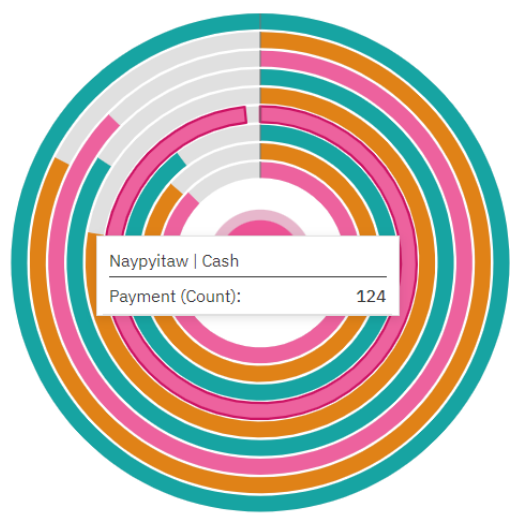
Payment by City colored by Payment:-

Graph:-Radical

Payment by City colored by Payment

Payment

Cash Credit card Ewallet



### Payment for city and Payment:-

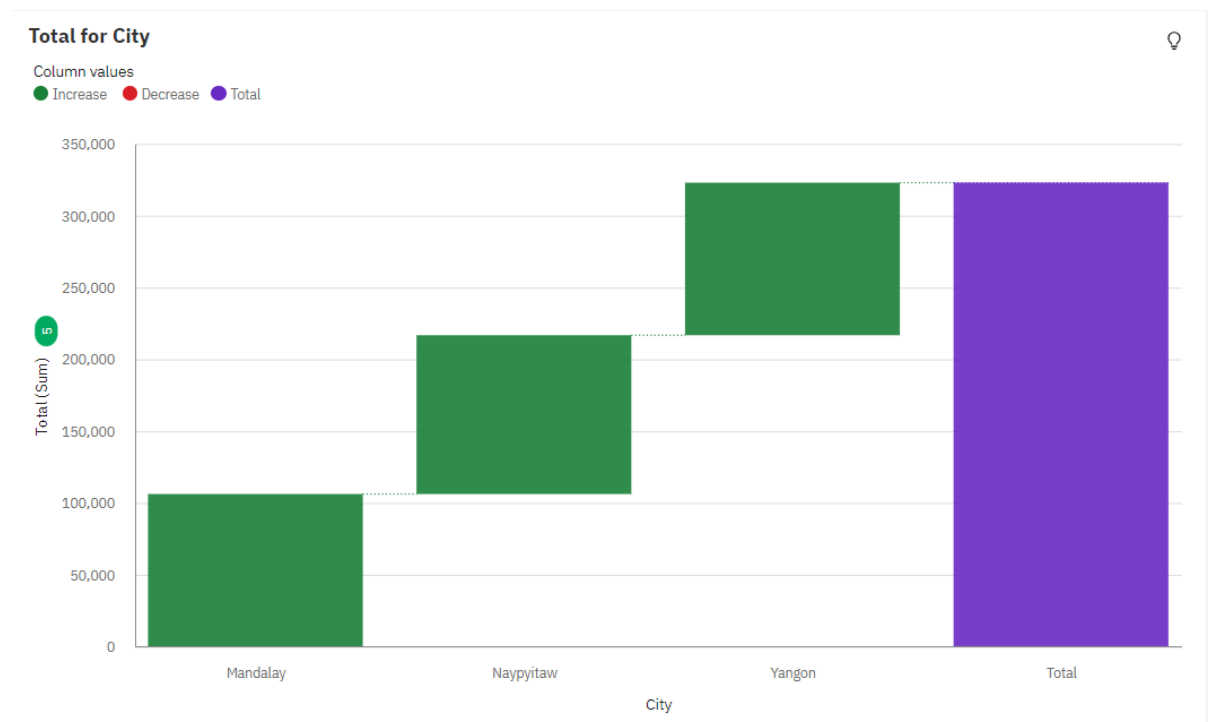
#### Graph:-Cross tab

Payment for City and Payment

Payment	Mandalay	Naypyitaw	Yangon	Summary
Cash	110	124	110	344
Credit card	109	98	104	311
Ewallet	113	106	126	345
Summary	332	328	340	1,000

### Revenue of each cities supermarkets for Total Revenue of Supermarkets(in 3 cities) :-

#### Graph:- Water fall



**Gender by city coloured by Gender:-**

**Graph:-column**

