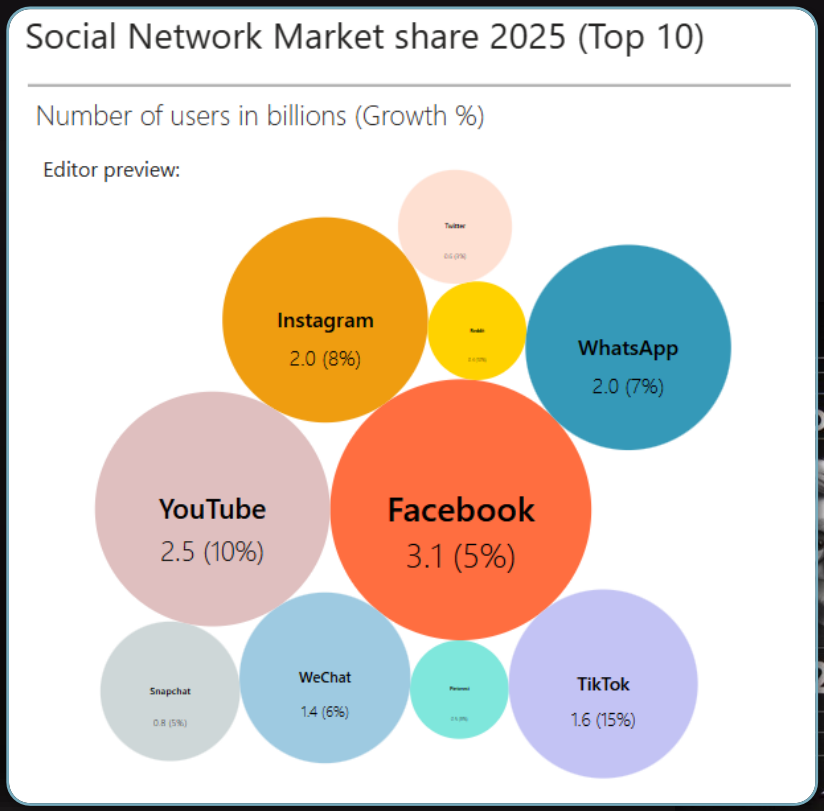
Start with PowerBI

"From Rookie to Rock"

Step by step

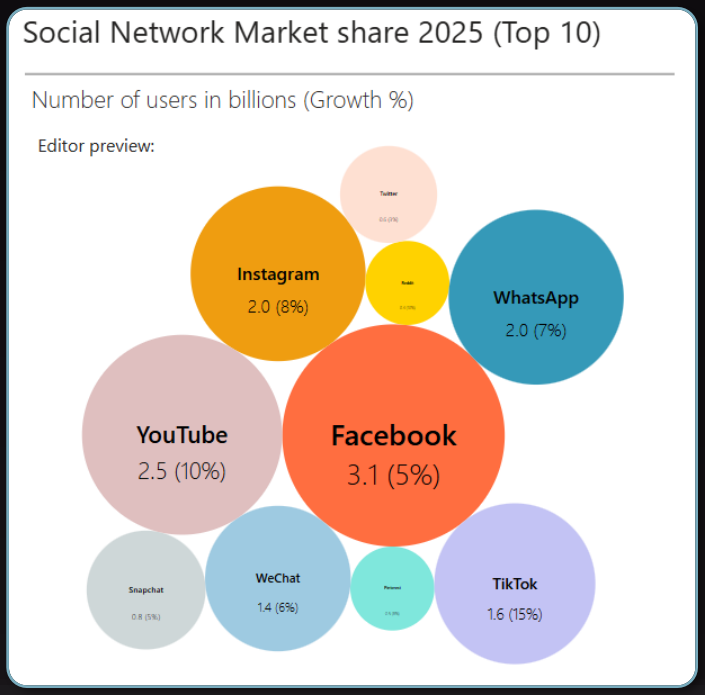
Bubble Chart (with Charticulator)



Patou Tips #38

About the project...

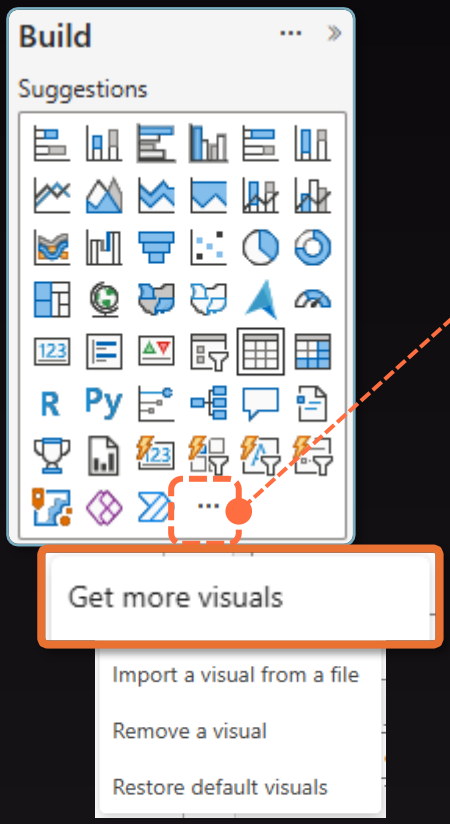
Charticulator is really a great application and also a great visual application for PowerBI to create fantastic charts like in Statista. Here's a really easy chart to build but great for good storytelling.



Resources free on GitHub

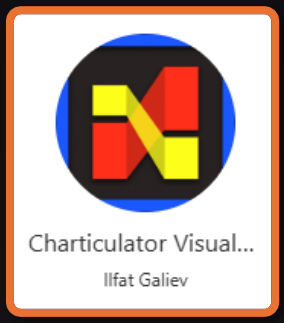
1 Download Charticulator PowerBI Visual App

Download the Charticulatar Visual app for PowerBI



1 Choose "Get more visuals" on the "App source""

2 Download "Charticulator Visual Community (Editor) by Ilfat Galiev



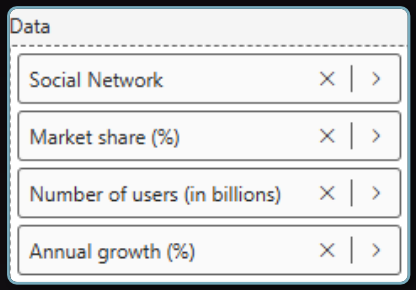
2 Create Bubble Chart

Start a chart…

1

Choose "Charticulator" on the build pane.

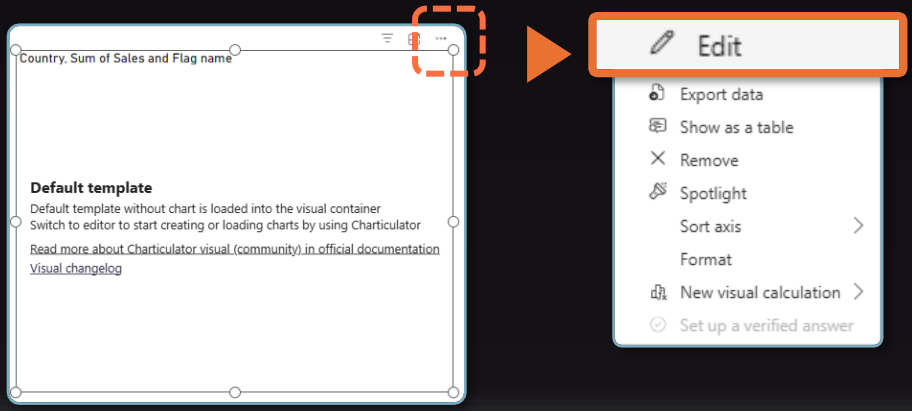
2



Drag and drop the data fields for the chart in the data from the "Build Pane". Note: I rename fields to delete "sum"

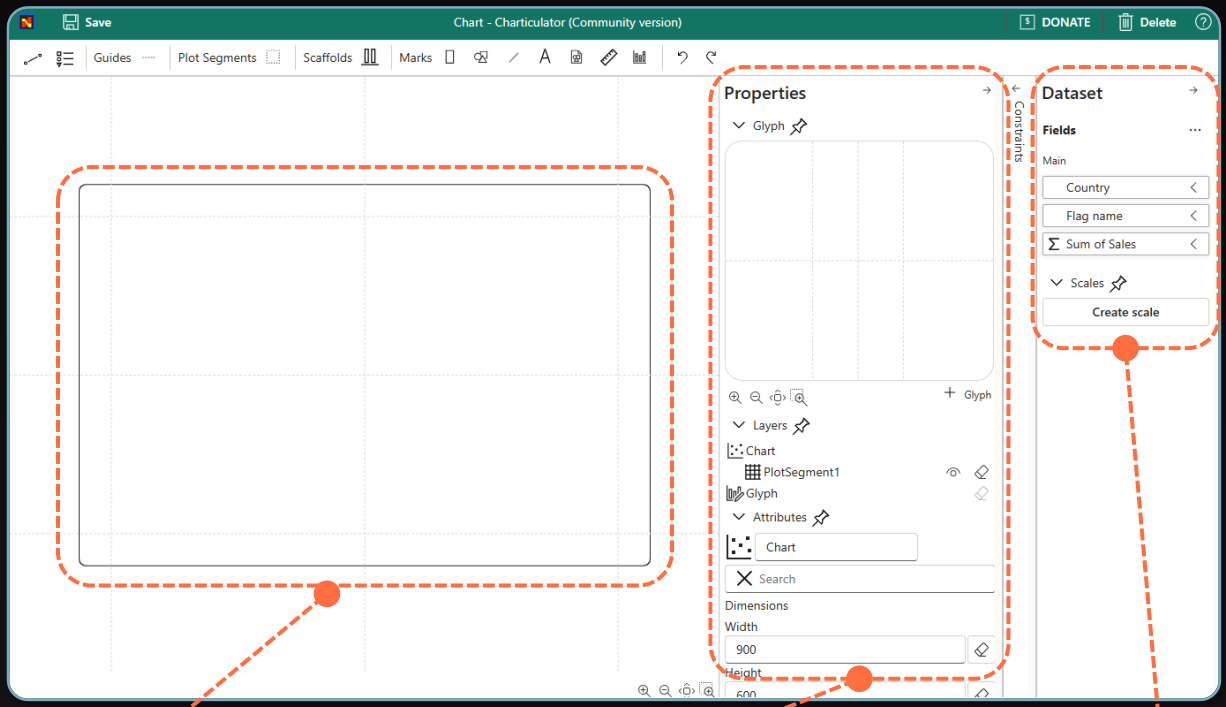
3

A window appear, in the top right corner click on the "…" and choose "Edit" to launch "Charticulator"



2 Create Bubble Chart
About Charticulator screen

It looks a bit like a PowerBI screen, really pratic!



Result screen, all the transformations appear here

Properties and Glyphs Panel, this is the graphics generator

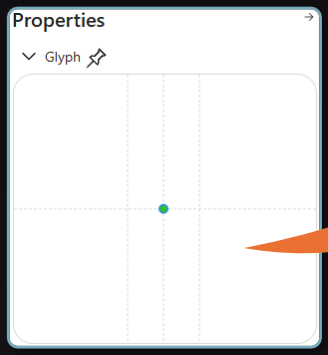
Dataset pane, data selected in PowerBI appear here

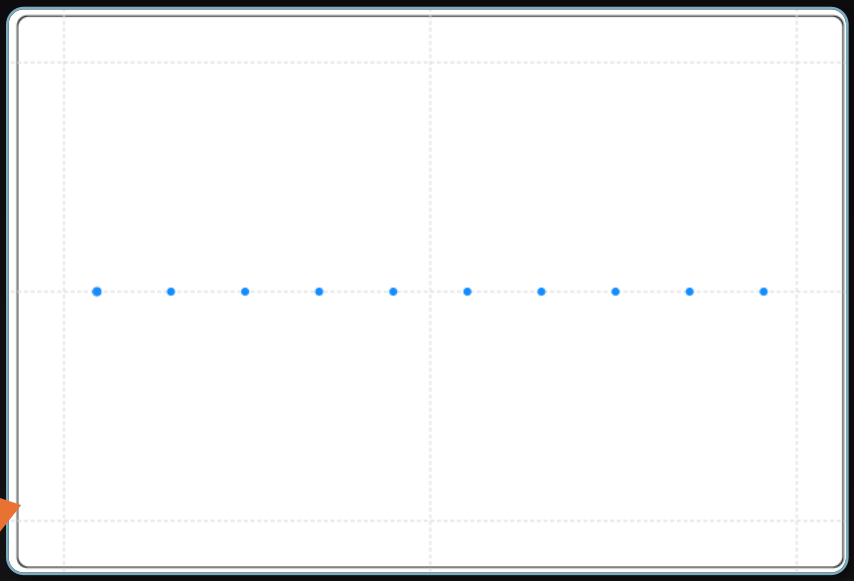
Start with PowerBI

"From Rookie to Rock"

2 Create Bubble Chart
Main form

Select the "Symbol" menu, and draw a shape in the middle of the Glyph window from the Properties pane



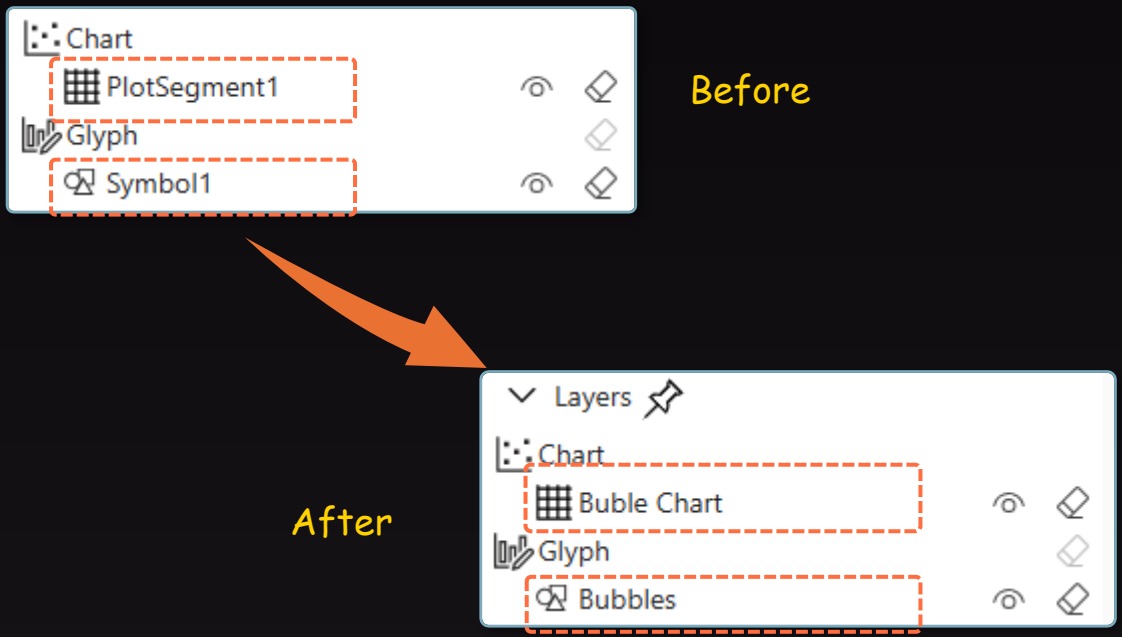


Result

Note: There are 10 "Bubbles" because there are 10 social networks

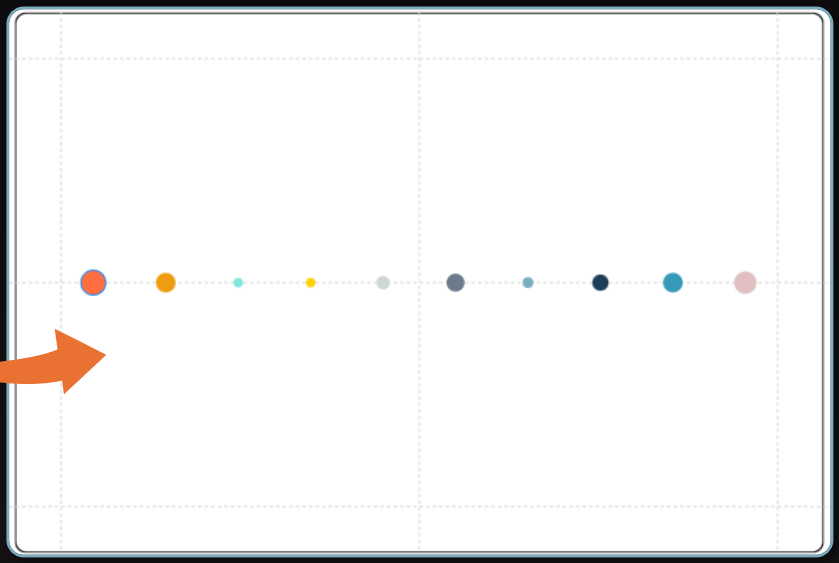
2 Create Bubble Chart
Rename created objets

Rename the created object, "Graphic" and "Main Form" for clarity in building the project



2 Create Bubble Chart
Proportion of the Bubbles

Drag and drop the fields "Market share" from the "dataset pane" in the field "Size" in the attributes part of the field "Bubbles", and "Social Network" in "Fill".



Result: now the "Bubbles" have the proportion of the data provided

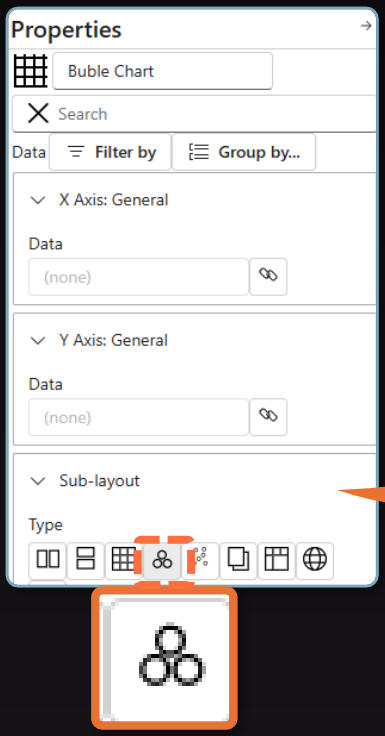
Note for colors: In the practice folder, load the theme json, to get the same color as I created

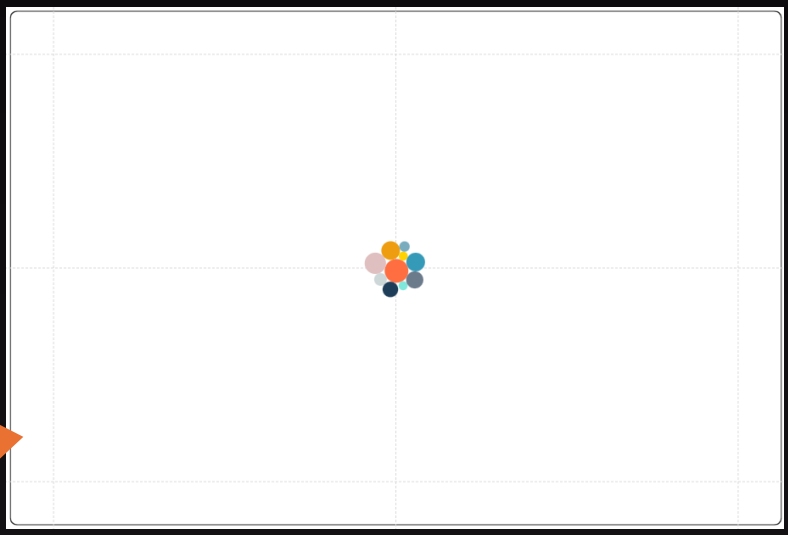
Start with PowerBI

"From Rookie to Rock"

2 Create Bubble Chart
Pack Bubbles

In the "Type" of the "Sub-layout" attributes of the "Bubble Chart", choose "Packing"

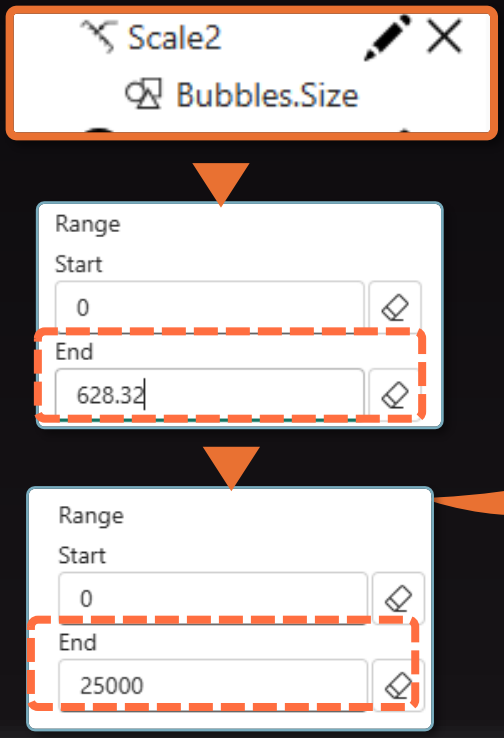


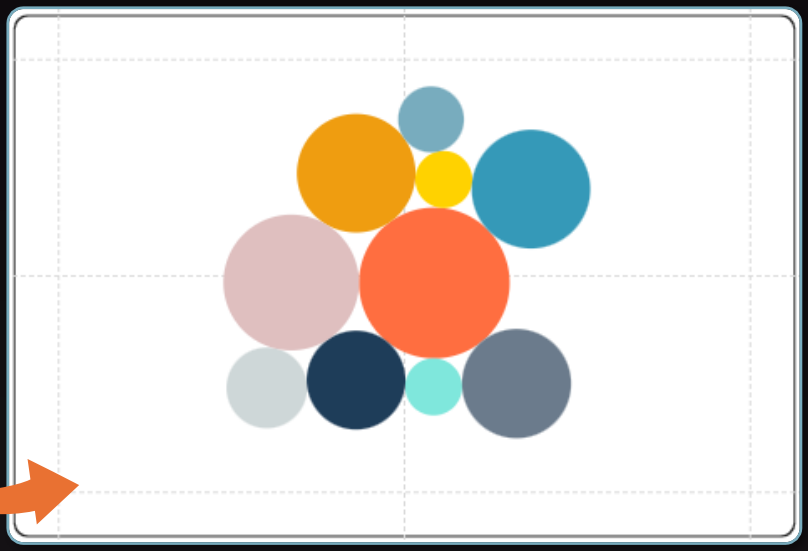


Result, the Bubbles are packed

2 Create Bubble Chart
Adjust size of Bubbles

Select to modify properties of "Bubbles size" in the Dataset pane, a Pop-Up appear and adjust "End" value in the Range attributes.

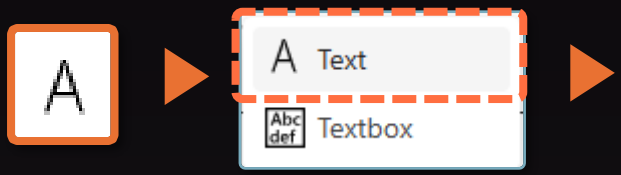


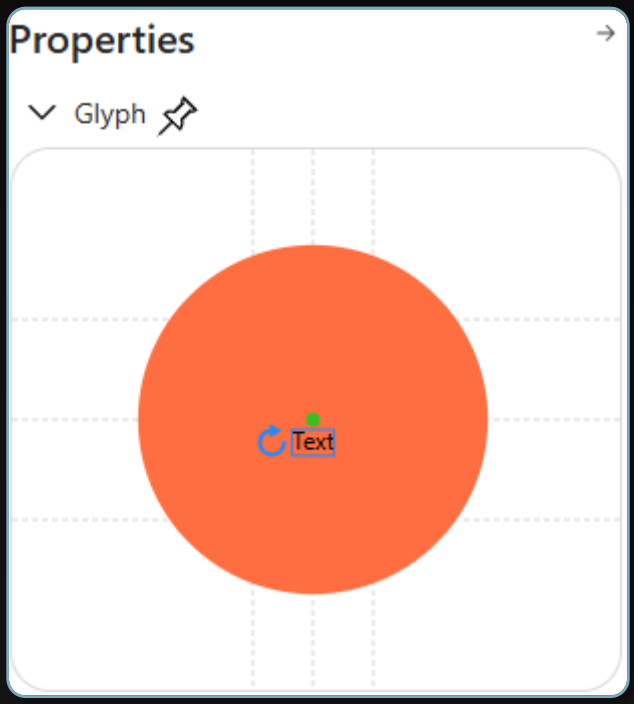


Result, the Bubbles are bigger

2 Create Bubble Chart
Add "Social Network Label" (1/3)

From the "Text" menu, choose "Text" and draw a shape in the Glyph window from the Properties pane

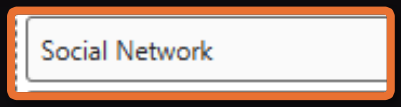




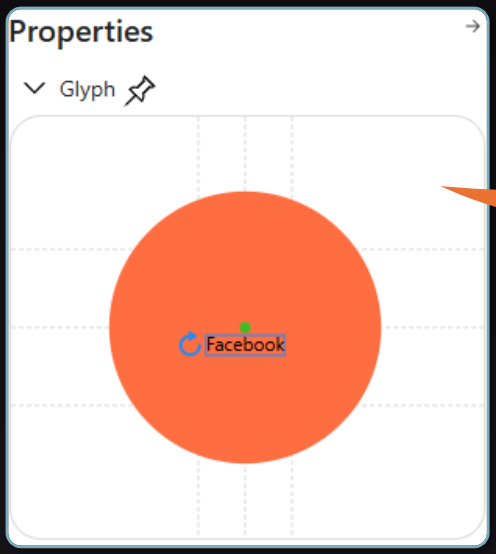
The green dot is very important and is the anchor of your text.

2 Create Bubble Chart
Add "Country Label" (2/3)

Drag and drop th field "Social Network" from the dataset pane into the "text label" into the "Glyph window"



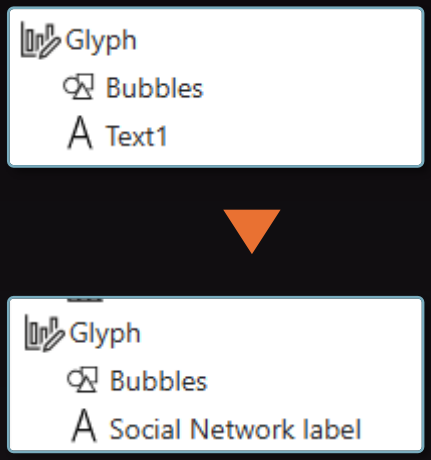
Drag and drop



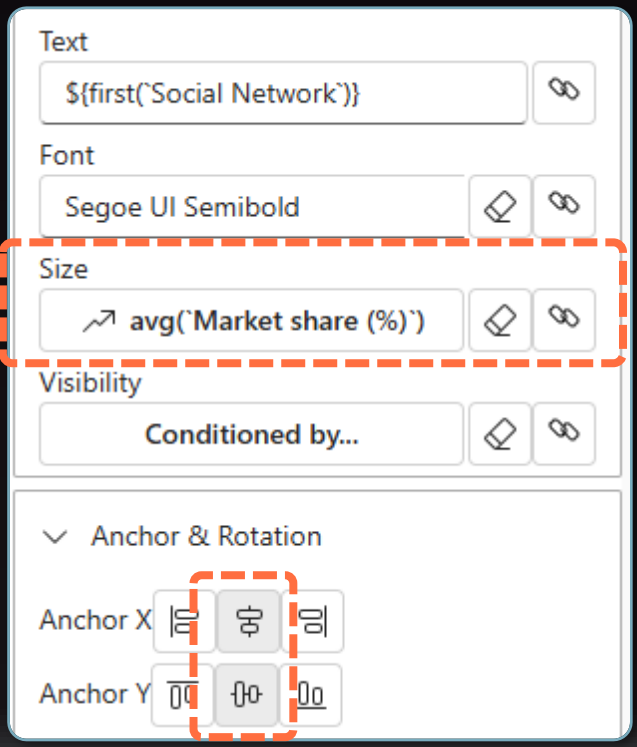
Result, "Social Network" label appear into the Bubble Chart

2 Create Bubble Chart
Add "Country Label" (3/3)

Rename the created object, for clarity in building the project



Change the settings in the attributes of the "Social Network label". Drag and drop the fiel "Market Share" in the Size parameter.

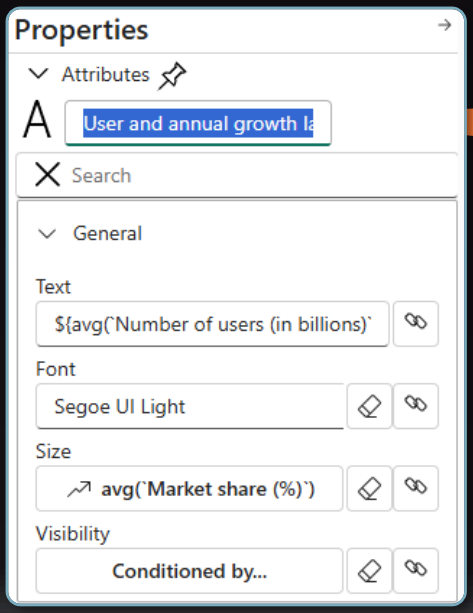


2 Create Bubble Chart
Add "User and annual growth label"

Repeat the same action as for "User and annual growth label"

→ Note in the Text parameter, wrote the code below to aggregate 2 informations, Number of users" and "Annual growth".

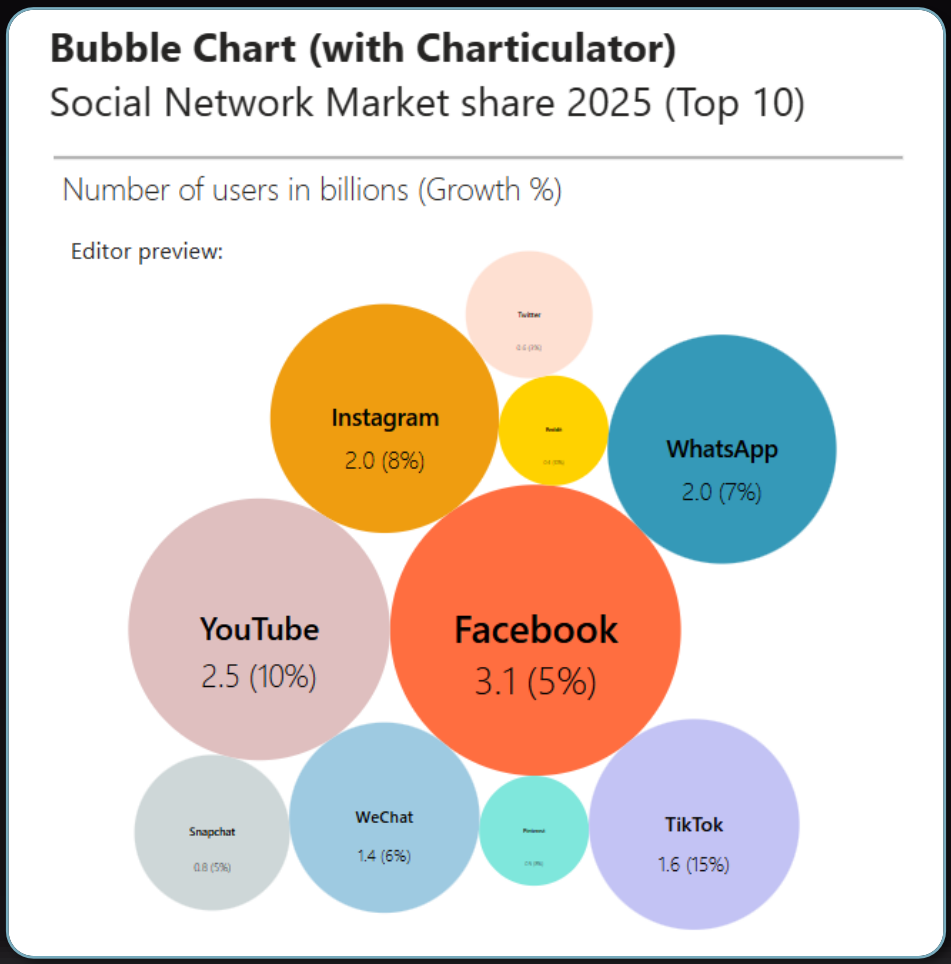
→ Code: ${avg(` Number of users (in billions)`)}{.1f} (${avg(` Annual growth (%)`)}%)



Result, "Sales value" label appear into the Radial Bar Chart

2

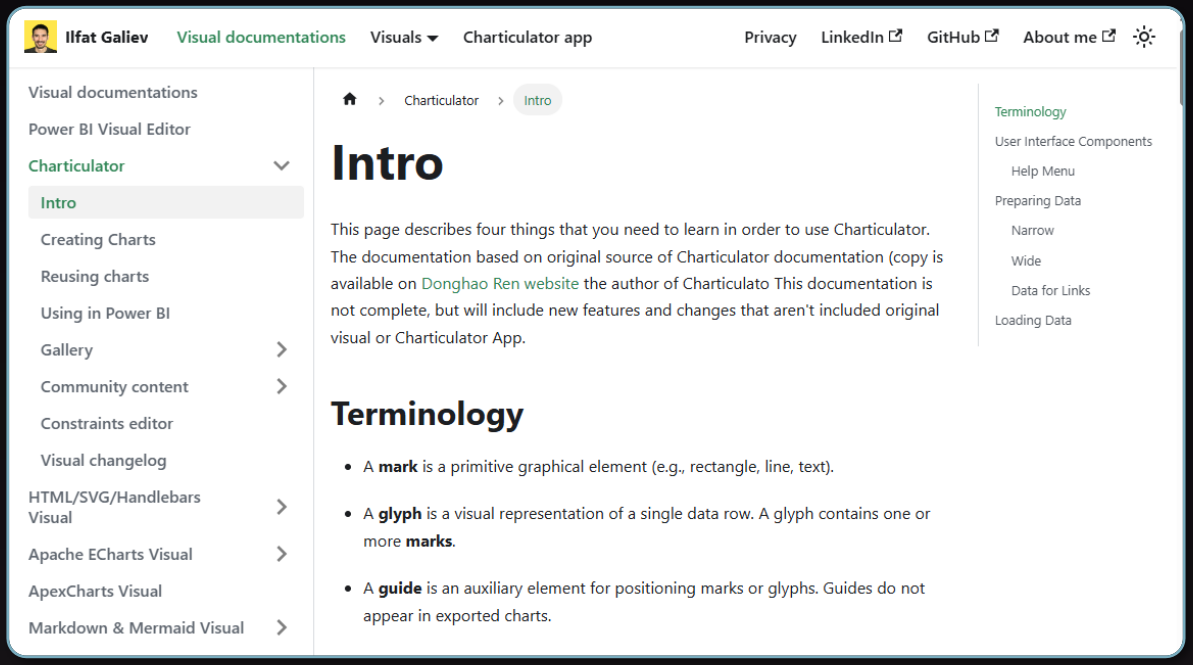
Create Bubble Chart
That's all folks!



3

Charticulator
To go further…

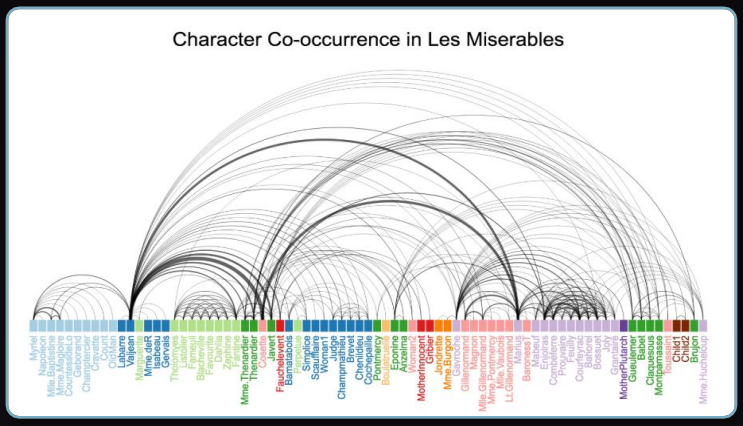
Read more about Charticulator visual (community) in official documentation.

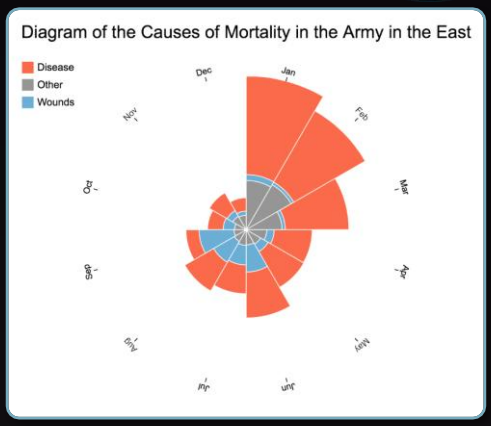


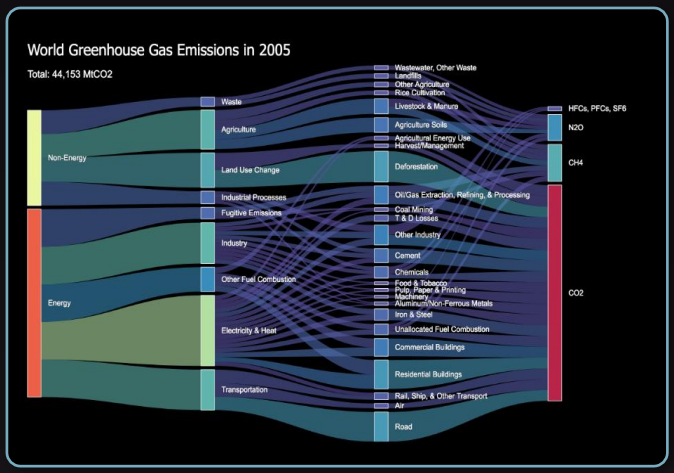
https://ilfat-galiev.im/docs/charticulator/intro/

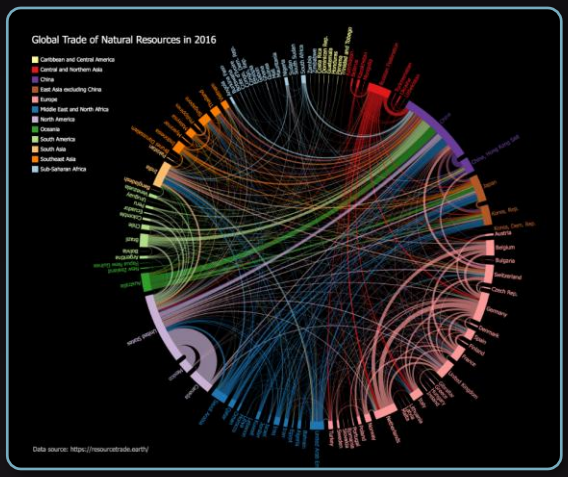
3

Charticulator
To go further…









https://ilfat-galiev.im/docs/charticulator/intro/

Start with PowerBI

"From Rookie to Rock"

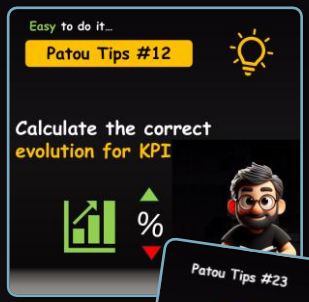
Learn and practice

On the same theme, to go further

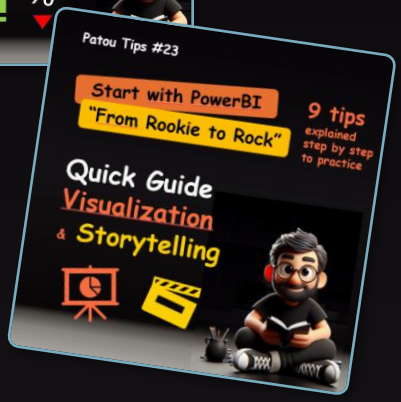
Patou Tips #5
Create a Customized Chart (for income statement)

Patou Tips #6
Create Customized Icon

Patou Tips #7
Create an Age Pyramid Chart (for Human Ressources)



Patou Tips #12
Calculate right evolution for KPI

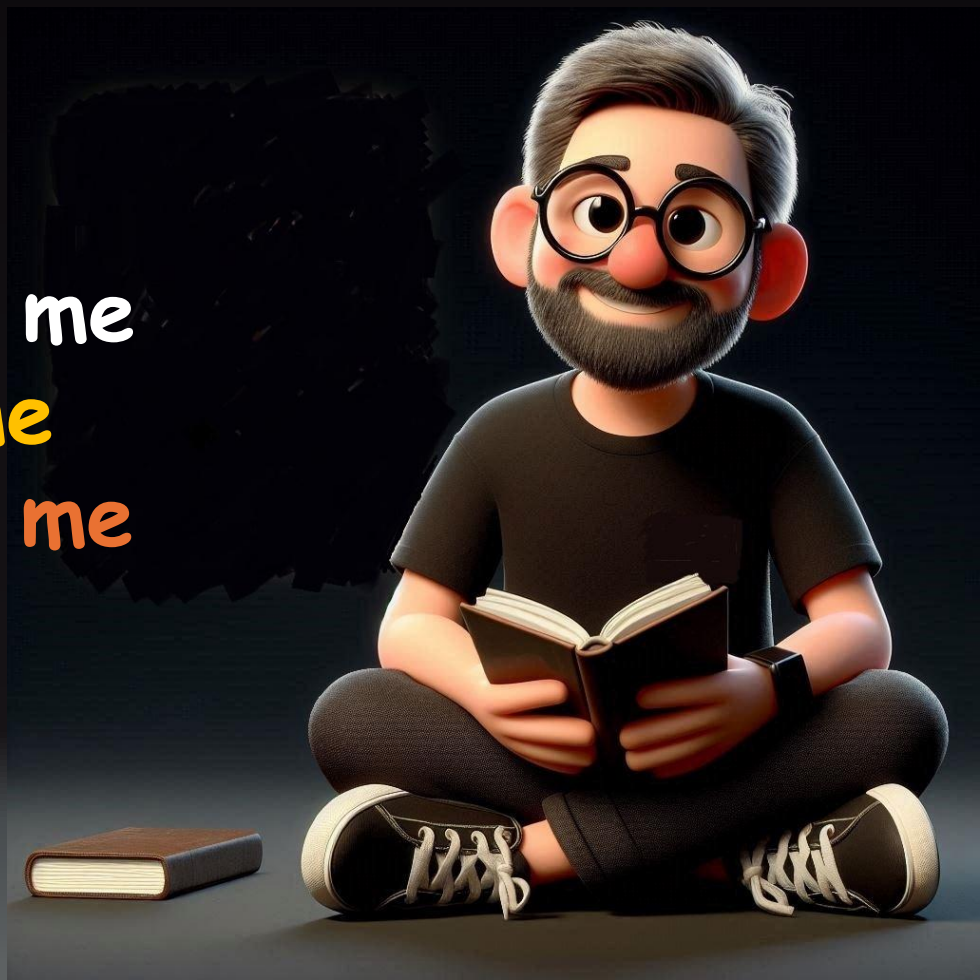


Patou Tips #23
Quick Guide Visualization & Storytelling

Resources on GitHub
https://github.com/PatouTips/Patou-Tips

Don’t forget!
This isn't the truth, it's just my truth!

Patou Tips



Follow me
Like me
Share me