

Smartinternz Externship

Data Analytics with IBM Cognos Analytics



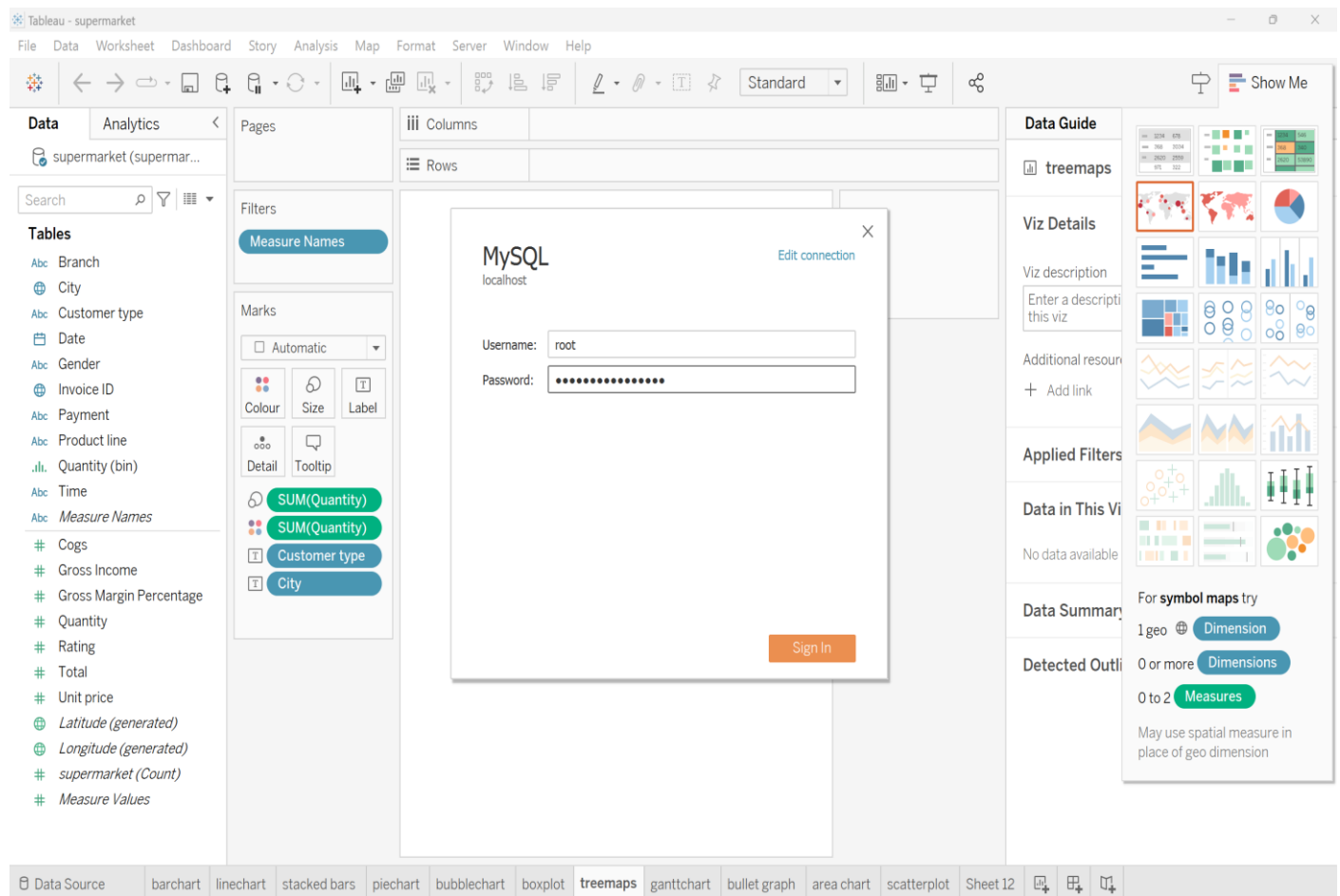
Assignment 3

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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.

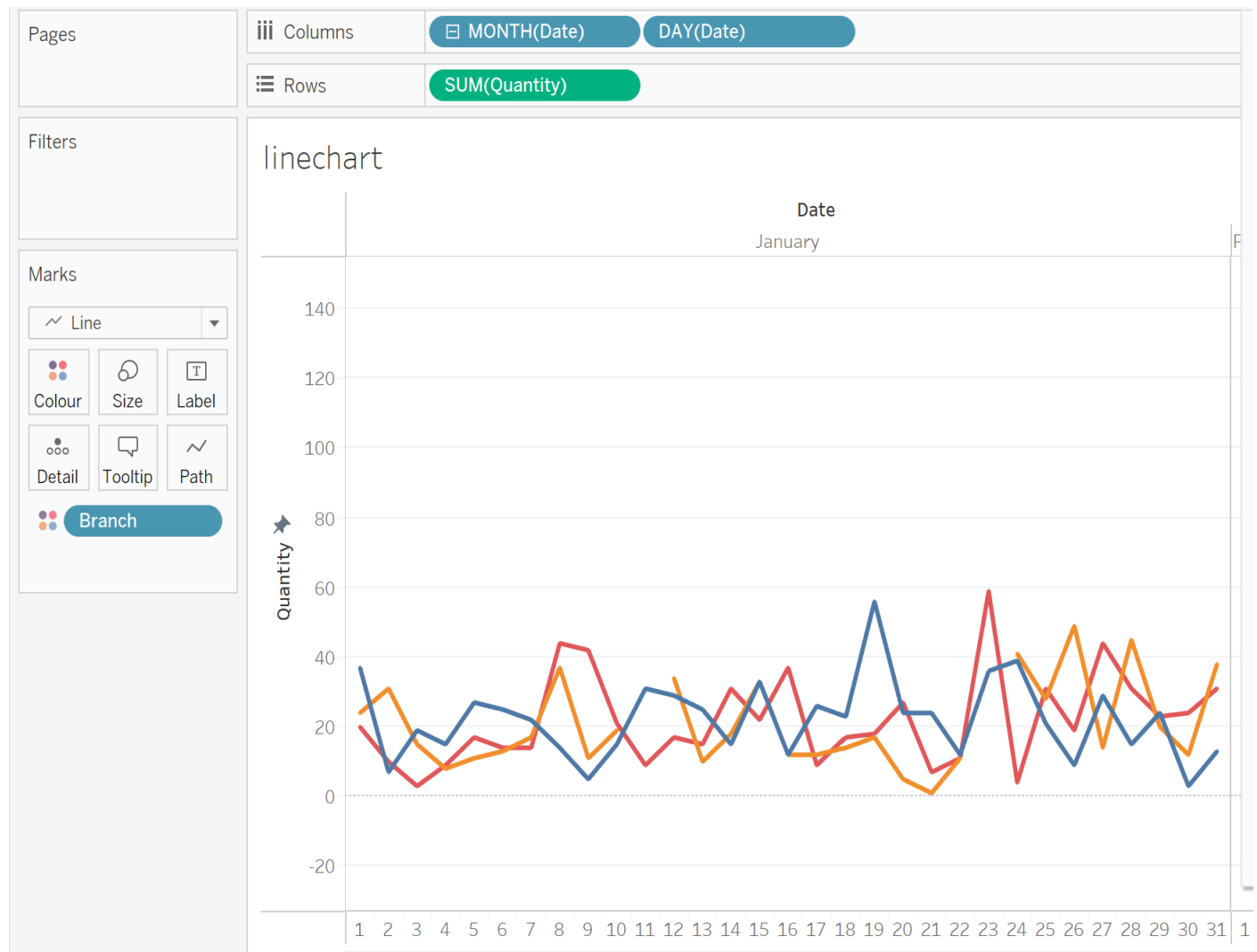
Visualizations generated from the provided dataset.

1. Total Quantity by Date, Grouped by Branch"

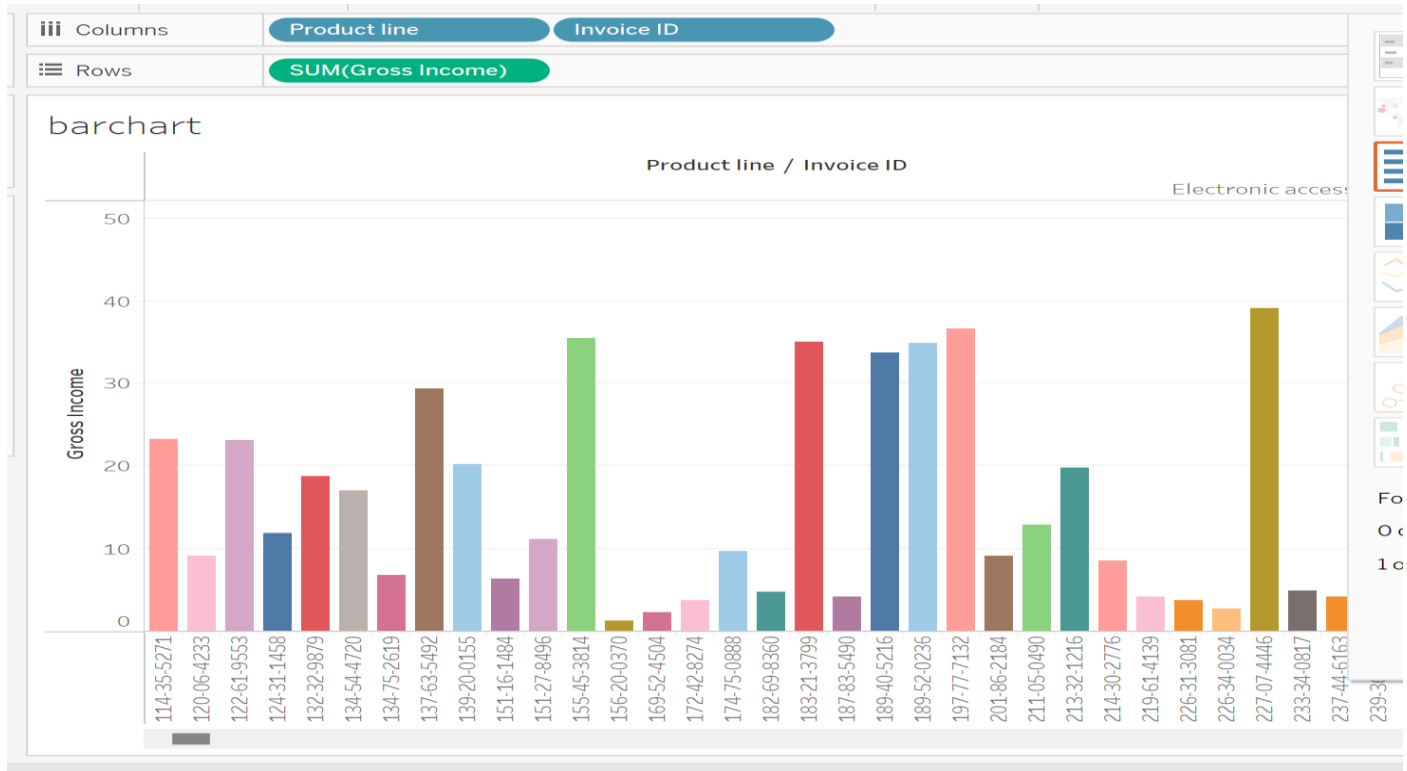
Total Quantity: This tells the viewer what the vertical axis represents (the sum of quantities).

Date: This specifies the horizontal axis variable, which is the date.

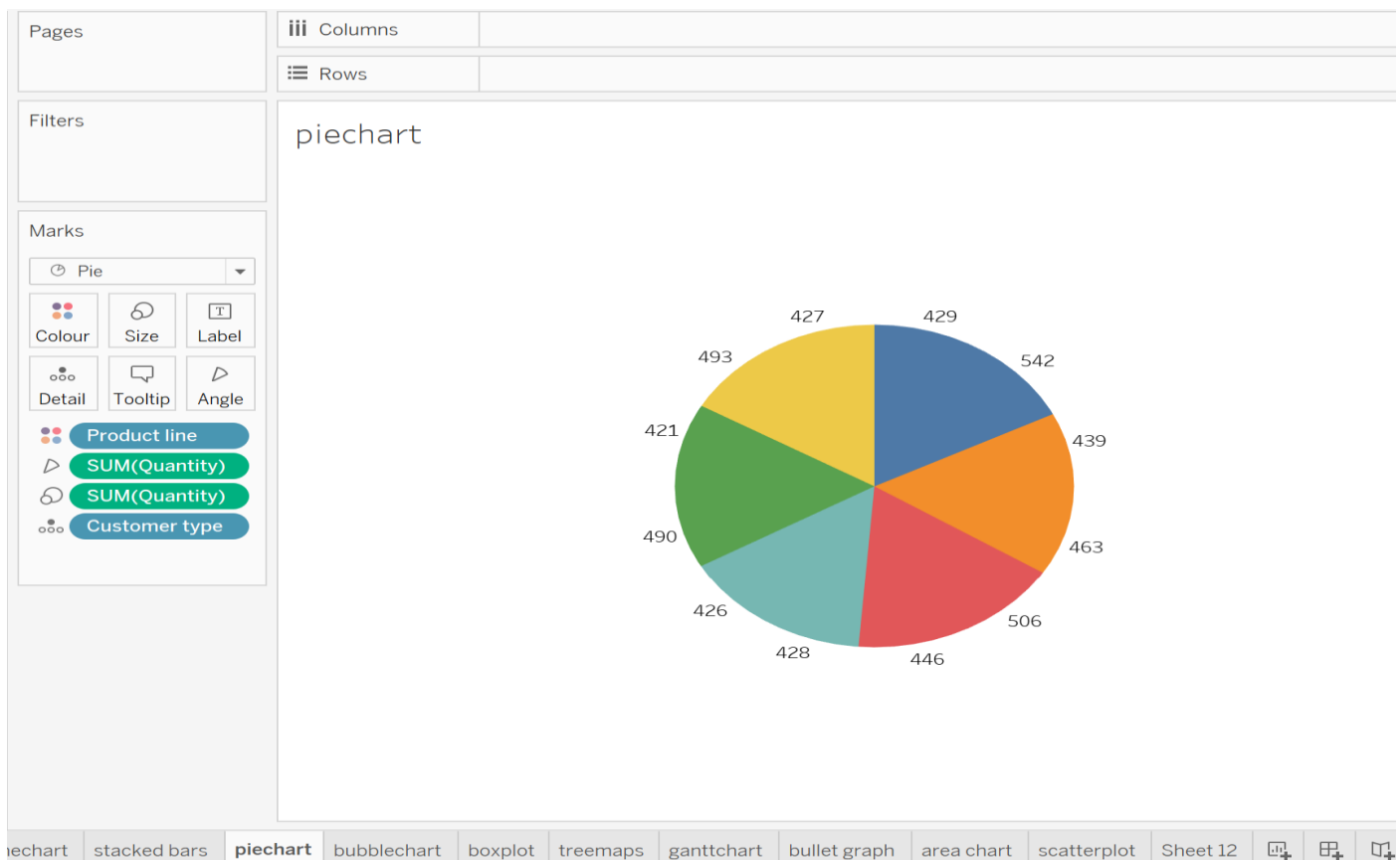
Grouped by Branch: This explains how the data is differentiated or colored in the chart.



2. Gross Income by product line and Invoice ID.



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

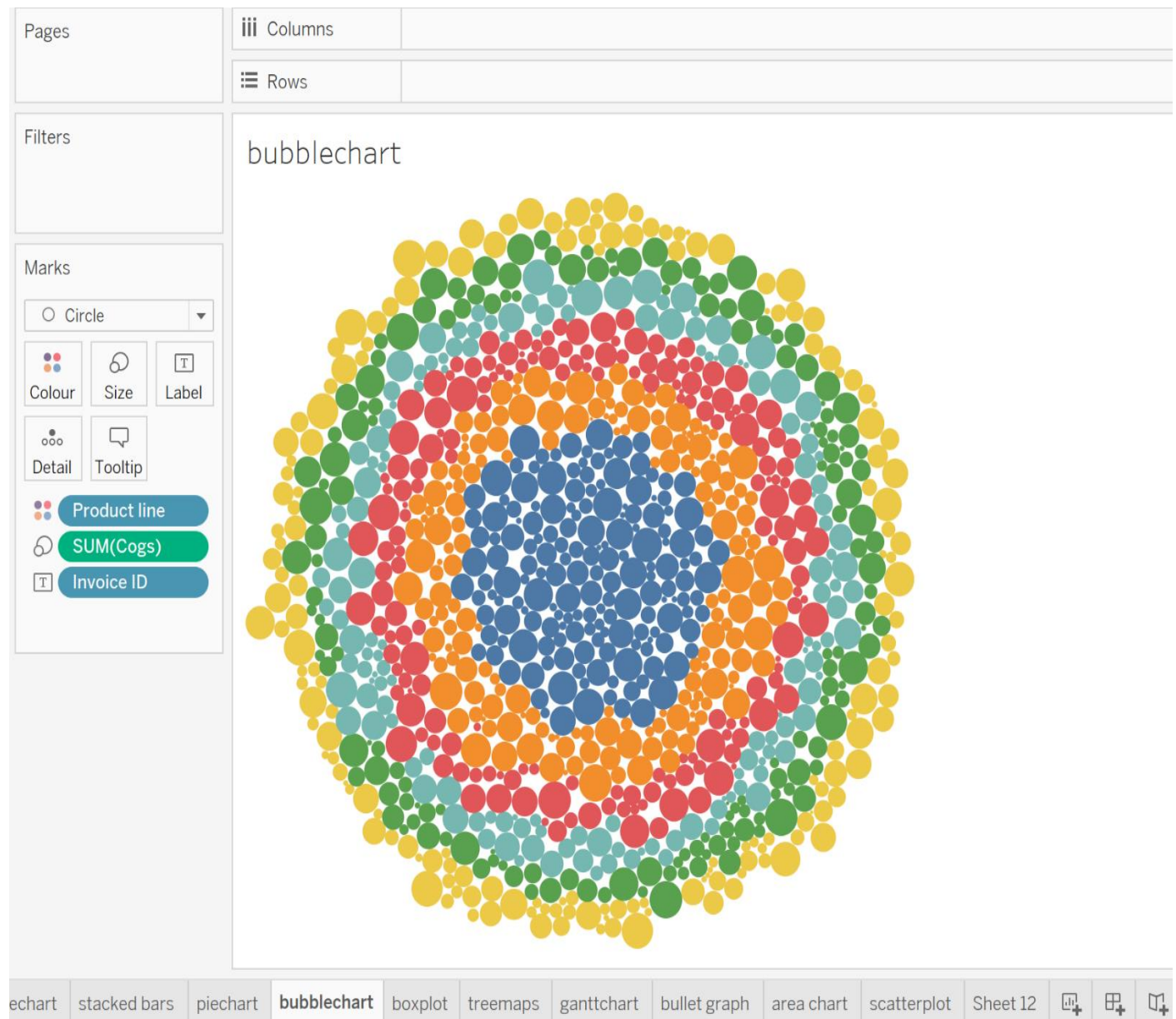


4. Bubble Chart: Product Line, COGS, and Invoice ID

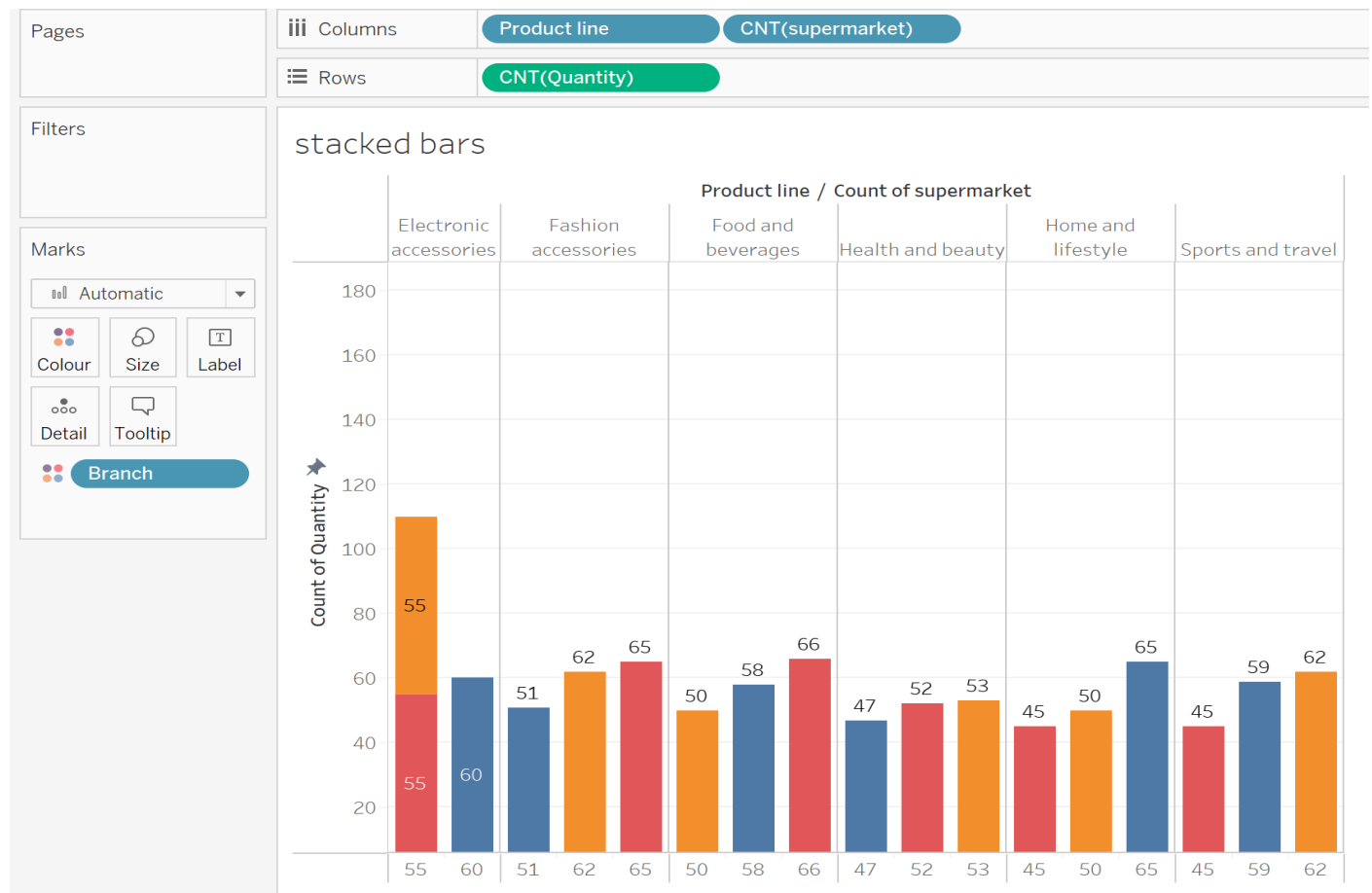
Product Line: This indicates one of the attributes being represented by the bubbles.

COGS: which is the sum of costs of goods sold.

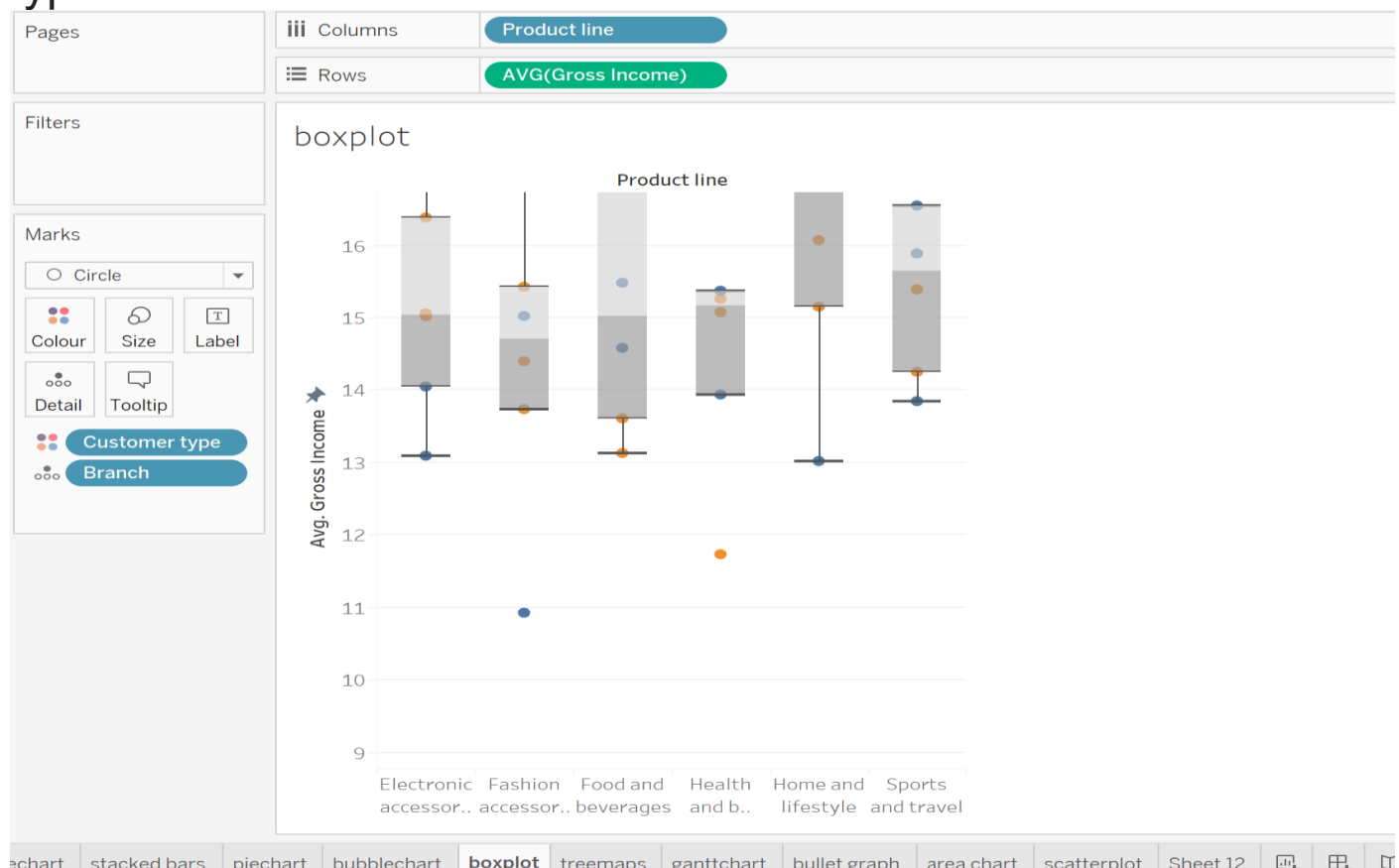
Invoice ID: This adds the third dimension, indicating that the bubbles may represent individual invoices or transactions.



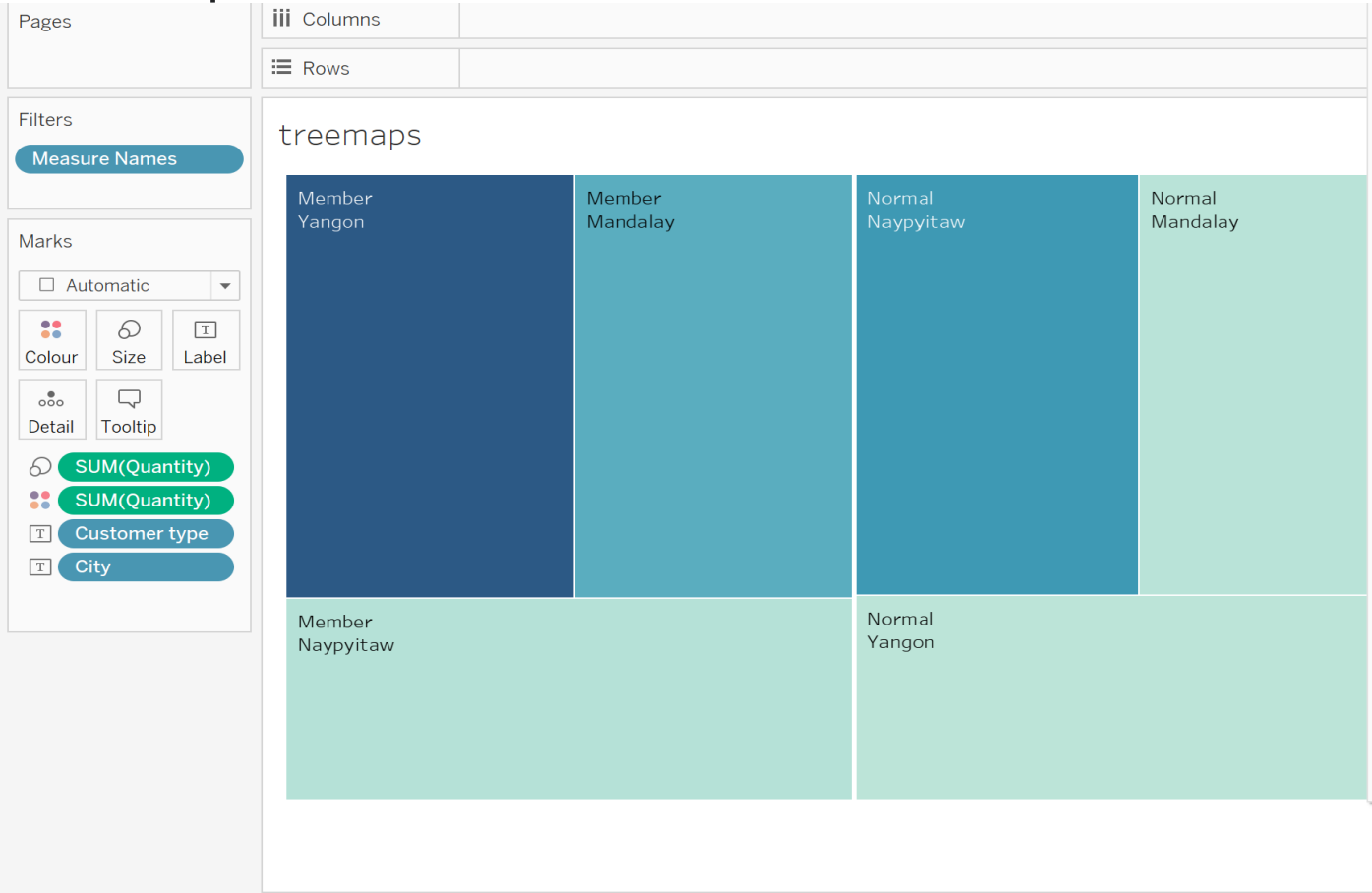
5. count by product line and CNT(supermarket) coloured by branch



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

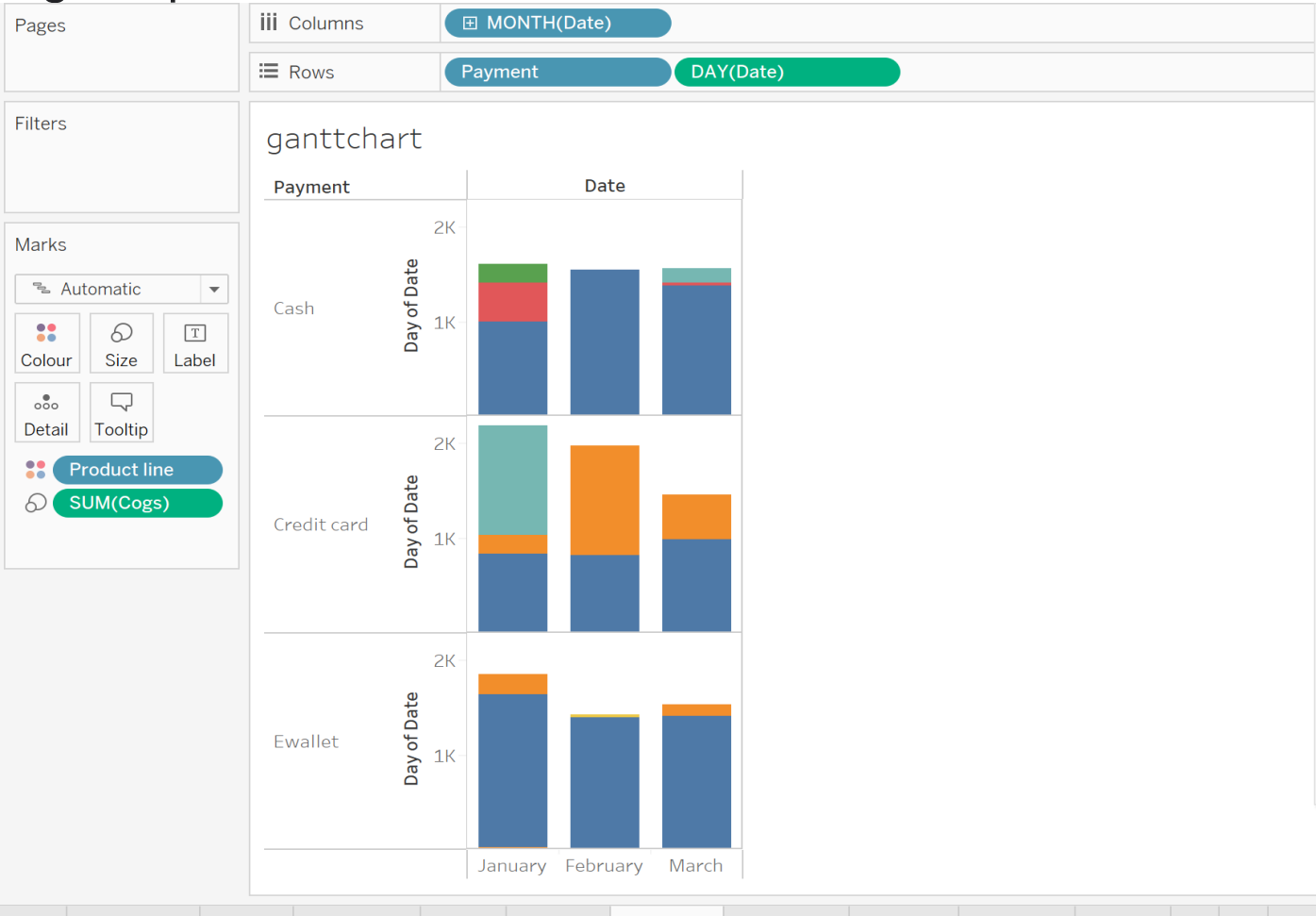


7.treemaps

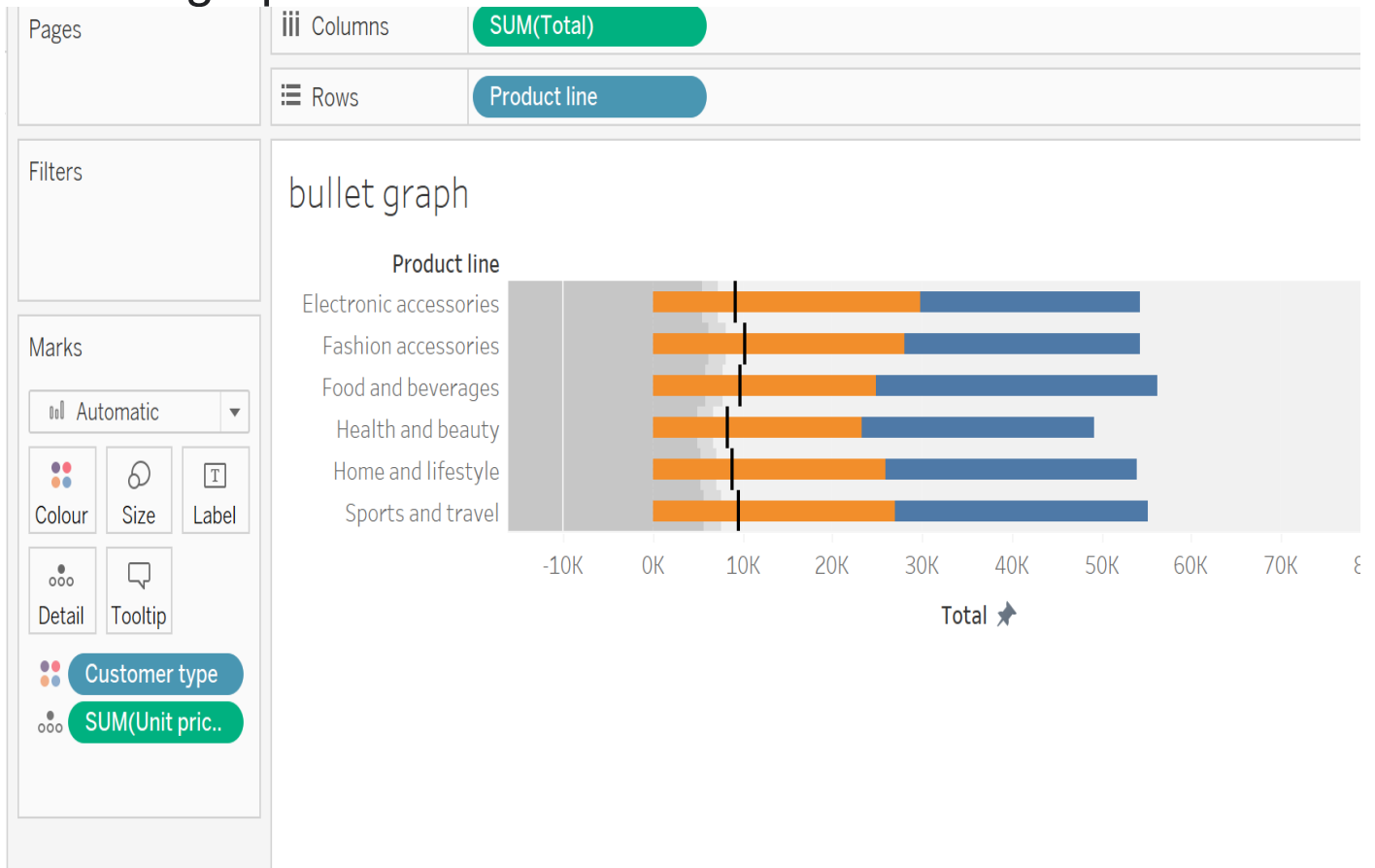


echartstacked barspiechartbubblechartboxplot**treemaps**ganttchartbullet grapharea chartscatterplotSheet 12

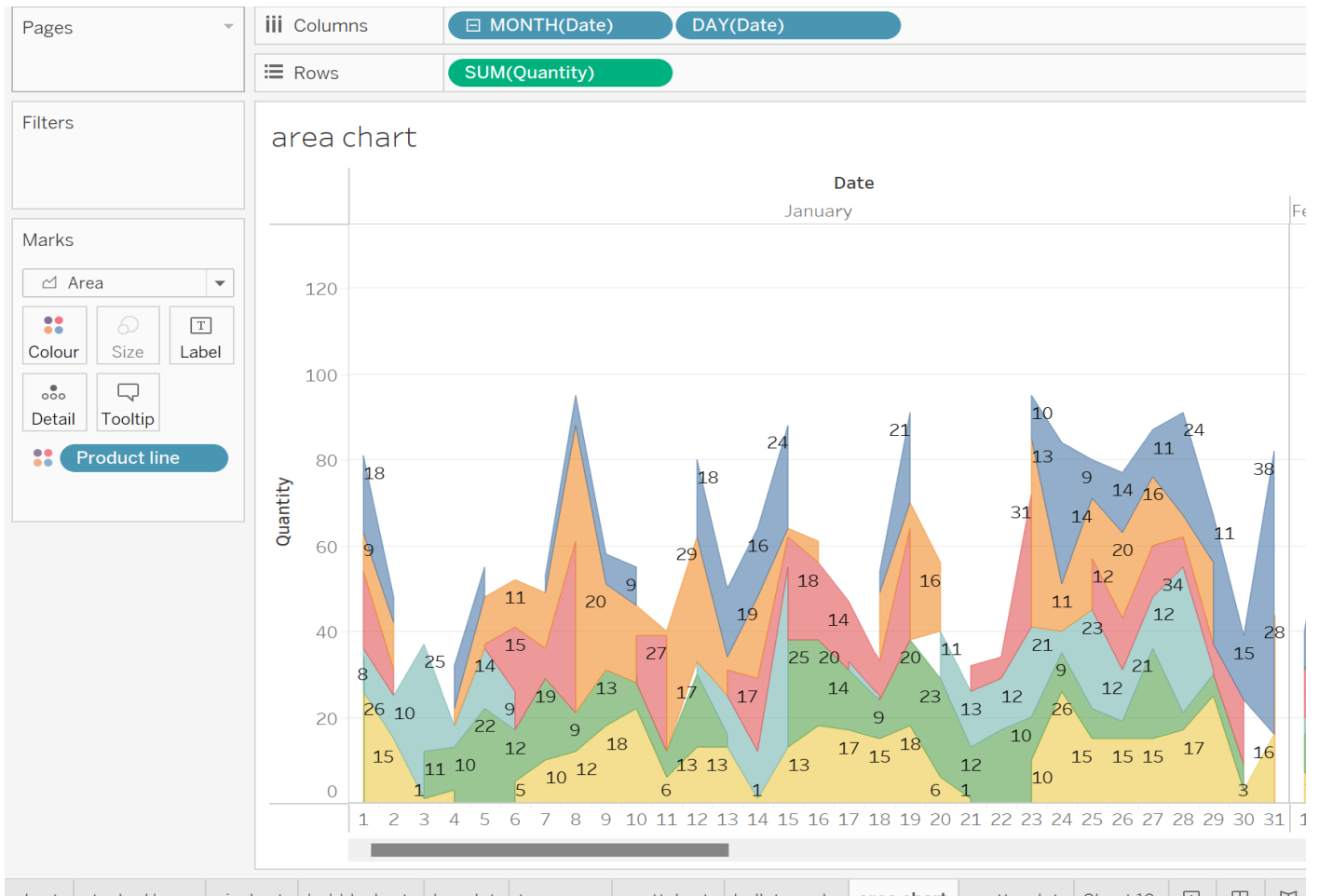
8.gantt plot



9. bullet graph.



10. area chart



11.SCATTERPLOT

