Power BI Introduction

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CLASS STARTING SHARP AT 3:05 PM

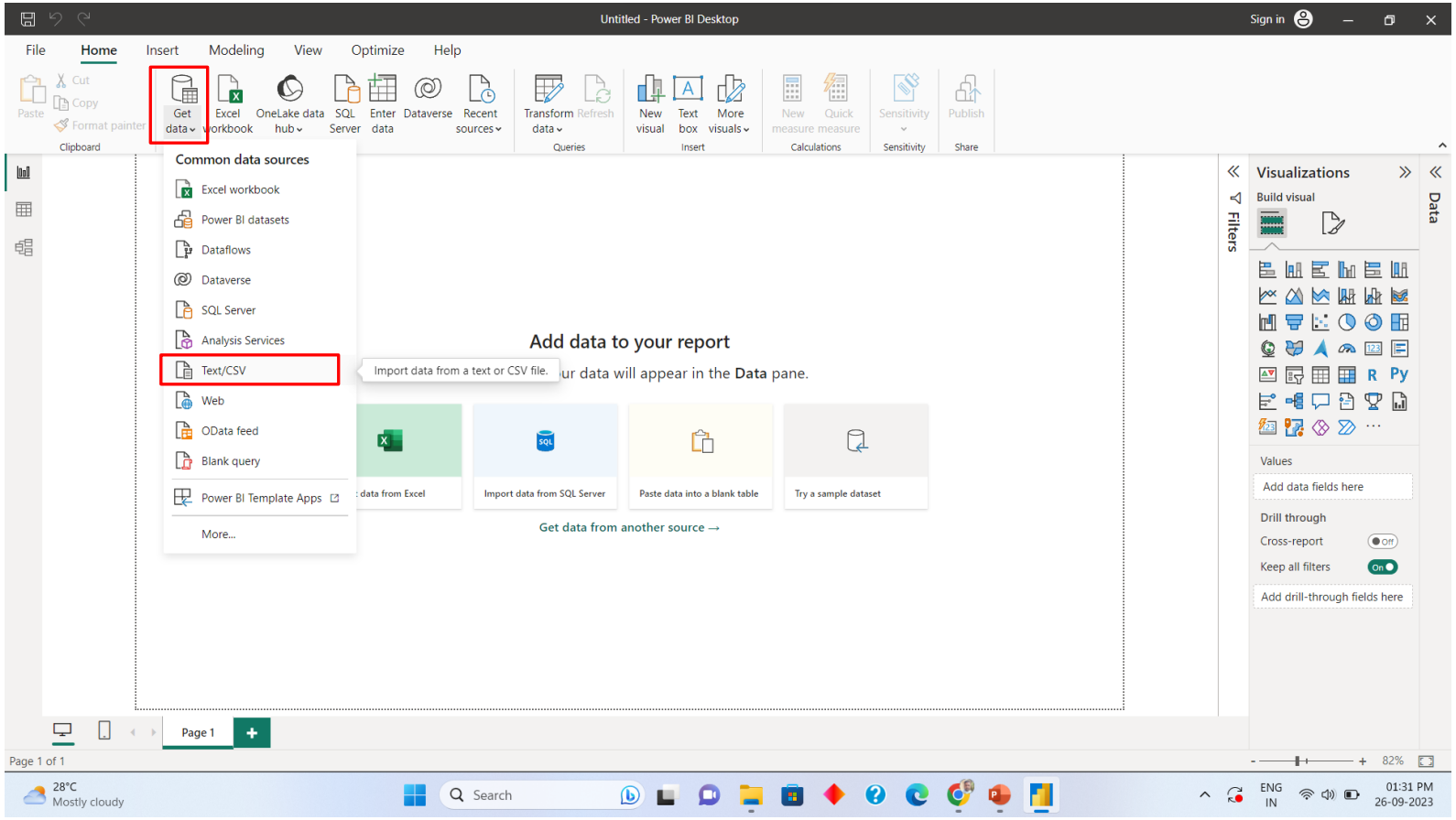
Wifi – Airtel 403 Password – Etlhive@2602

CLASS STARTING AT 3:05 PM

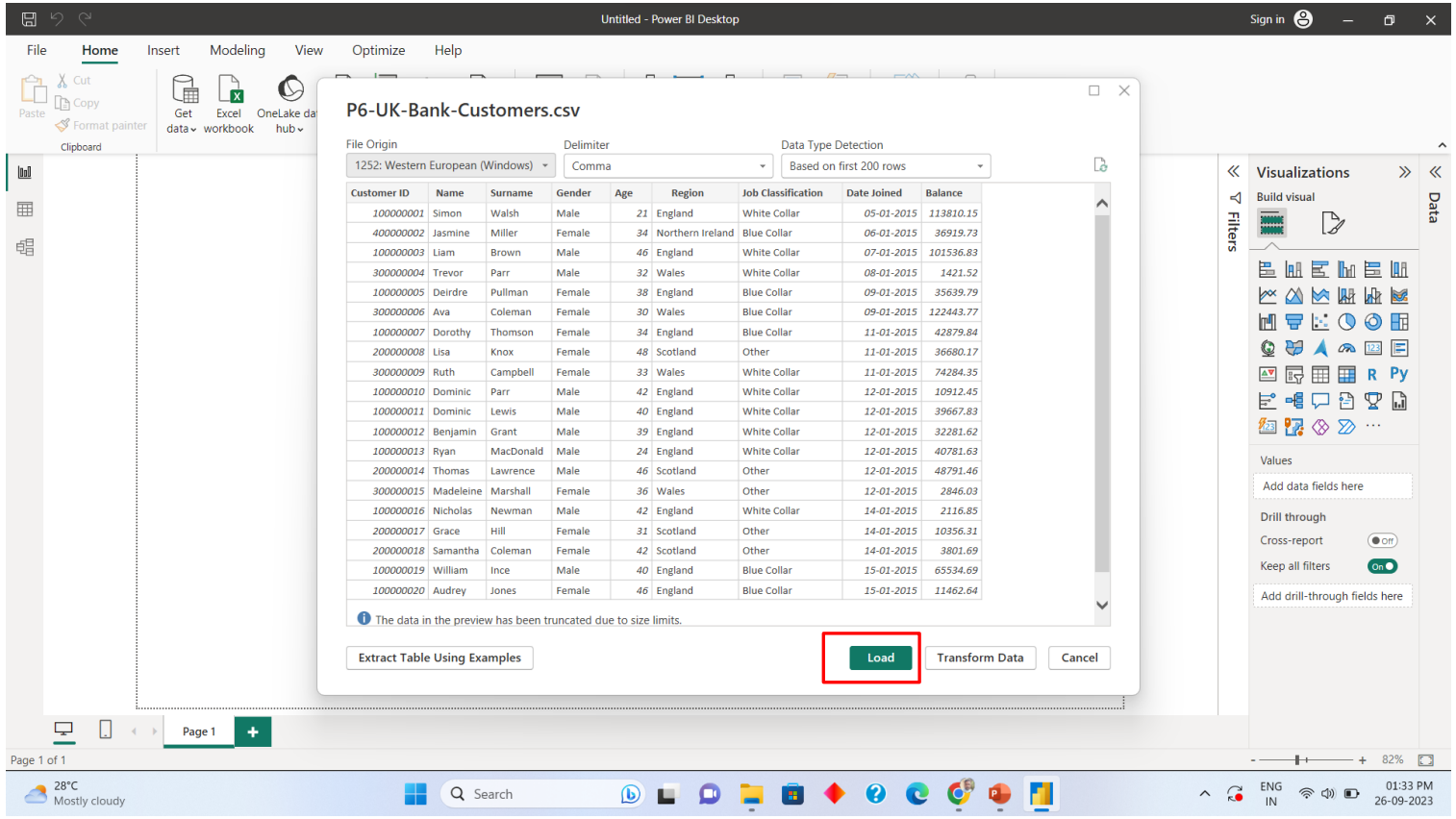
Power BI vs Tableau Differences

	TABLEAU	OR	POWER BI
Visualizations	Mobile friendly dashboards with perfect ability to integrate infinite amount of datapoints in analysis		Excel like UI, limited data points in visualizations, row size limitation
Data Sources	Ability to connect to numerous database sources and servers, compatible with Azure, AWS		Limited ability to connect to all types of data sources, compatible with Azure
Data Handling	Robust BI tool, handles millions of rows of data, no impact on the performance of the dashboards		Better for smaller data sets, time-outs and slow performance for larger datasets
Analytics	Wide range of analytics capabilities suitable for users of all skill groups		Highly technical nature of the data models, needs strong understanding of data modeling concepts
achine Learning	In-built machine-learning algorithms, recent addition of speech analytics tool		Pre-built machine-learning systems with the recent Azure Cognitive Services

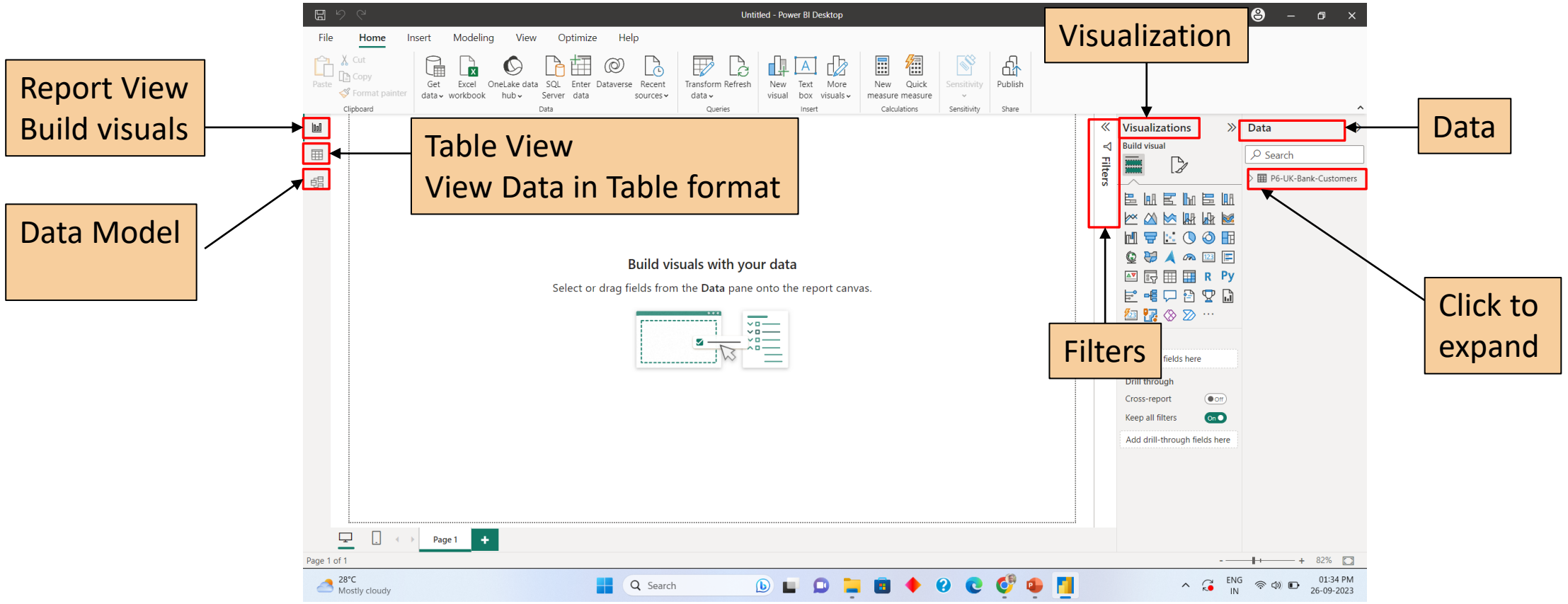
Power BI Loading a csv file



Press Load after opening dataset

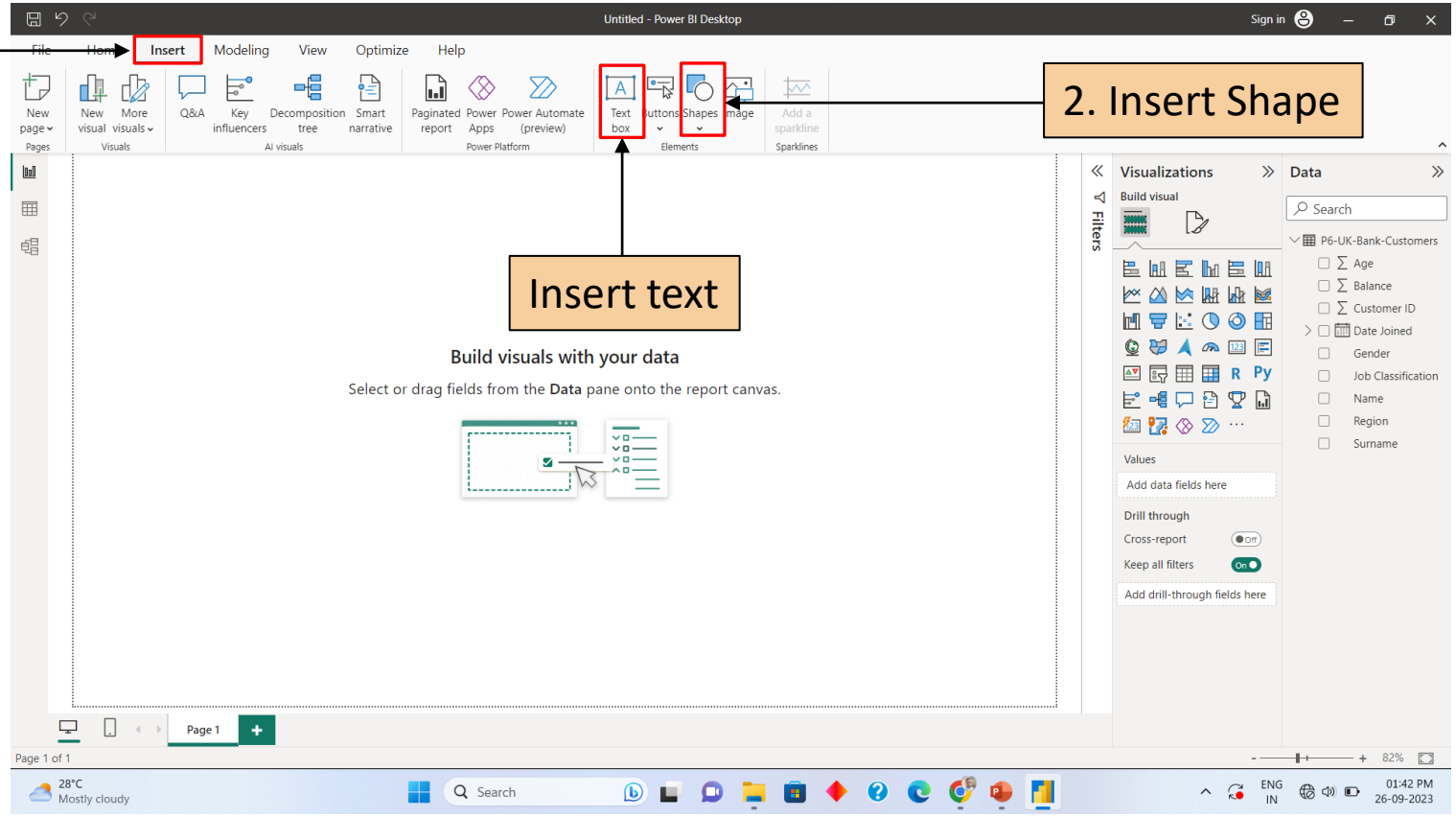


Power BI Interface

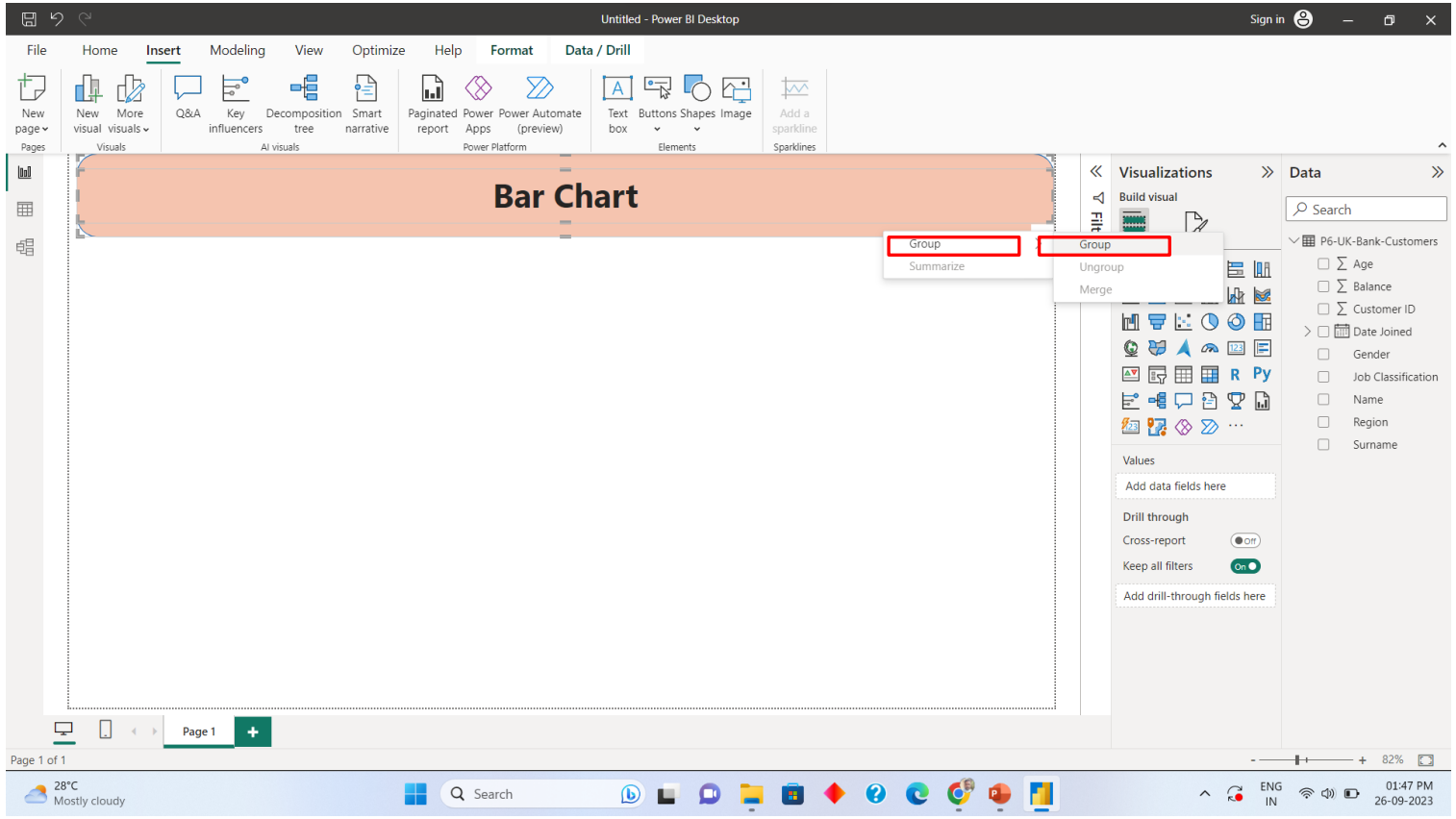


Custom visuals
Adding shape and text on top

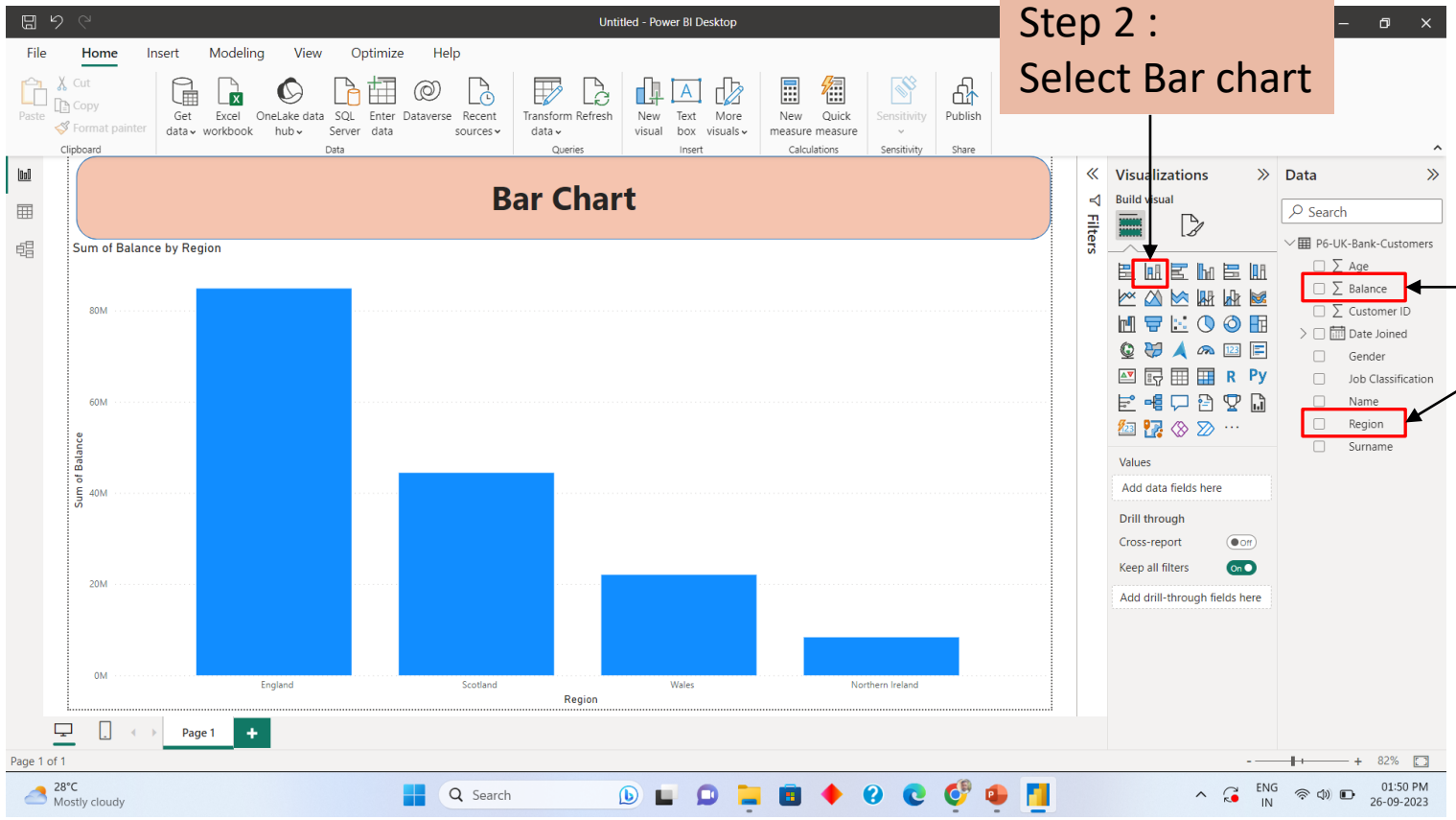
1. Click Insert



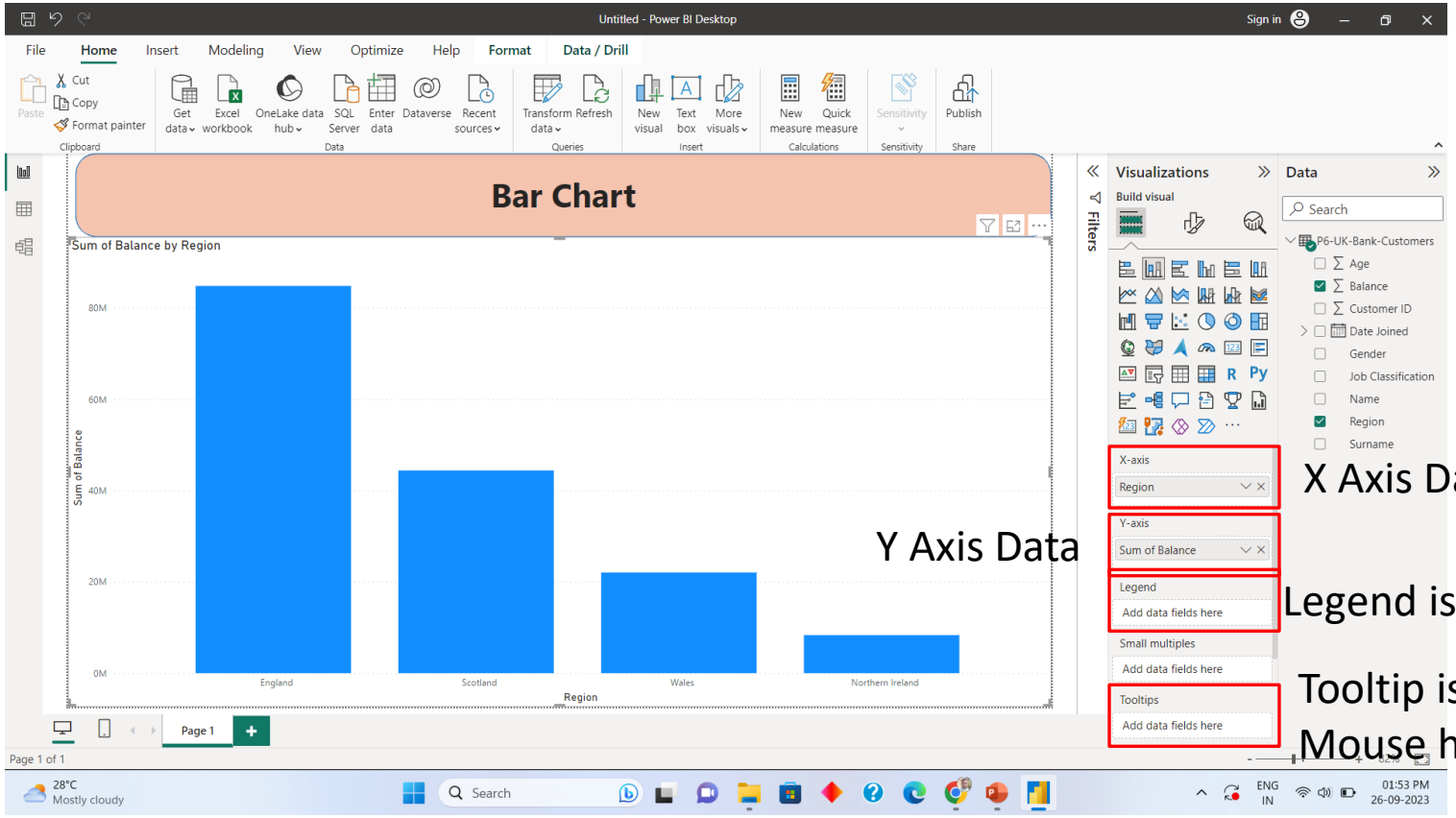
Grouping the shape and text



Bar Chart


Step 2 :
Select Bar chart
Step 1 :
Select Data
To Visualize
Untitled - Power BI Desktop
Bar Chart
Sum of Balance by Region
Sum of Balance
Region
England
Scotland
Wales
Northern Ireland
Visualizations
Data
Filters
Page 1

Build Visual Details



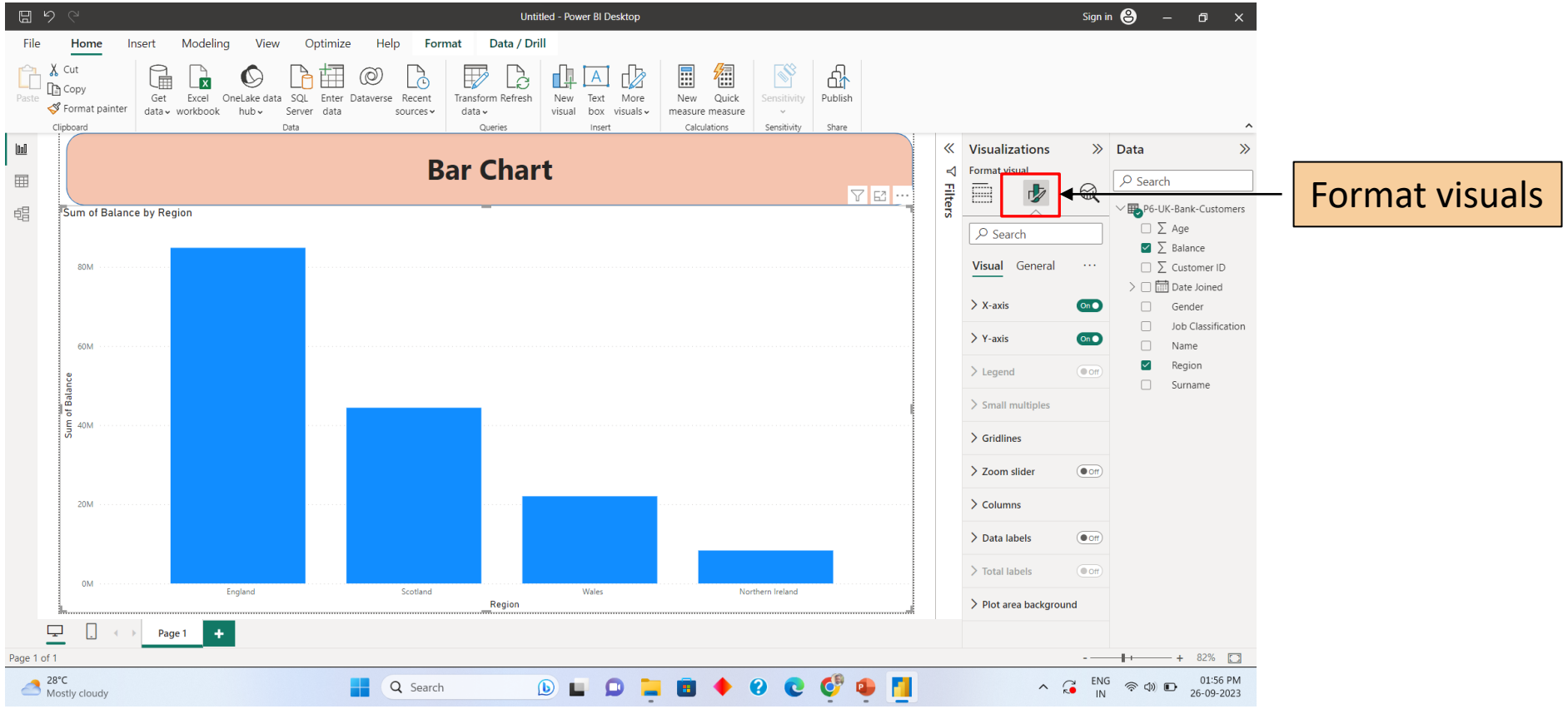
Y Axis Data

X Axis Data

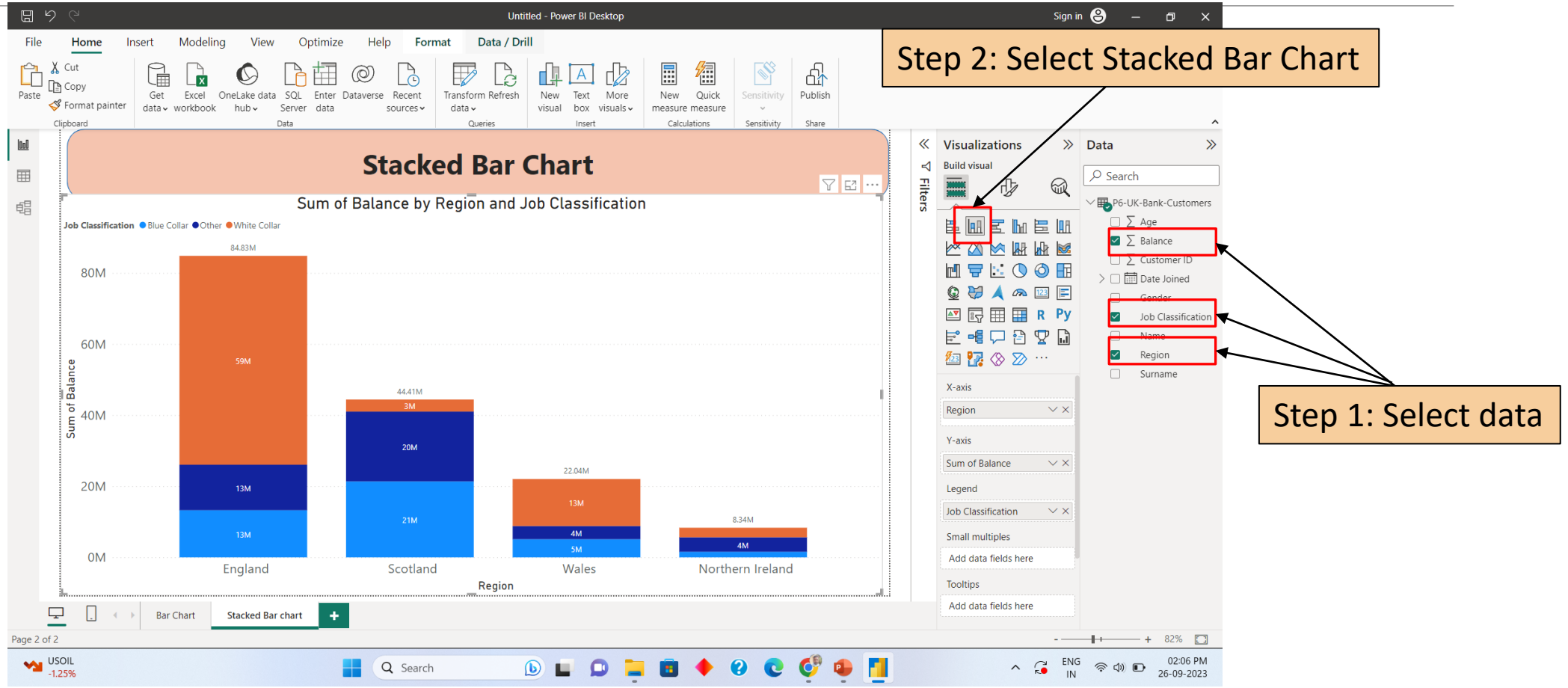
Legend is similar to color in Tableau

Tooltip is to show details when Mouse hovered

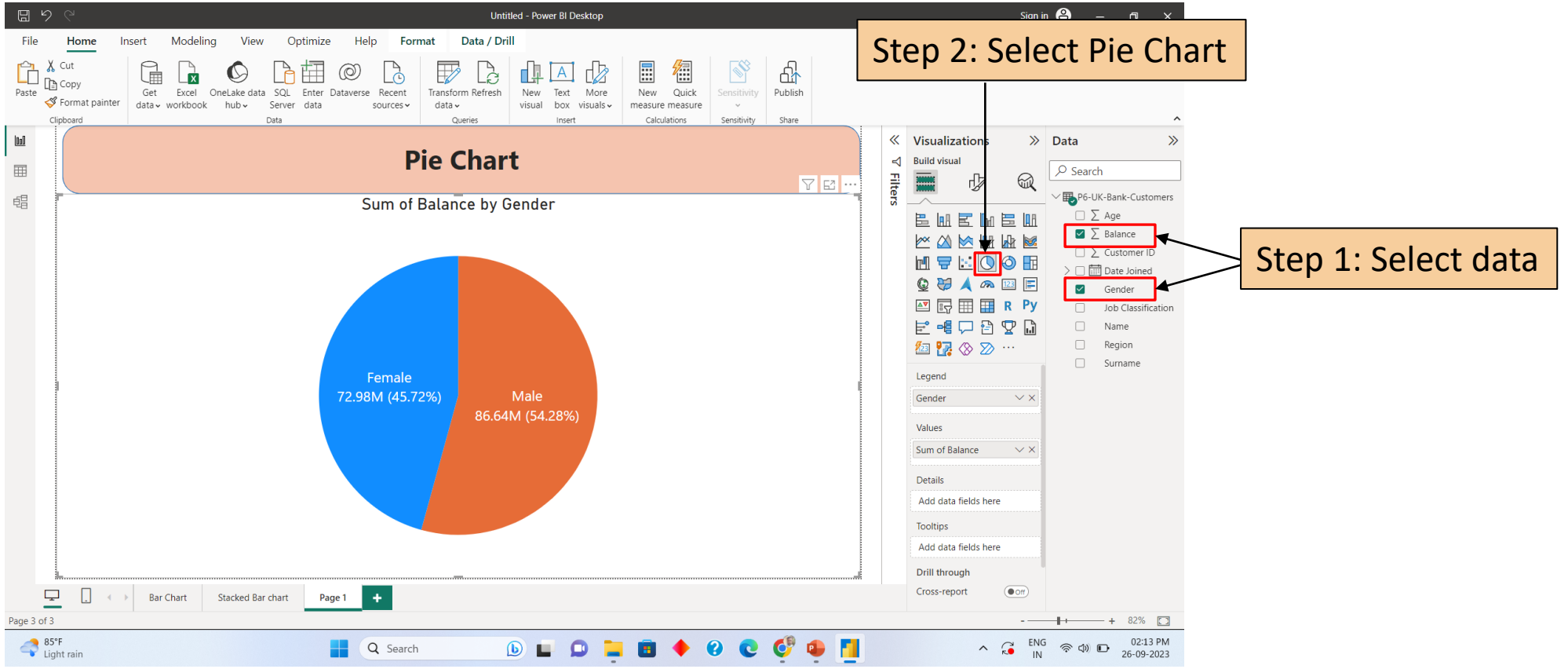
Format Visuals



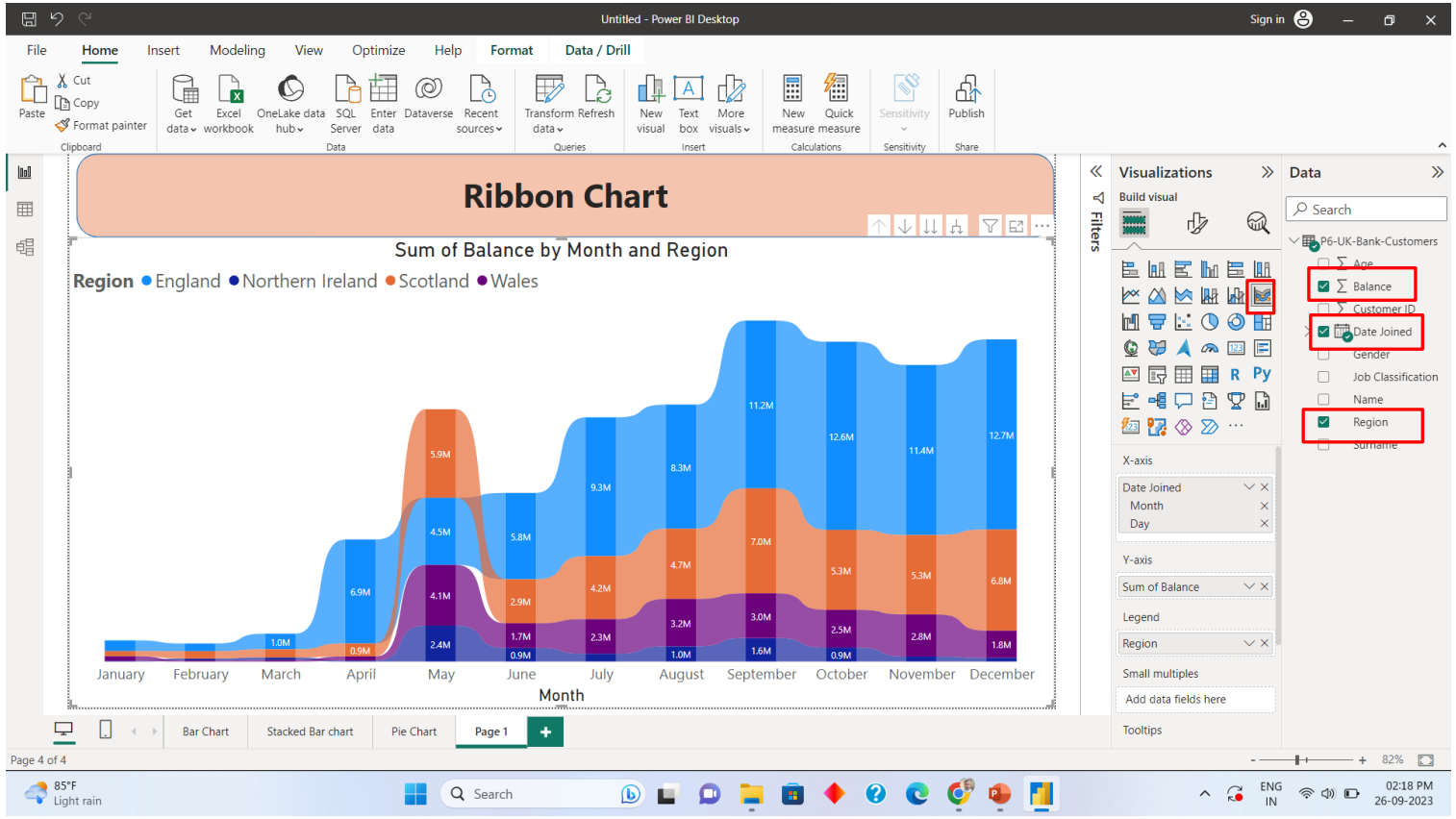
Stacked Bar Chart



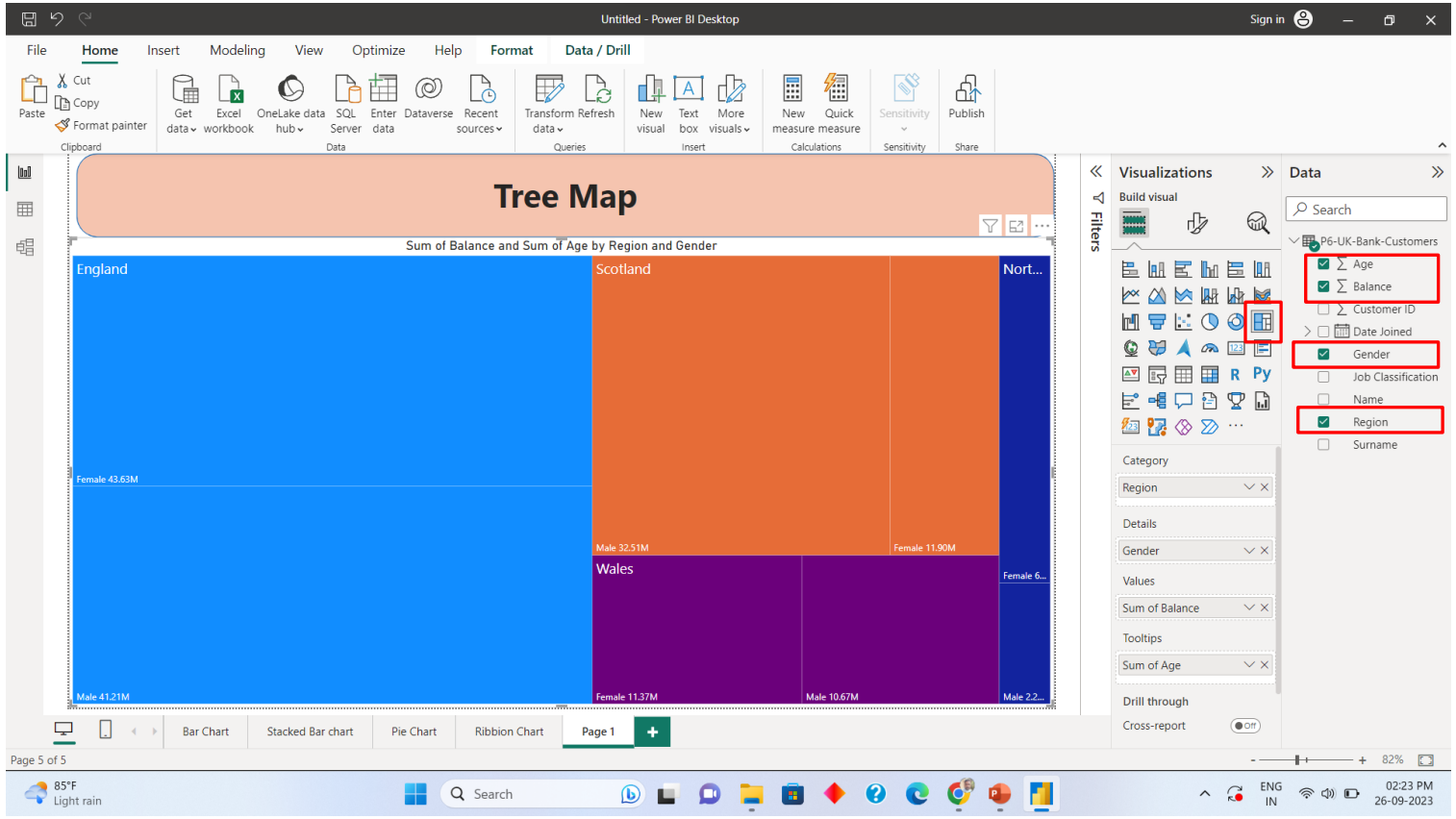
Pie Chart


Untitled - Power BI Desktop
Step 2: Select Pie Chart
Step 1: Select data
Pie Chart
Sum of Balance by Gender
Female
72.98M (45.72%)
Male
86.64M (54.28%)
Visualizations
Build visual
Data
Search
P6-UK-Bank-Customers
Age
Balance
Customer ID
Date Joined
Gender
Job Classification
Name
Region
Surname
Legend
Gender
Values
Sum of Balance
Details
Add data fields here
Tooltips
Add data fields here
Drill through
Cross-report
Filters
Bar Chart
Stacked Bar chart
Page 1
Page 3 of 3
82%
85°F
Light rain
Search
ENG
IN
02:13 PM
26-09-2023

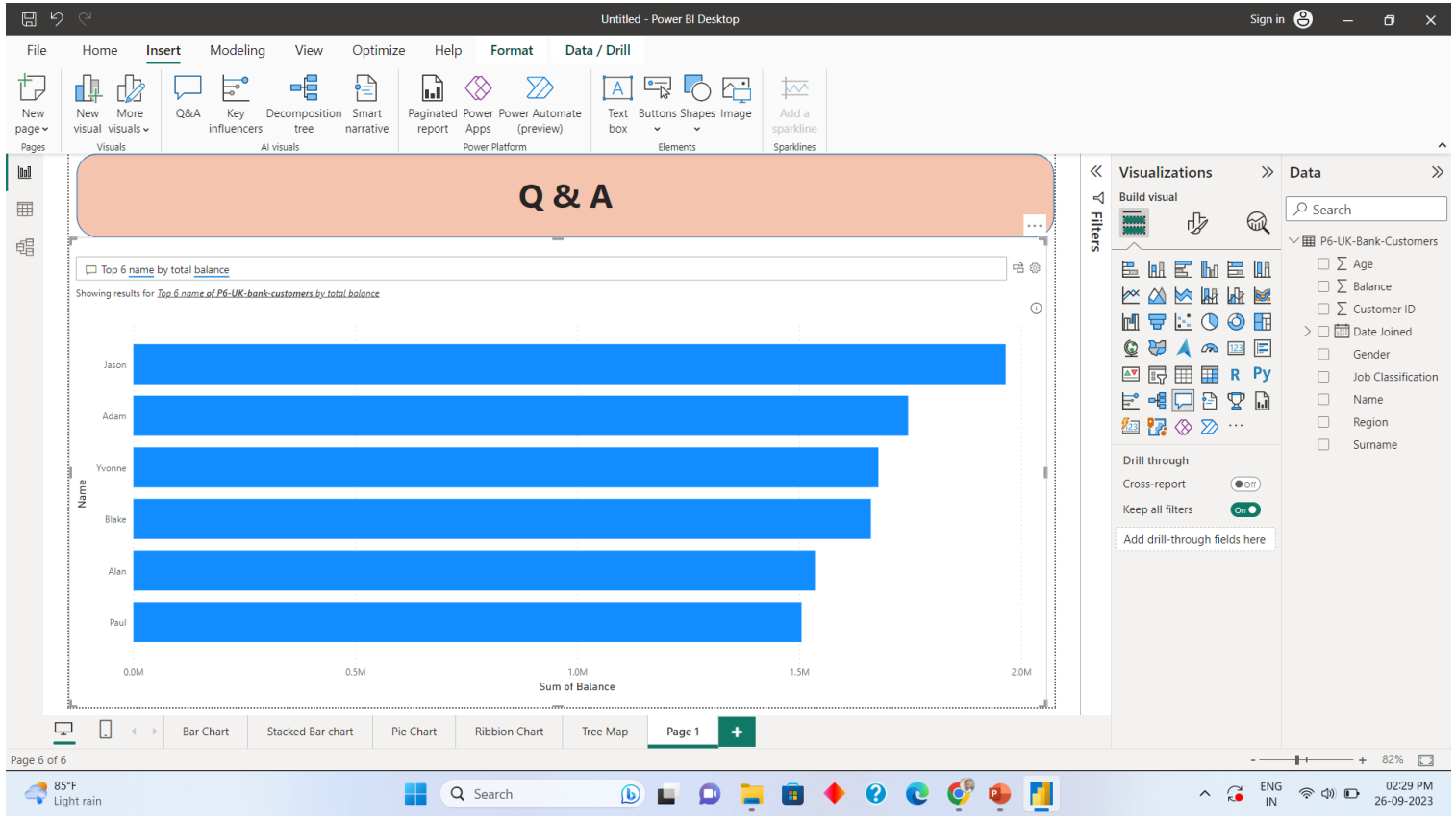
Ribbon Chart (Requires at least 1 date column)



Tree Map

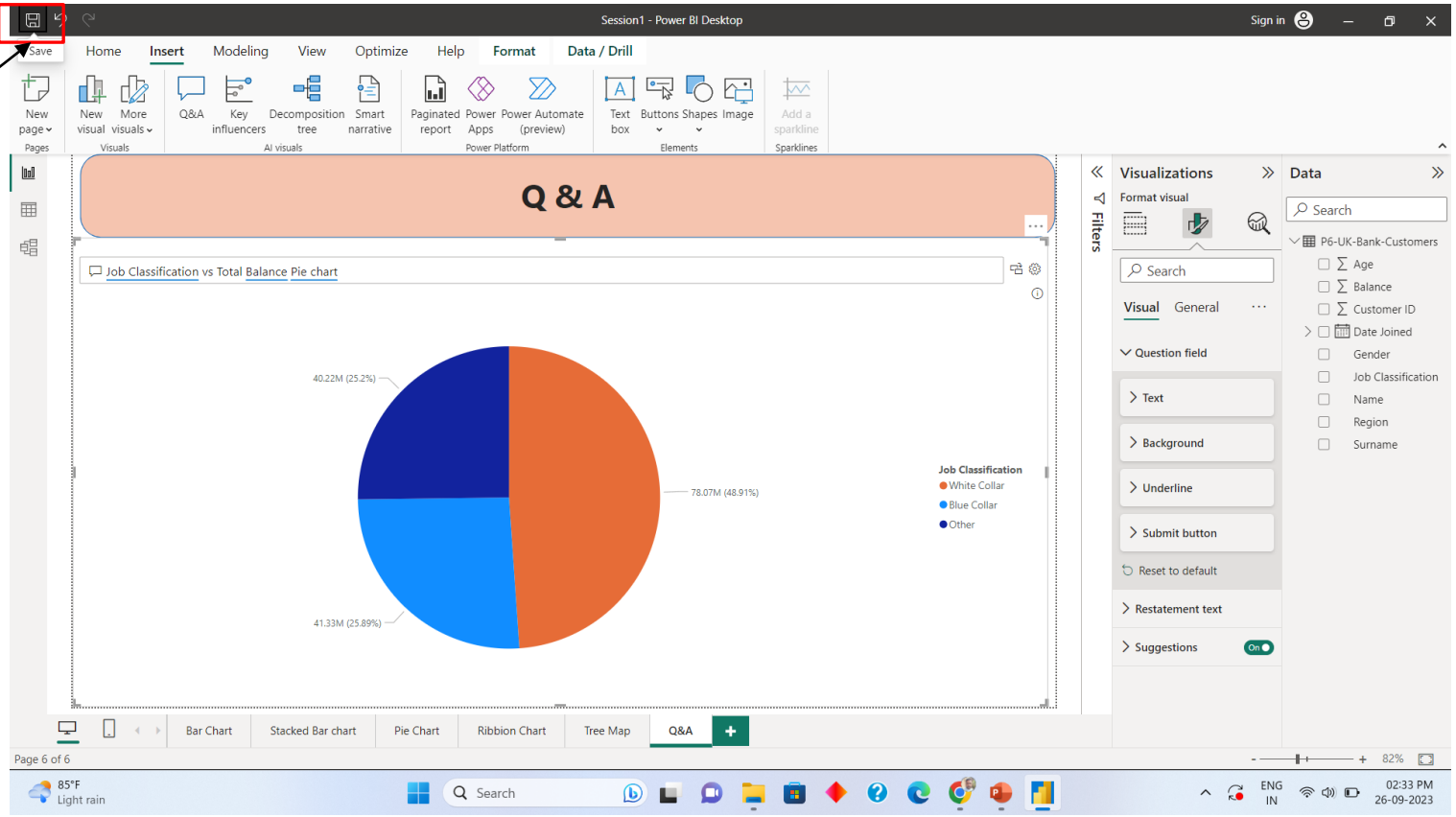

Untitled - Power BI Desktop
Tree Map
Sum of Balance and Sum of Age by Region and Gender
England
Female 43.63M
Male 41.21M
Scotland
Male 32.51M
Female 11.90M
Wales
Female 11.37M
Male 10.67M
Nort...
Female 6...
Male 2.2...
Visualizations
Build visual
Data
Search
P6-UK-Bank-Customers
Age
Balance
Customer ID
Date Joined
Gender
Job Classification
Name
Region
Surname
Category
Region
Details
Gender
Values
Sum of Balance
Tooltips
Sum of Age
Drill through
Cross-report
Bar Chart
Stacked Bar chart
Pie Chart
Ribbion Chart
Page 1
Page 5 of 5

Q&A


Untitled - Power BI Desktop
Sign in
File
Home
Insert
Modeling
View
Optimize
Help
Format
Data / Drill
New page
New visual
More visuals
Q&A
Key influencers
Decomposition tree
Smart narrative
Paginated report
Power Apps
Power Automate (preview)
Text box
Buttons
Shapes
Image
Add a sparkline
Pages
Visuals
AI visuals
Power Platform
Elements
Sparklines
Q & A
Top 6 name by total balance
Showing results for Top 6 name of P6-UK-bank-customers by total balance
Jason
Adam
Yvonne
Blake
Alan
Paul
Name
0.0M
0.5M
1.0M
1.5M
2.0M
Sum of Balance
Filters
Visualizations
Build visual
Drill through
Cross-report
Off
Keep all filters
On
Add drill-through fields here
Data
Search
P6-UK-Bank-Customers
Age
Balance
Customer ID
Date Joined
Gender
Job Classification
Name
Region
Surname
Bar Chart
Stacked Bar chart
Pie Chart
Ribbion Chart
Tree Map
Page 1
Page 6 of 6
82%
85°F
Light rain
Search
ENG
IN
02:29 PM
26-09-2023

Saving Power BI files (.pbix)

Save Button



Thank you

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