Smartinternz externship

Data Analytics with IBM cognos Analytics

Assignment 3

Name: SHAIK HENNA YASMINE

Email ID: henna.21bec7206@vitapstudent.ac.in

Registration Number : 21BEC7206

Step One: Upload the dataset to Mysql and integrate with Tableau.

Removing unnecessary columns from the dataset.

Gender: In most cases, gender might not strongly influence overall sales predictions.

Tax: While tax is relevant to the total price, including it in the analysis might not add much predictive value.

Time: If you're looking at broader trends and patterns, specific purchase times might not be necessary.

Visualizations generated from the provided dataset.

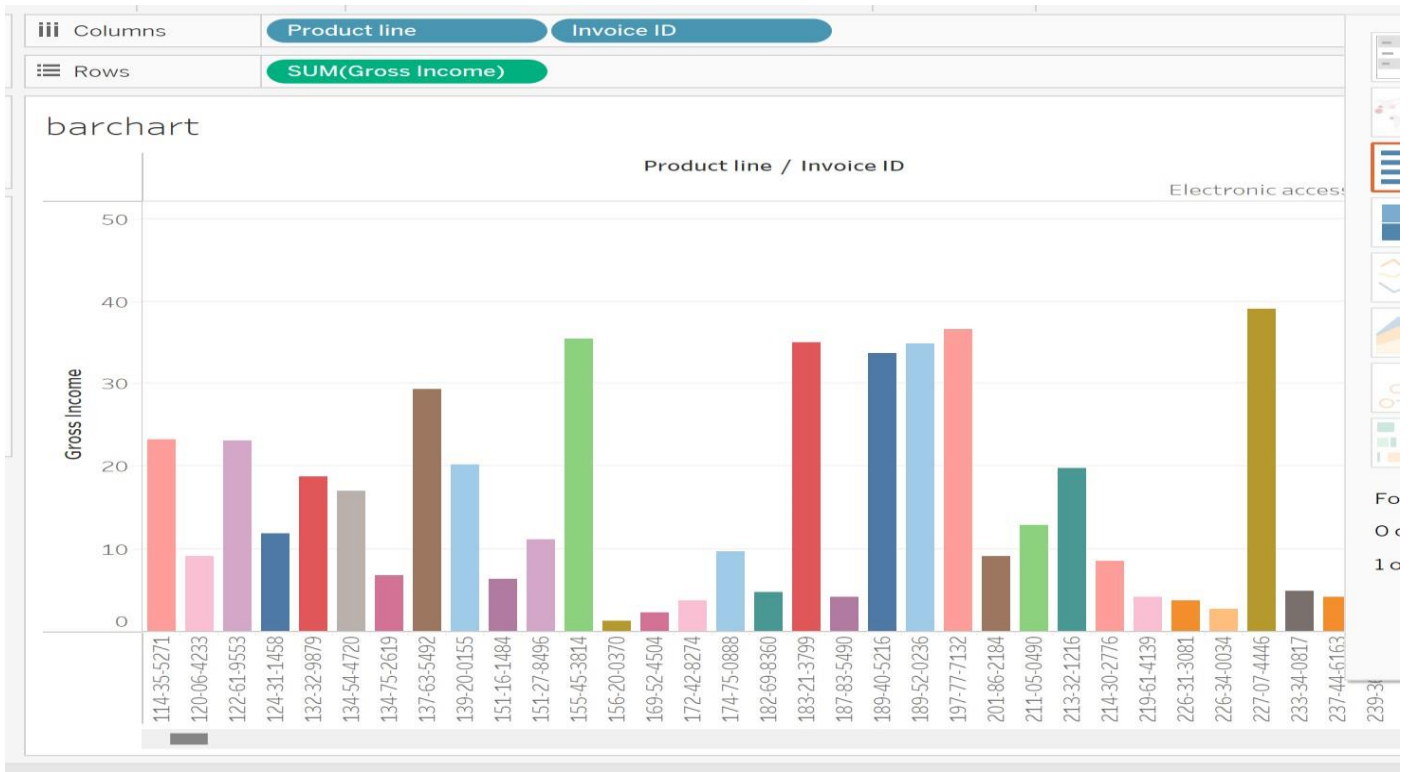# 1. Total Quantity by Date, Grouped by Branch"

Total Quantity: This tells the viewer what the vertical axis represents (the sum of quantities).
Date: This specifies the horizontal axis variable, which is the date.
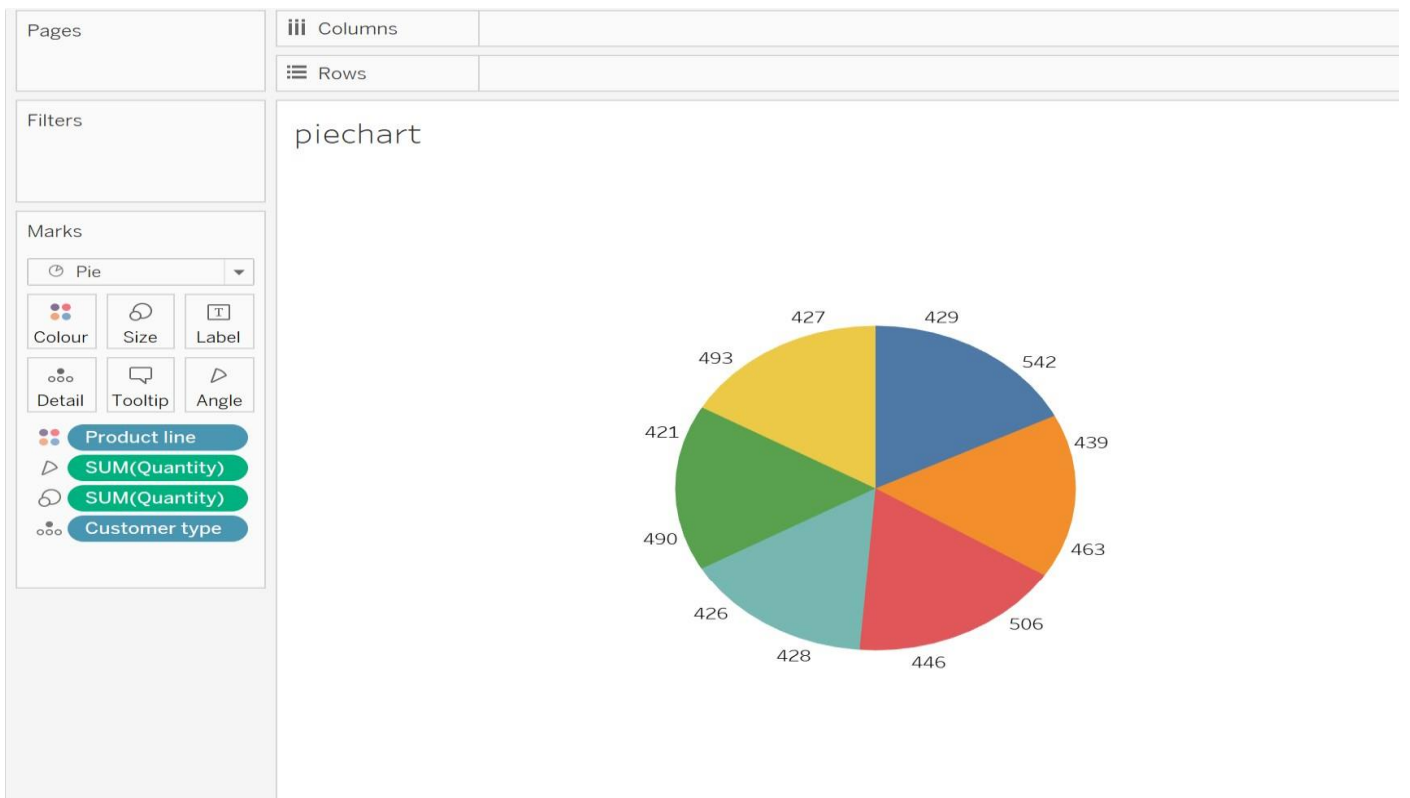Grouped by Branch: This explains how the data is differentiated or colored in the chart.
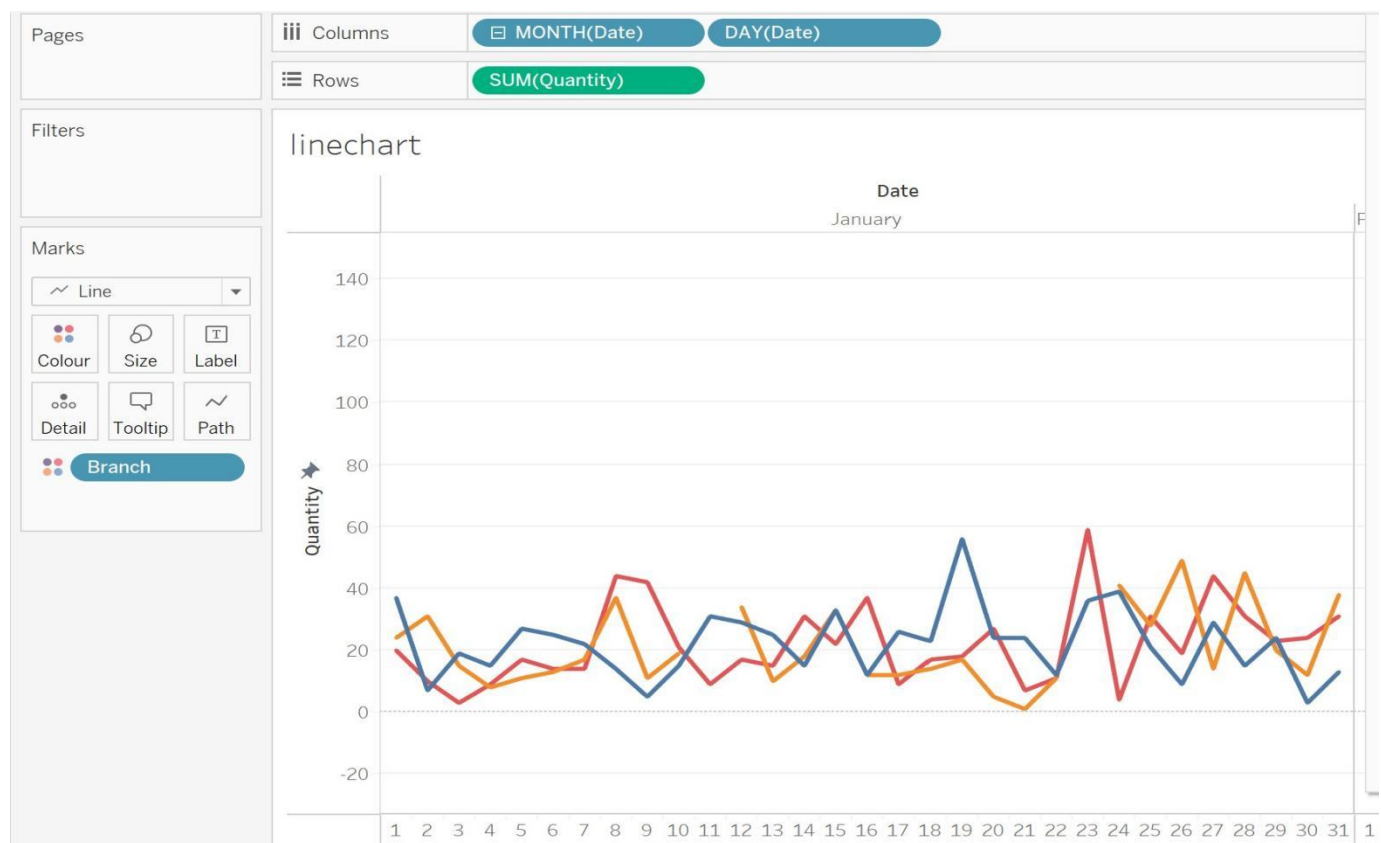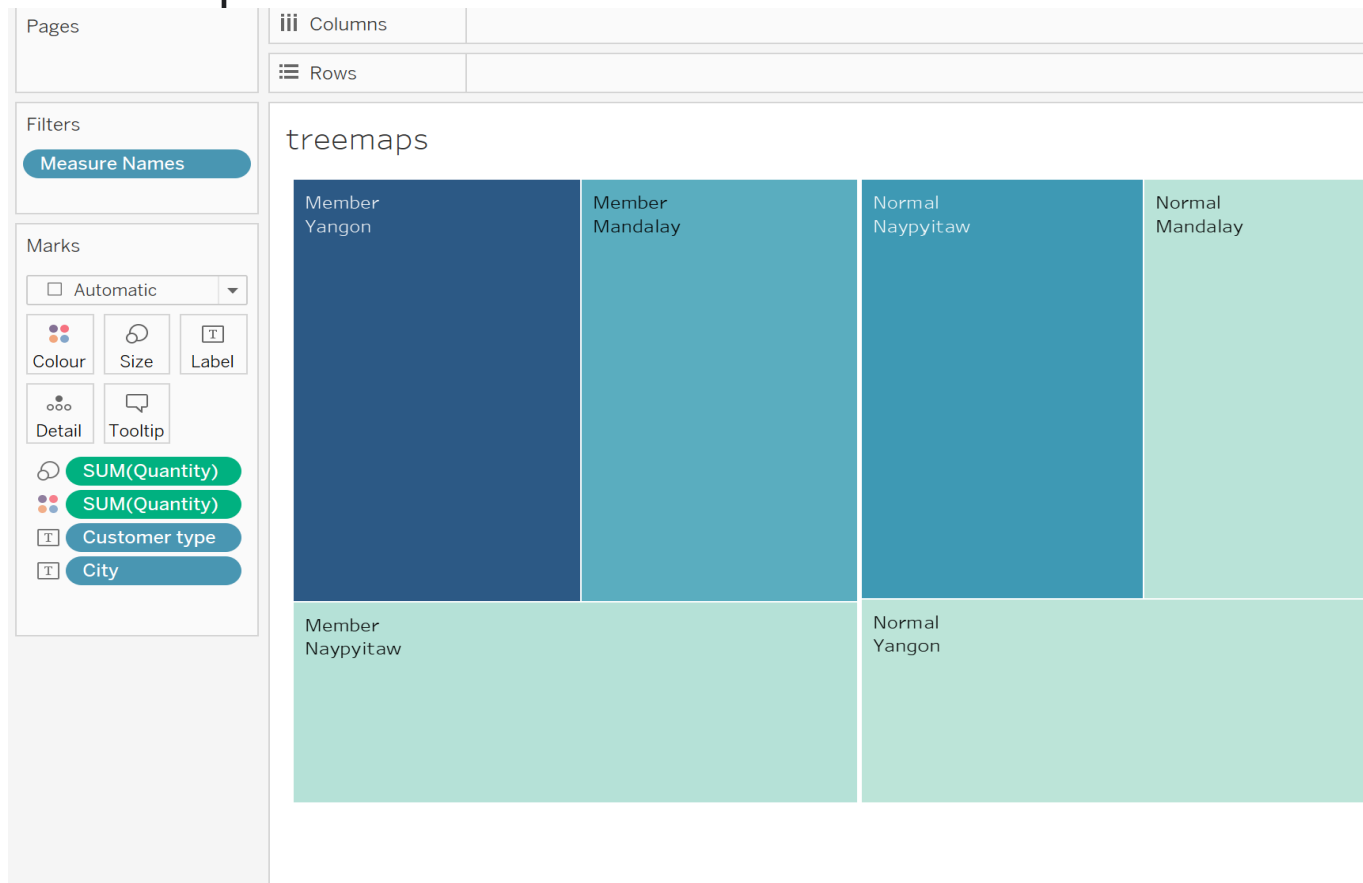
2. Gross Income by product line and Invoice ID.

3. Distribution of Total Quantity by Product Line and Customer Type

4. Average gross income by product line coloured by customer type and branch.

Pages		**Columns**	Product line	
		Rows	AVG(Gross Income)	

boxplot

Product line

Marks
Circle
Colour | Size | Label
Detail | Tooltip
Customer type
Branch

5. treemaps

Pages		**Columns**		
		Rows		

Filters
Measure Names

Marks
Automatic
Colour | Size | Label
Detail | Tooltip
SUM(Quantity)
SUM(Quantity)
Customer type
City

treemaps

6. area chart

Columns	⊟ MONTH(Date)	DAY(Date)
Rows	SUM(Quantity)	

Pages

Filters

Marks

⌁ Area ▾

Colour	Size	Label
Detail	Tooltip	

Product line

area chart

7.SCATTERPLOT

Columns	SUM(Total)
Rows	SUM(Quantity)

Pages

Filters

Invoice ID

Marks

⌘ Automatic ▾

Colour	Size	Label
Detail	Tooltip	Shape

Invoice ID
SUM(Unit pric..
Branch

scatterplot