

Start with PowerBI

"From Rookie to Rock"



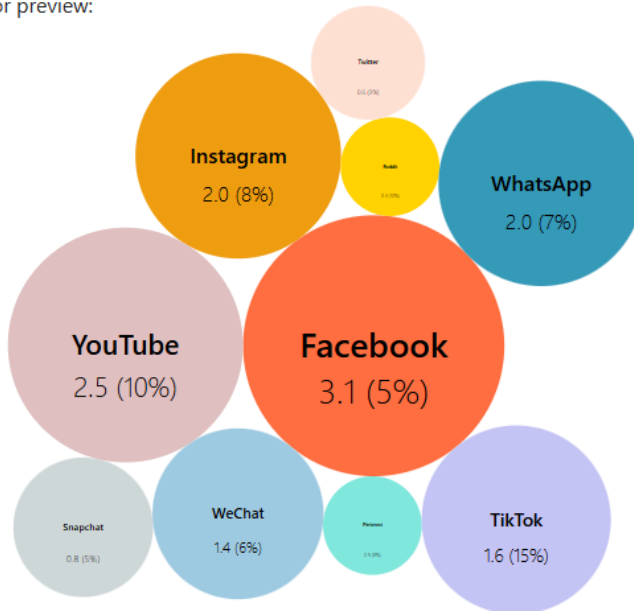
Step by step

## Bubble Chart (with Charticulator)

Social Network Market share 2025 (Top 10)

Number of users in billions (Growth %)

Editor preview:



Patou Tips #38



# About the project...

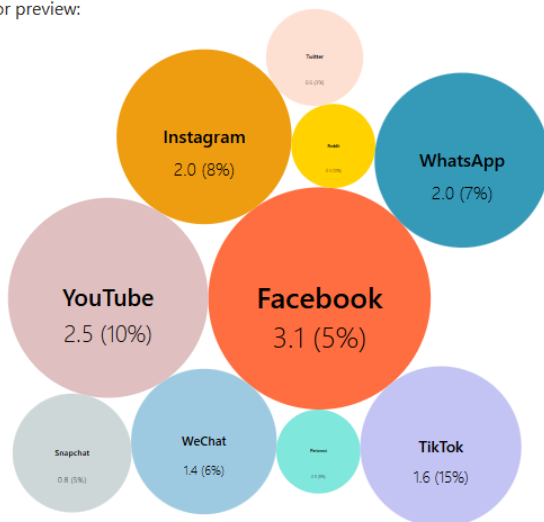


Charticulator is really a great application and also a great visual application for PowerBI to create fantastic charts like in Statista. Here's a really easy chart to build but great for good storytelling.

## Social Network Market share 2025 (Top 10)

Number of users in billions (Growth %)

Editor preview:



Resources free on  
GitHub

Start with PowerBI

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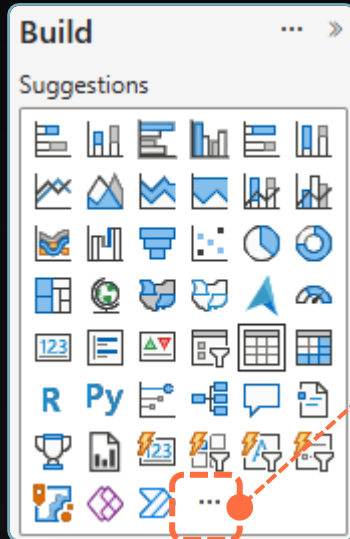
Create a Bubble Chart



1

## Download Charticator PowerBI Visual App

Download the Charticator Visual app for PowerBI

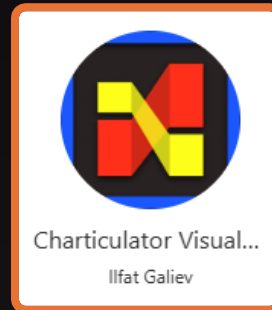


1



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

2



Download  
"Charticator  
Visual  
Community  
(Editor) by  
Ilfat Galiev

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"From Rookie to Rock"

Create a Bubble Chart

3



2

## Create Bubble Chart

### Start a chart...

1



Choose "Charticulator" on the build pane.

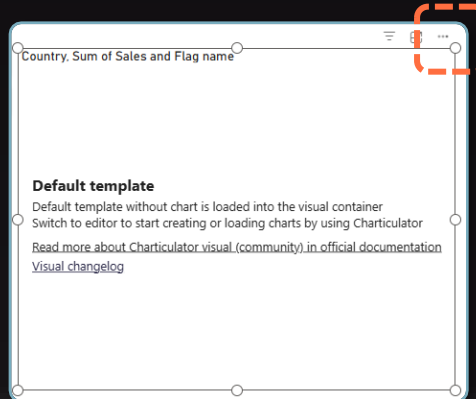
2

Data		
Social Network	×	>
Market share (%)	×	>
Number of users (in billions)	×	>
Annual growth (%)	×	>

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"



Edit

- Export data
- Show as a table
- Remove
- Spotlight
- Sort axis >
- Format
- New visual calculation >
- Set up a verified answer

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"From Rookie to Rock"

Create a Bubble Chart

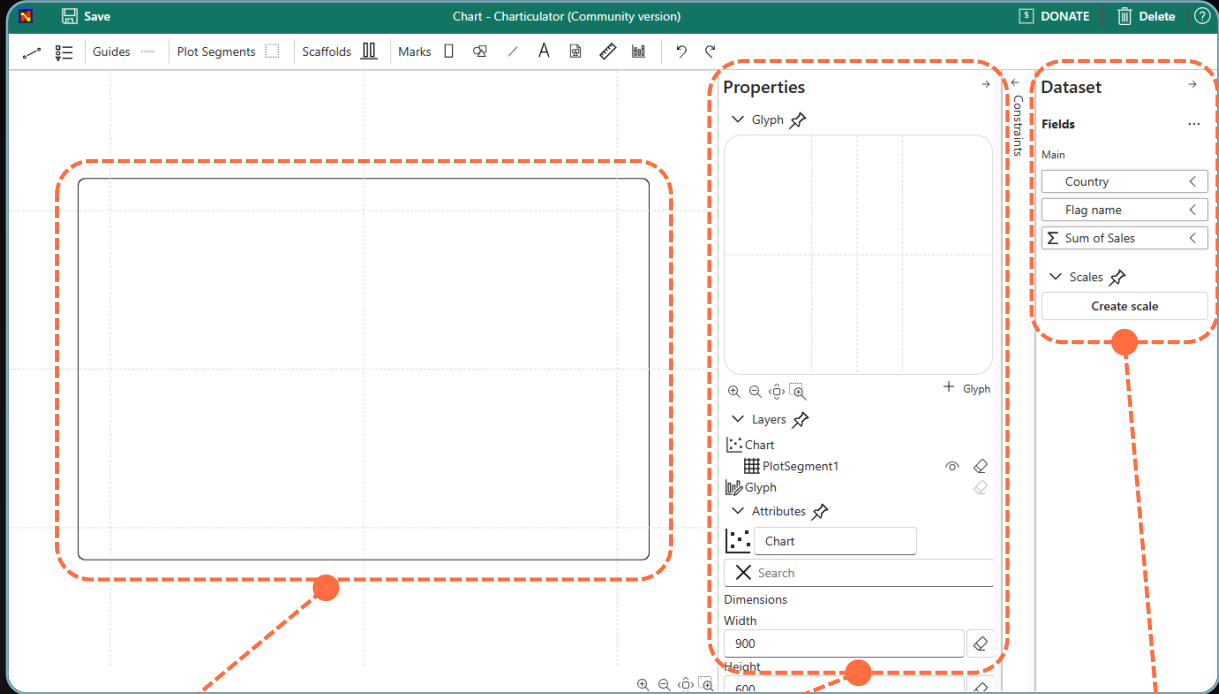
2

## 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

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Create a Bubble Chart

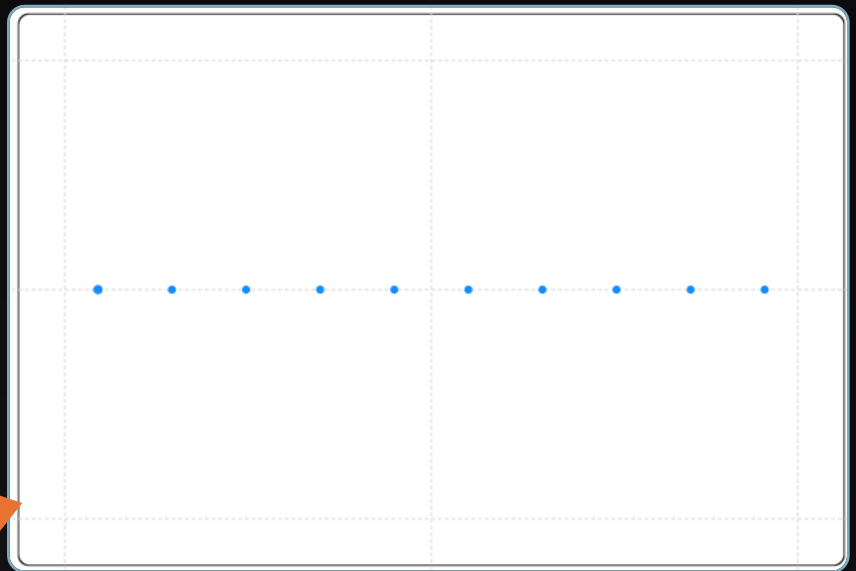
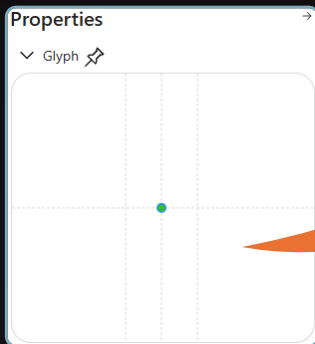
2

## 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

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Create a Bubble Chart

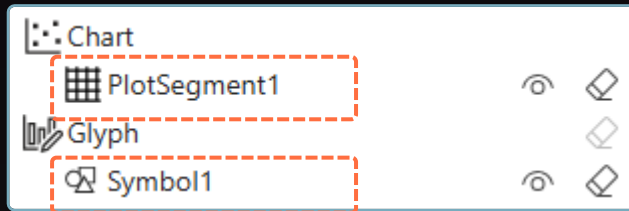


2

## Create Bubble Chart

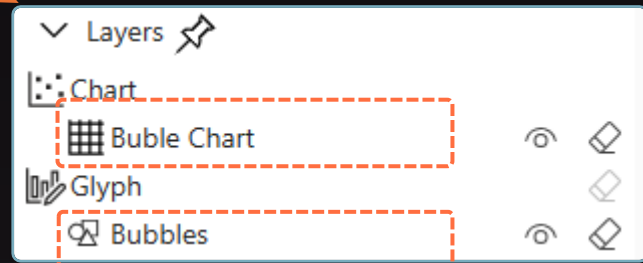
Rename created objects

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



Before

After



Start with PowerBI

"From Rookie to Rock"

Create a Bubble Chart



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".

Properties

Bubbles

Market share (%)

circle

Size

avg('Market share (%)')

Visibility

Conditioned by...

Social Network

Style

Fill

first('Social Network')

Stroke

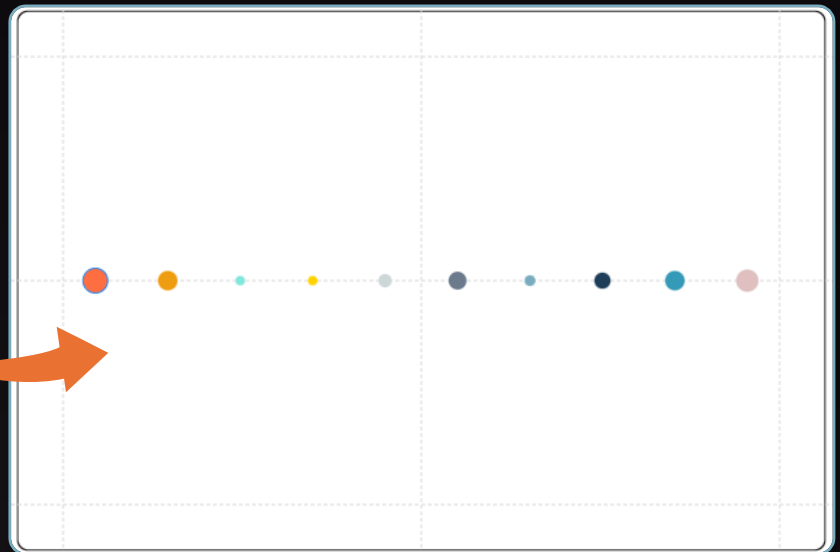
(none)

Opacity

1

Drag and drop

Drag and drop



**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

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Create a Bubble Chart

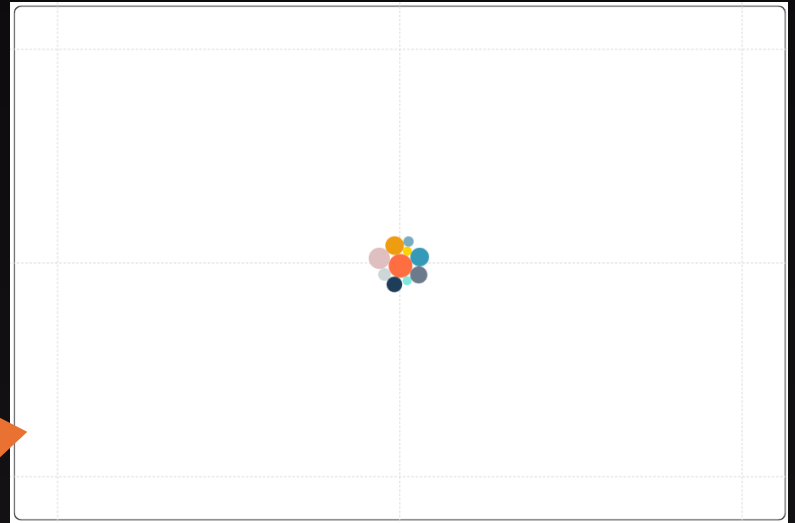
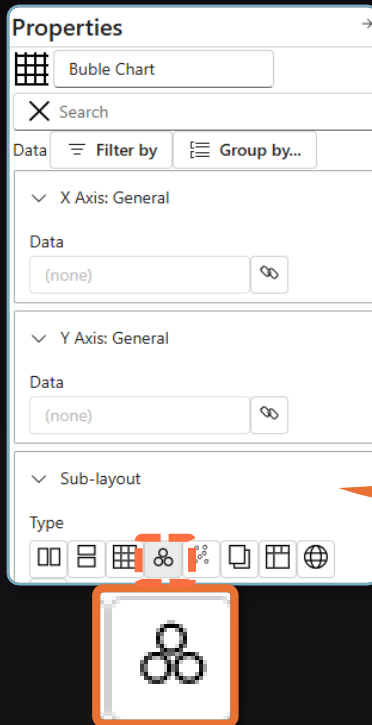


2

## Create Bubble Chart Pack Bubbles



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



Result, the Bubbles are packed

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Create a bar chart in IBCS style

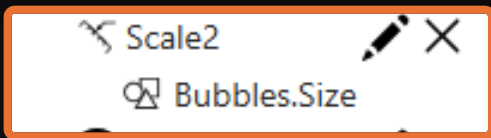


2

## 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.



Range

Start

0

End

628.32

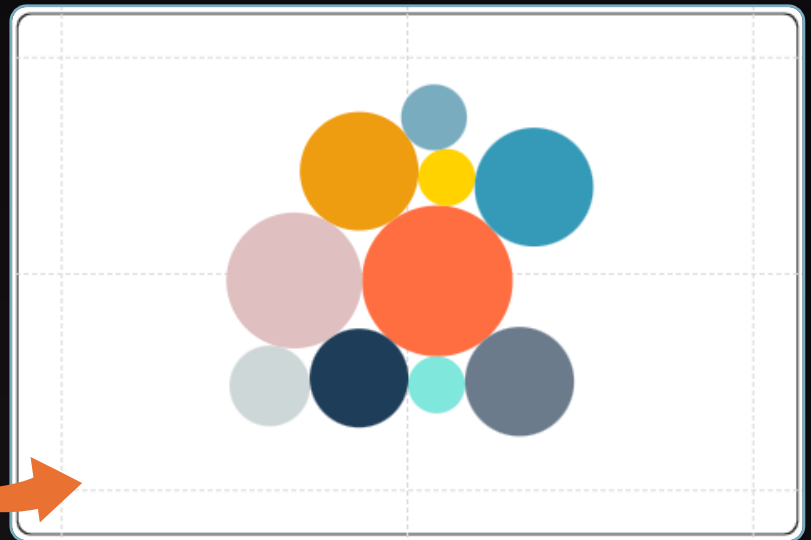
Range

Start

0

End

25000



Result, the Bubbles are bigger

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Create a Bubble Chart

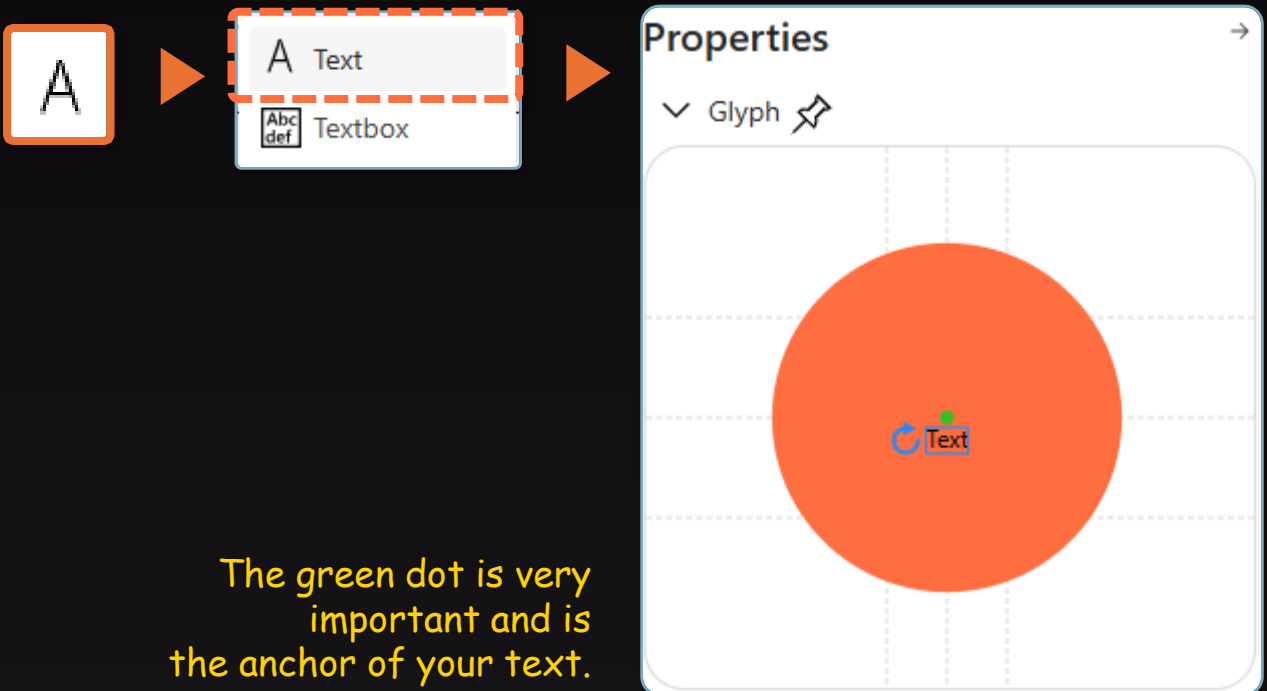


2

## 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.

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Create a Bubble Chart

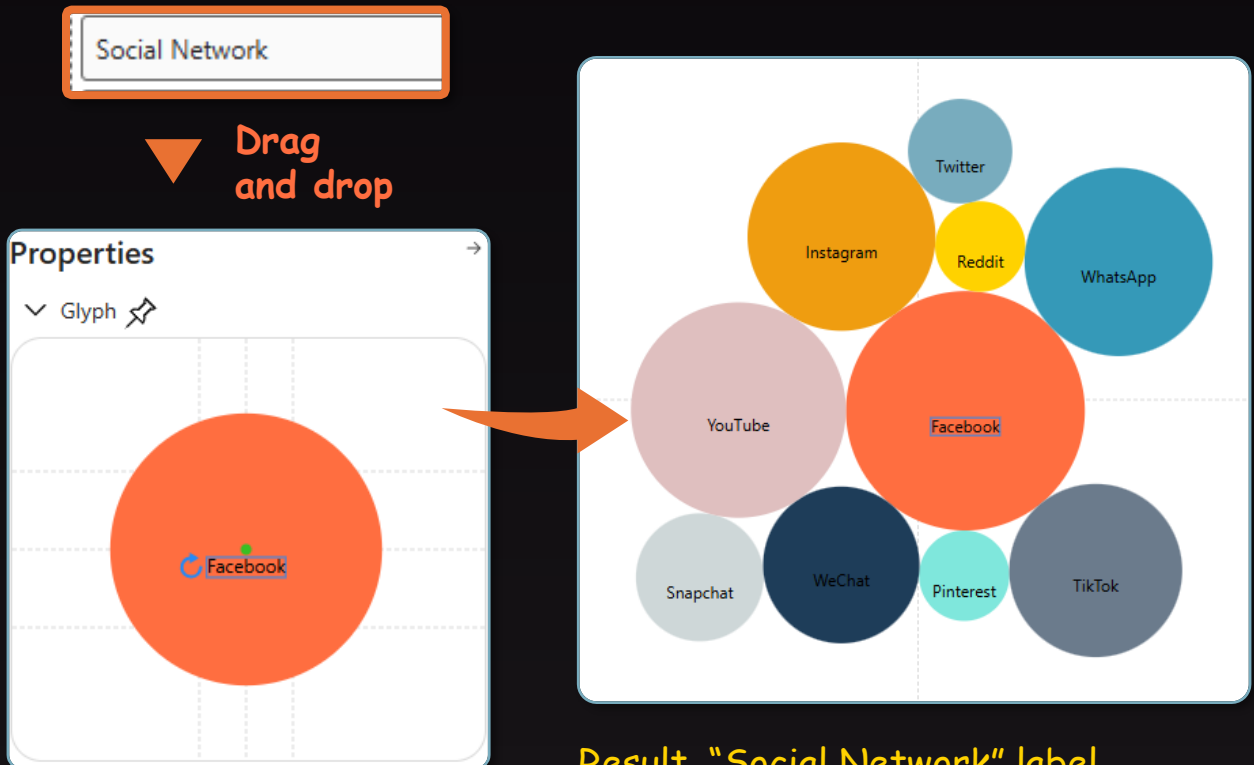
2

## Create Bubble Chart

### Add "Country Label" (2/3)



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



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

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"From Rookie to Rock"

Create a Bubble Chart

2

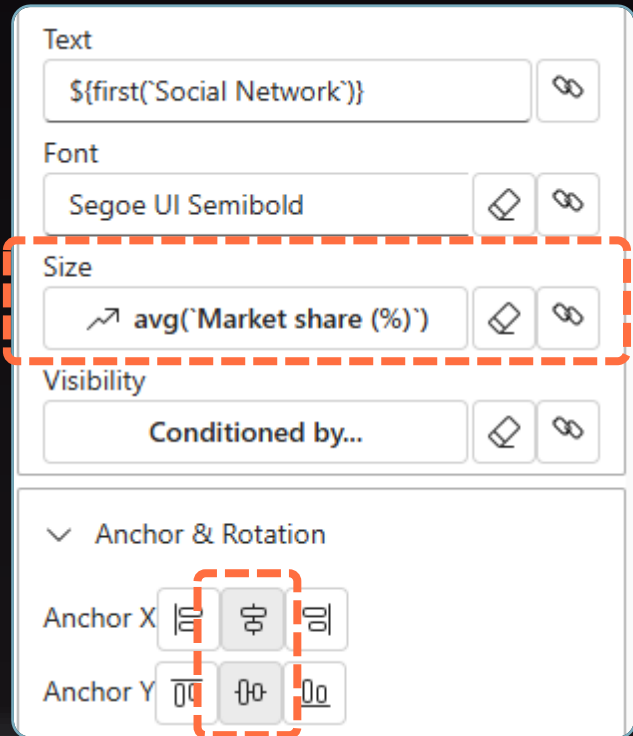
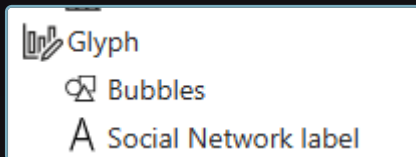
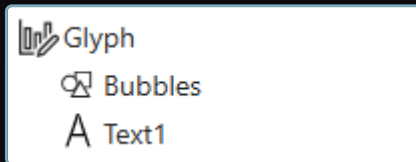
## Create Bubble Chart

### 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 field "Market Share" in the Size parameter.



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Create a Bubble Chart

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:  $\text{\$}\{\text{avg}(\text{'Number of users (in billions)'}\}\{.1f\}$   
 $(\text{\$}\{\text{avg}(\text{'Annual growth (%)'}\}\{ \% \})$

**Properties**

Attributes

A User and annual growth la

Search

General

Text

$\text{\$}\{\text{avg}(\text{'Number of users (in billions)'}\}\{.1f\}$

Font

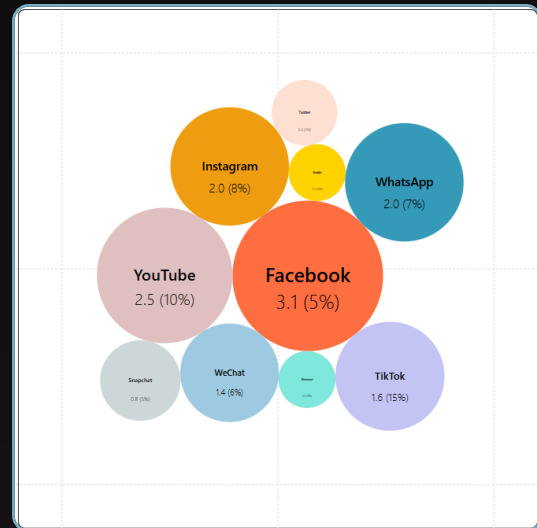
Segoe UI Light

Size

$\text{\$}\{\text{avg}(\text{'Market share (%)'}\}\{ \% \}$

Visibility

Conditioned by...



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

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Create a Bubble Chart

2

## Create Bubble Chart

That's all folks!

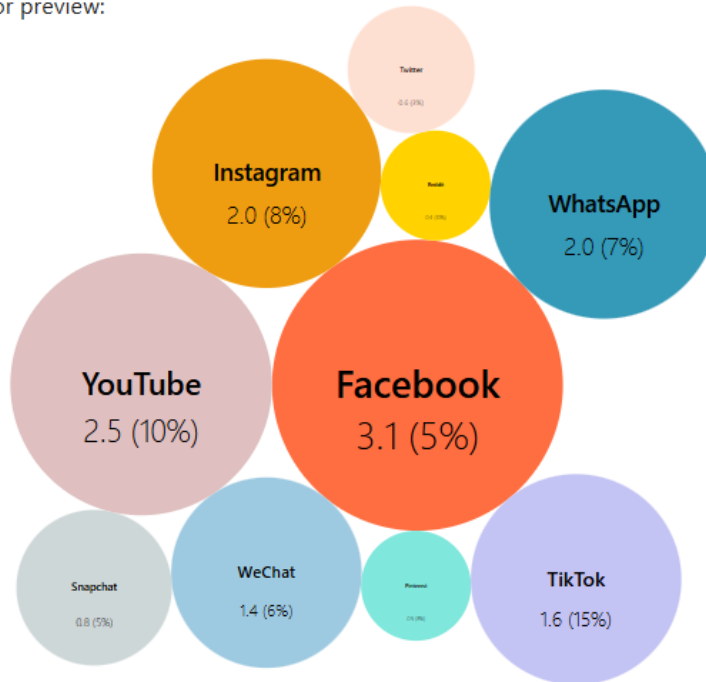


### Bubble Chart (with Charticulator)

#### Social Network Market share 2025 (Top 10)

Number of users in billions (Growth %)

Editor preview:



Start with PowerBI

"From Rookie to Rock"

Create a Bubble Chart



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

Visual documentations

Power BI Visual Editor

Charticulator

Intro

Creating Charts

Reusing charts

Using in Power BI

Gallery

Community content

Constraints editor

Visual changelog

HTML/SVG/Handlebars Visual

Apache ECharts Visual

ApexCharts Visual

Markdown & Mermaid Visual

Visual documentations

Visuals

Charticulator app

Privacy

LinkedIn

GitHub

About me

Home > Charticulator > Intro

## Intro

This page describes four things that you need to learn in order to use Charticulator. The documentation based on original source of Charticulator documentation (copy is available on [Donghao Ren website](#) the author of Charticulator) This documentation is not complete, but will include new features and changes that aren't included original visual or Charticulator App.

## Terminology

- A **mark** is a primitive graphical element (e.g., rectangle, line, text).
- A **glyph** is a visual representation of a single data row. A glyph contains one or more **marks**.
- A **guide** is an auxiliary element for positioning marks or glyphs. Guides do not appear in exported charts.

### Terminology

- User Interface Components
- Help Menu
- Preparing Data
- Narrow
- Wide
- Data for Links
- Loading Data

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



3

## Charticulator To go further...



Character Co-occurrence in Les Miserables

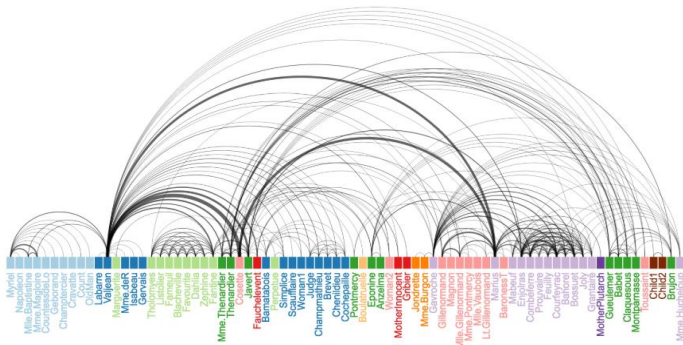
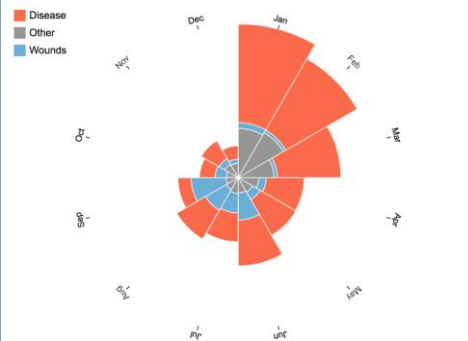
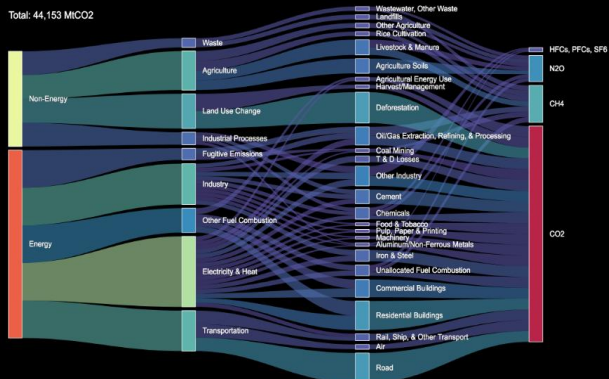


Diagram of the Causes of Mortality in the Army in the East

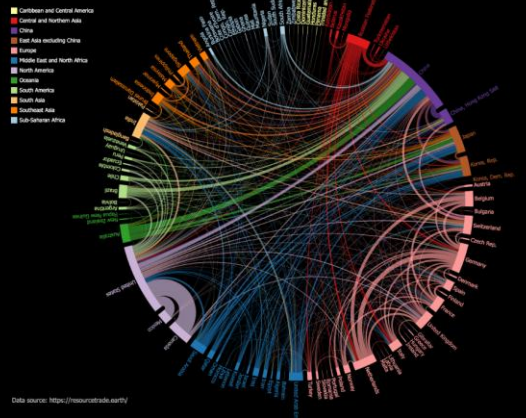


World Greenhouse Gas Emissions in 2005

Total: 44,153 MTCO2



Global Trade of Natural Resources in 2016



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

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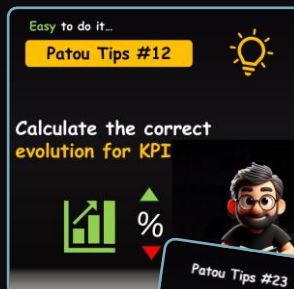
Create a Bubble Chart

# Learn and practice

## On the same theme, to go further



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



**Patou Tips #12**  
Calculate right  
evolution for  
KPI



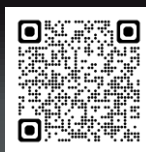
**Patou Tips #6**  
Create  
Customized Icon



**Patou Tips #23**  
Quick Guide Visualization &  
Storytelling



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



**Resources on GitHub**  
[https://github.com/Patou  
Tips/Patou-Tips](https://github.com/PatouTips/Patou-Tips)

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

## Patou Tips



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