

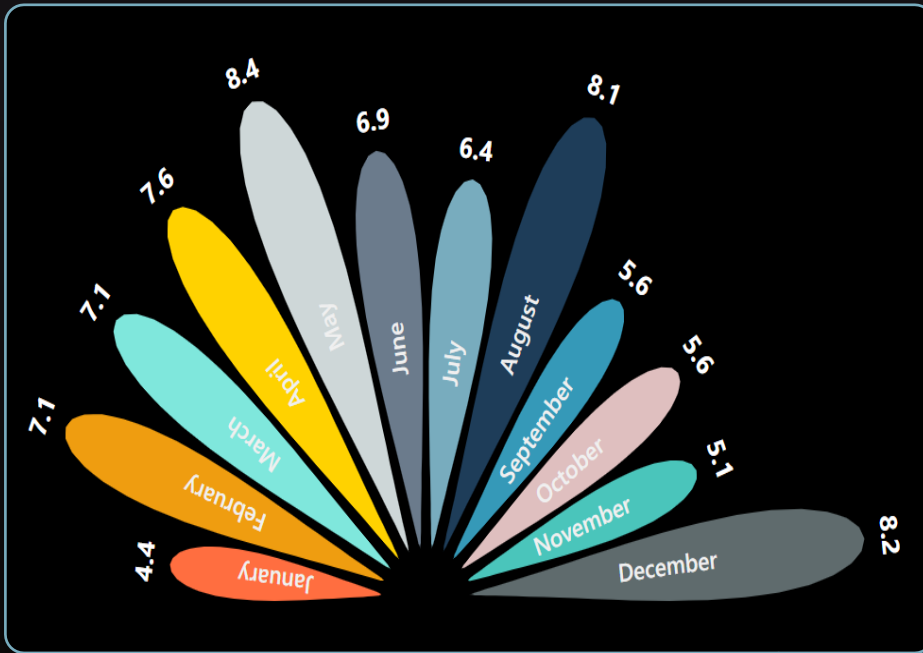
Start with PowerBI

"From Rookie to Rock"



Step by step

## Peacock Chart (with Charticulator)



Patou Tips #39



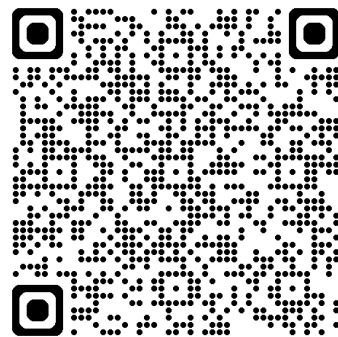
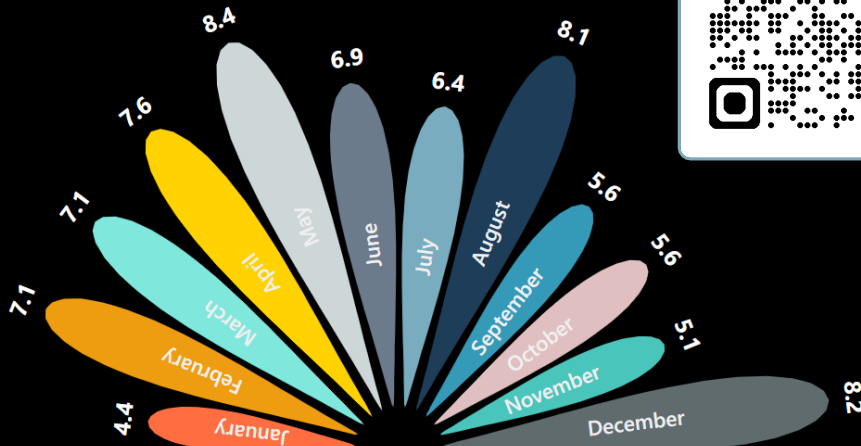
# About the project...



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.

## Peacock Chart (with Charticulator)

# Km/day each month in 2024



Resources  
free on  
GitHub

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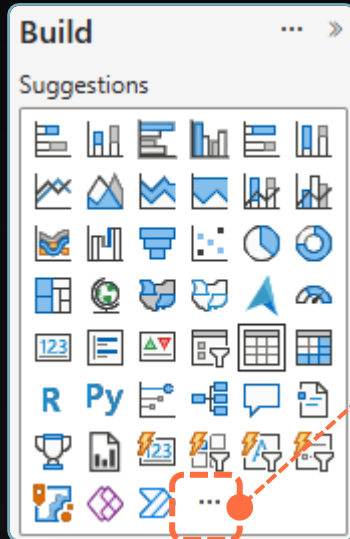
Create a Peacock Chart



1

## Download Charticularator PowerBI Visual App

Download the Charticularator Visual app for PowerBI

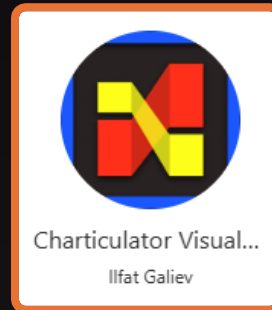


1



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

2



Download  
"Charticularator  
Visual  
Community  
(Editor) by  
Ilfat Galiev

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Create a Peacock Chart



2

## Create Peacock Chart

### Start a chart...

1



Choose "Charticulator" on the build pane.

2

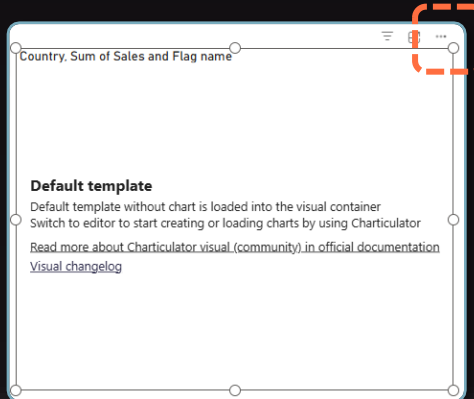
Data

Month_Id	×		>
Month	×		>
Sum of Km/da...	×		>
+Add data			

Drag and drop the data fields for the chart in the data from the "Build Pane". Note: Don't summarize the field "Month\_Id"

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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Create a Peacock Chart

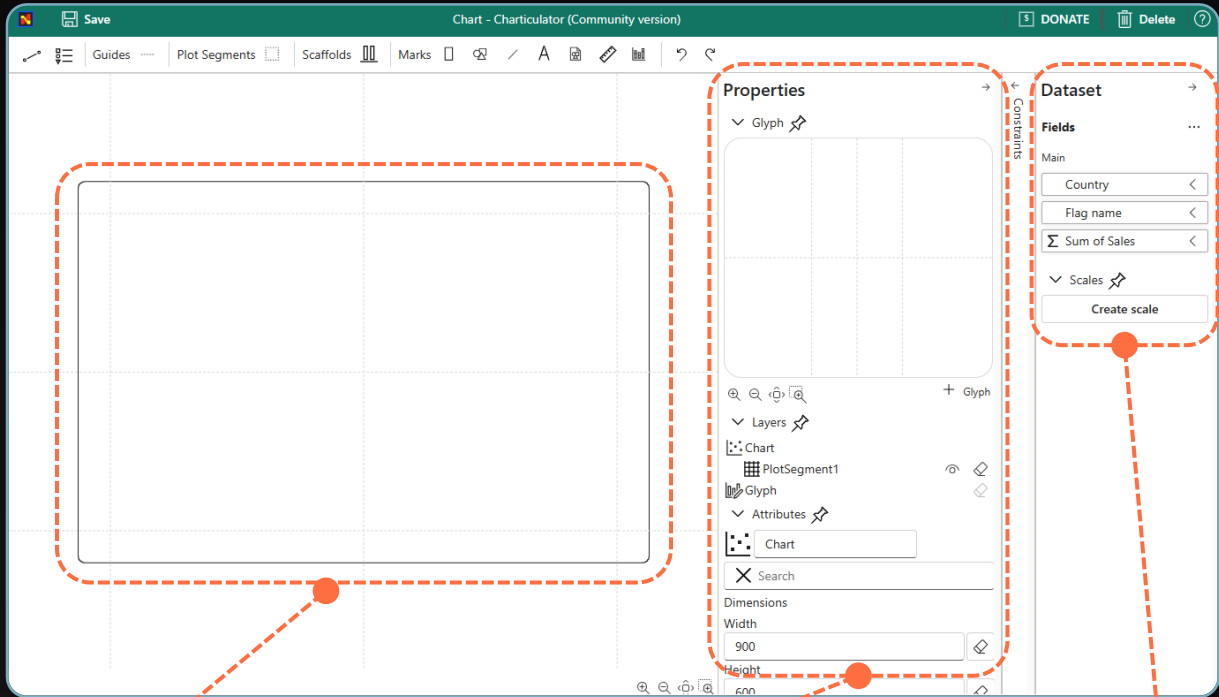
2

## Create Peacock 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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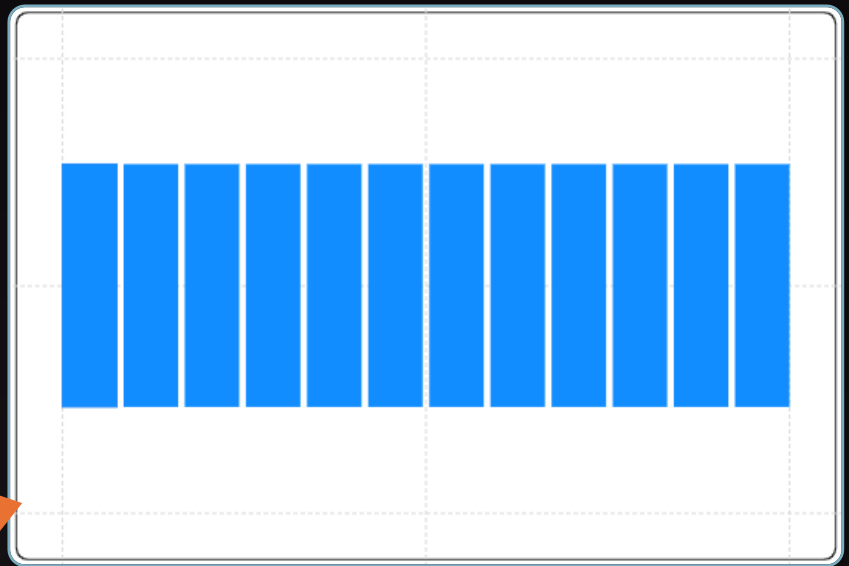
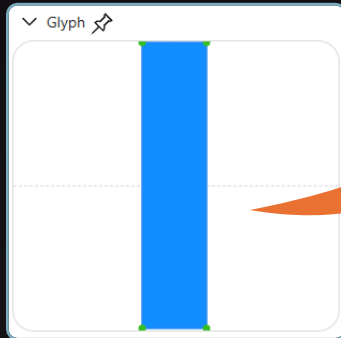
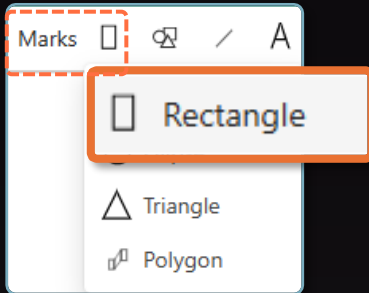
Create a Peacock Chart

2

## Create Peacock Chart Main form



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



### Result

Note: There are 12 rectangles because there are 12 months

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Create a Peacock Chart

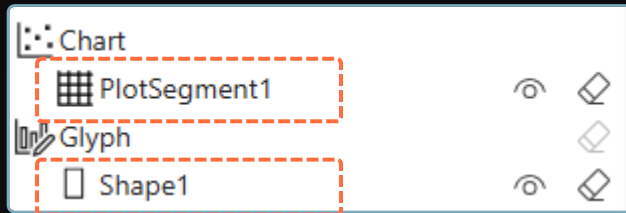


2

## Create Peacock Chart

### Rename created objects

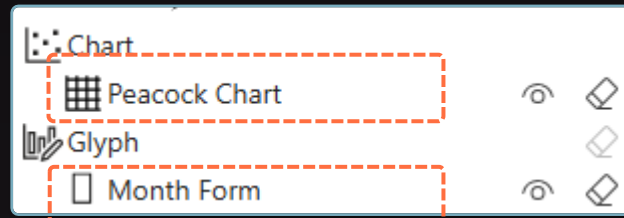
Rename the created object, "Graphic" and "Main Form" for clarity in building the project



Before



After



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Create a Peacock Chart

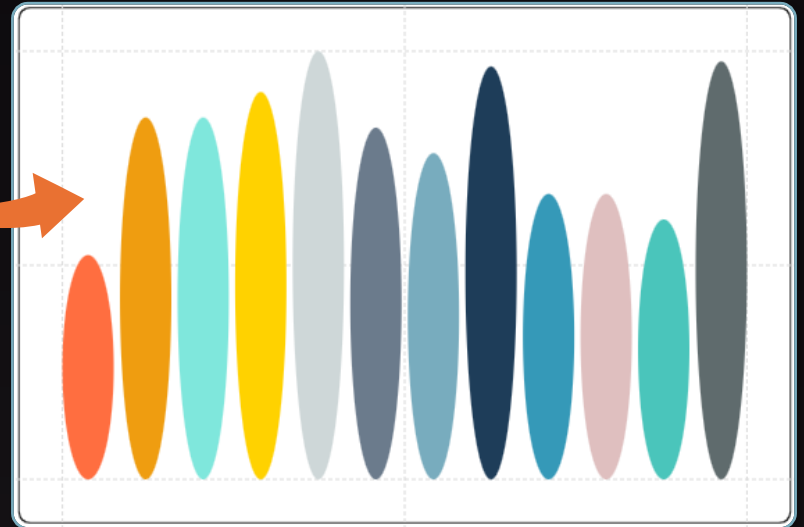
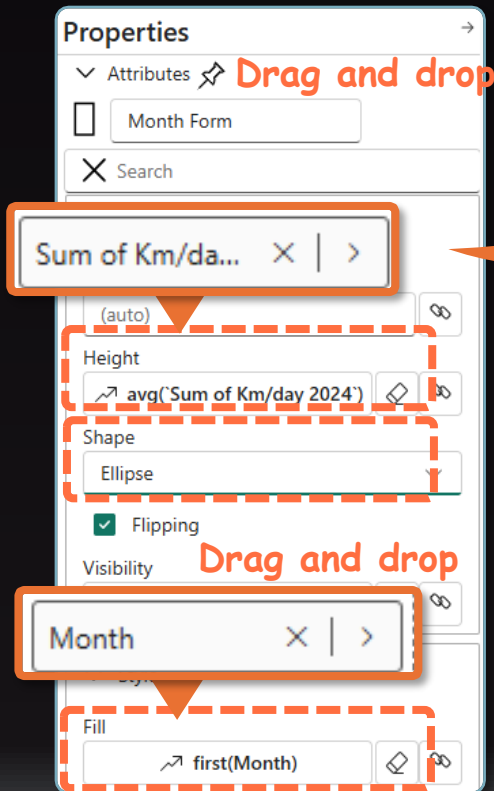
2

## Create Peacock Chart

### Transformation of the Rectangle



Drag and drop the fields "Sum of Km/day" from the "dataset pane" in the field "Height" in the attributes part of the field "Month Form", and "Month" in "Fill".



**Result:** "Rectangles" have the proportion of the provided data and have become "Ellipses".

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 Peacock Chart



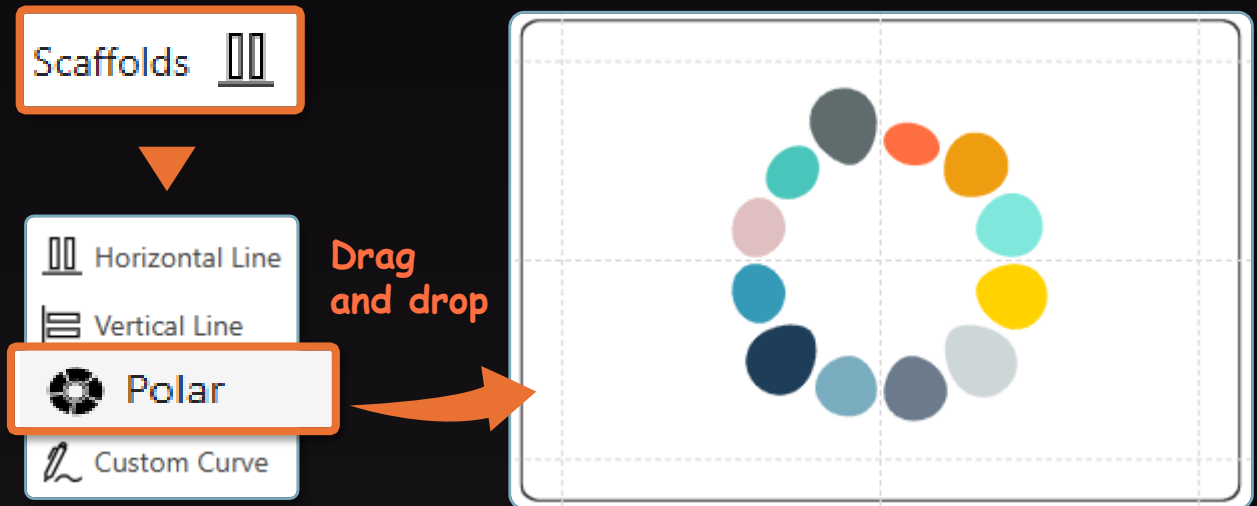
2

## Create Peacock Chart

### Transform Ellipse Chart into Radial Ellipse Chart



Select the button "Polar" in the menu "Scaffolds" and drag and drop hover the graphic



#### Result:

Ellipse Chart are transformed into a Radial Ellipse Chart

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Create a Peacock Chart

2

## Create Peacock Chart

### Peacock Chart settings



Change the settings in the attributes of the "Radial Bar Chart". A value of "270" for the angle is really interesting to open the graph.

**Properties**

Peacock Chart

Search

Data Filter by Group by...

▼ Polar Coordinates

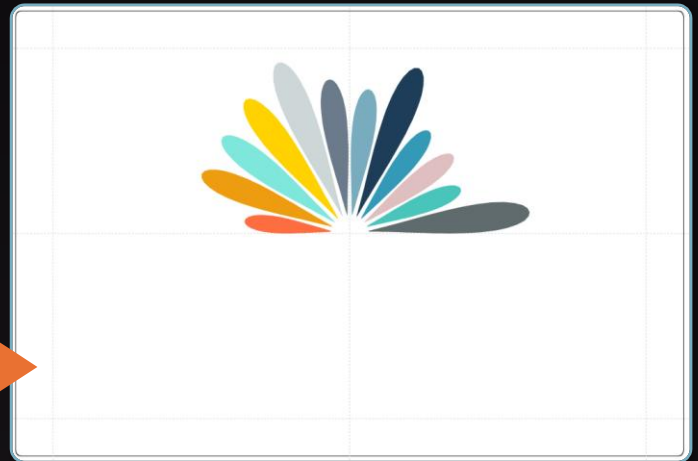
Angle

-90 90

Radius

Inner: 0.1

Outer: 1



**Result:**

Ellipse Bar Chart become a Peacock Chart is open

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Create a Peacock Chart

10

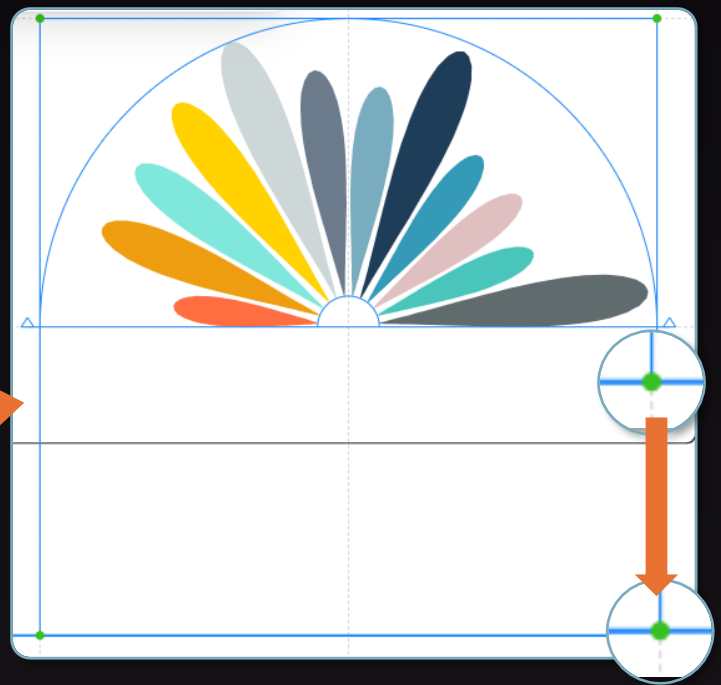
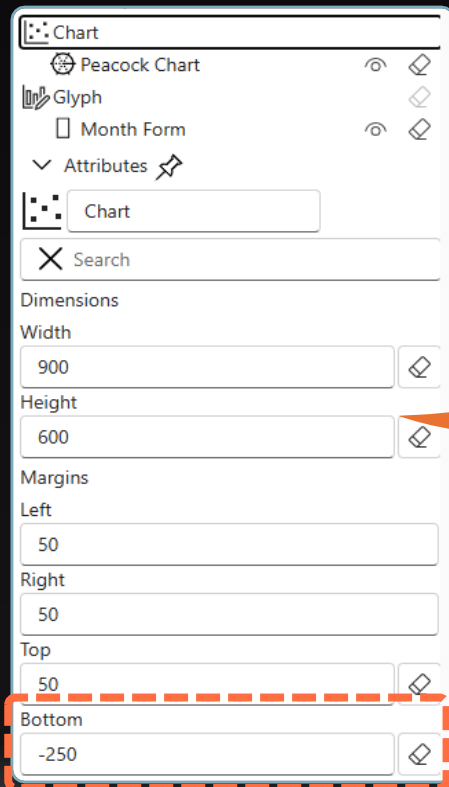
2

## Create Peacock Chart

### Extend chart



In the "Dimension" of the "Bottom Chart" attributes, write "-250" and drag the lower right point down to expand the chart format.



Result, the Bubbles are packed

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Create a Peacock Chart

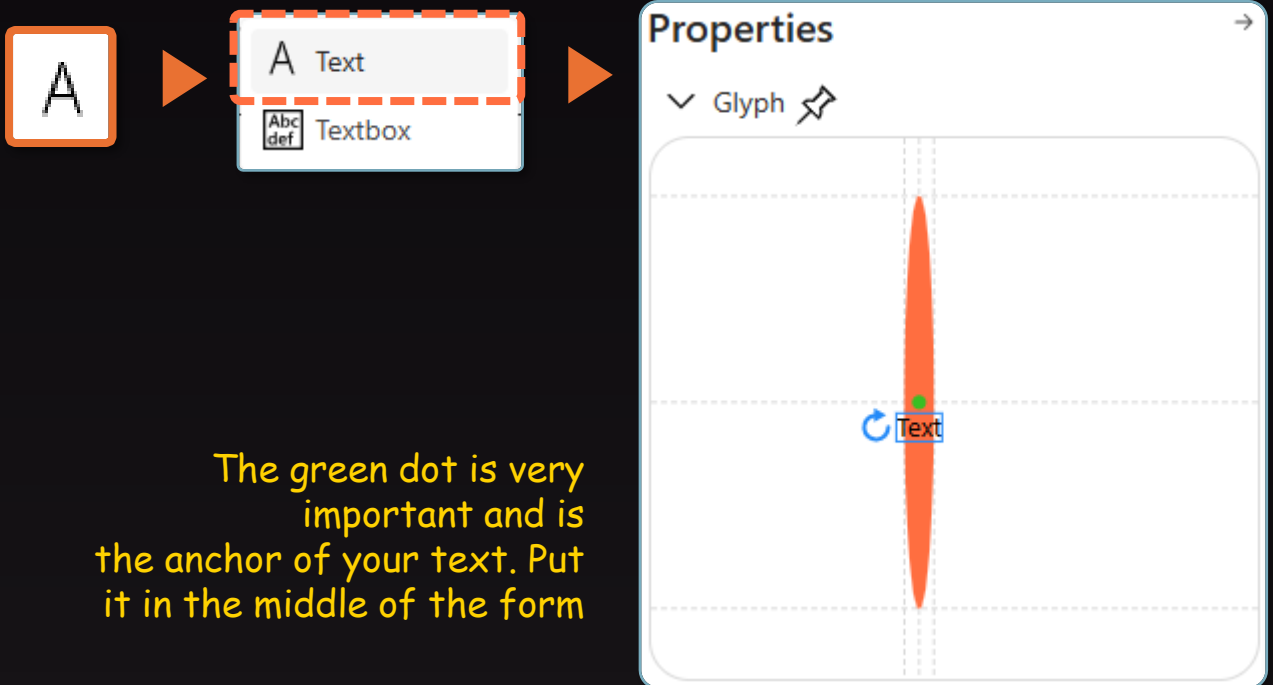
2

## Create Peacock Chart

### Add "Month Label" (1/2)



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. Put it in the middle of the form



2

## Create Peacock Chart Add "Month Label" (2/2)

Change the name of the created object and its attributes, font, font size, anchor and rotation...

Properties

Attributes Drag and drop

Month Label

Month × | >

General

Text

`$(first(Month))`

Font

Segoe UI Semibold

Size

18

Visibility

Conditioned by...

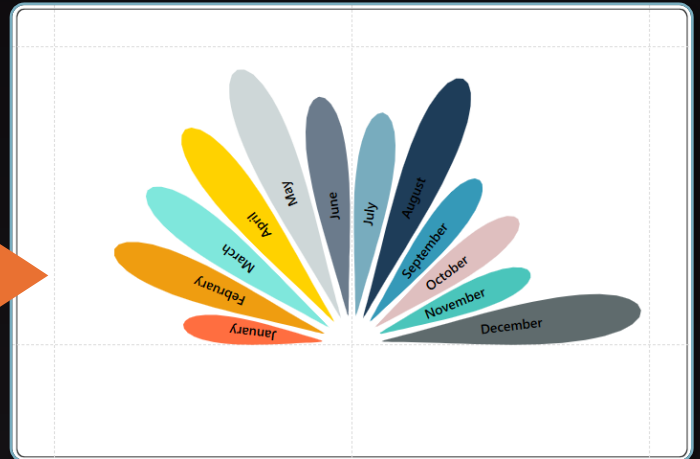
Anchor & Rotation

Anchor X

Anchor Y

Rotation

90



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

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Create a Peacock Chart

2

## Create Peacock Chart

### Add "Km/day Value Label"



**Properties**

A Km/day Value Label

X Search

General

Text

`$(avg('Sum of Km/day 2024')){.1f}`

Font

Segoe UI Bold

Size

20

Visibility

Conditioned by...

Anchor & Rotation

Anchor X

Anchor Y

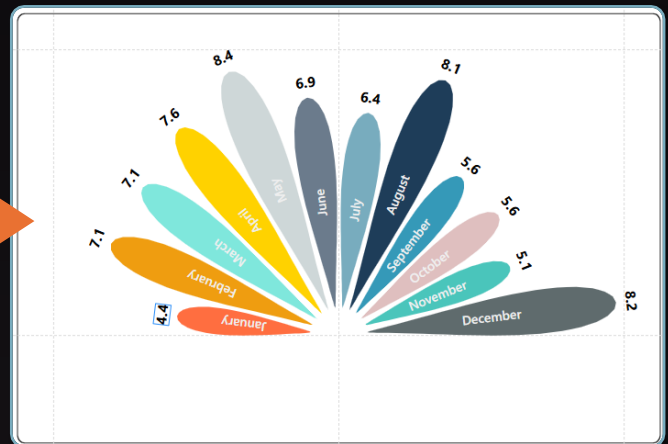
Margin

10

Rotation

0

Repeat the same action as for "Km/day Value Label"



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

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"From Rookie to Rock"

Create a Peacock Chart

2

## Create Peacock Chart

### Background color (variation)



You can change the color background, to have a second Peacock Chart version.

Chart

Search

Dimensions

Width

900

Height

600

Margins

Left

50

Right

50

Top

50

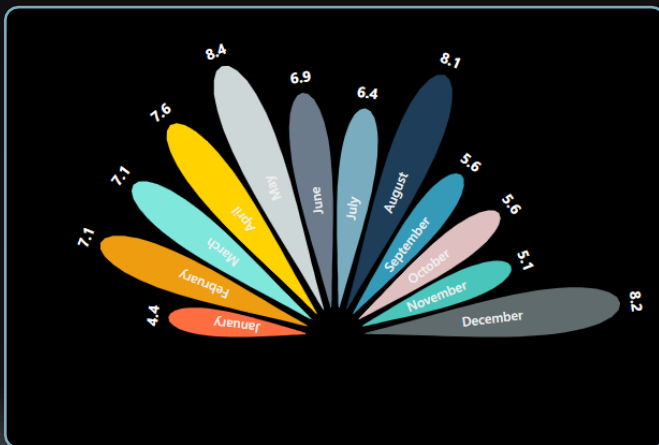
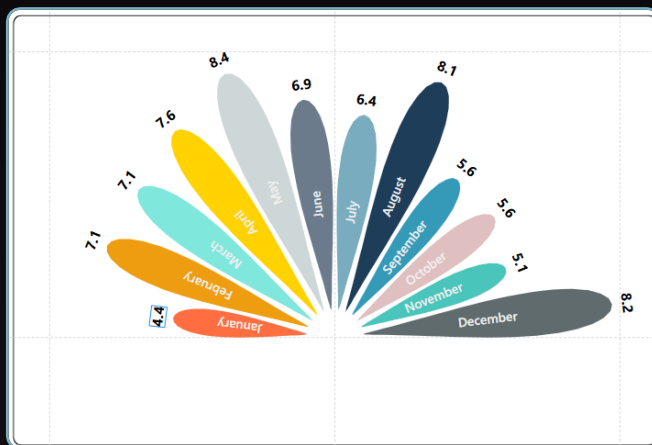
Bottom

-250

Background

Color

#000000



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"From Rookie to Rock"

Create a Peacock Chart

2

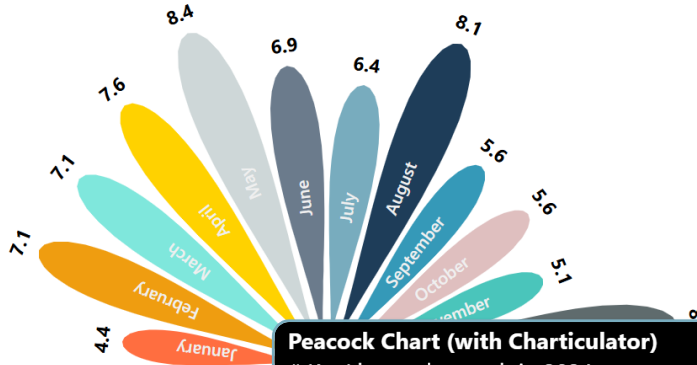
## Create Bubble Chart That's all folks!



### Peacock Chart (with Charticulator)

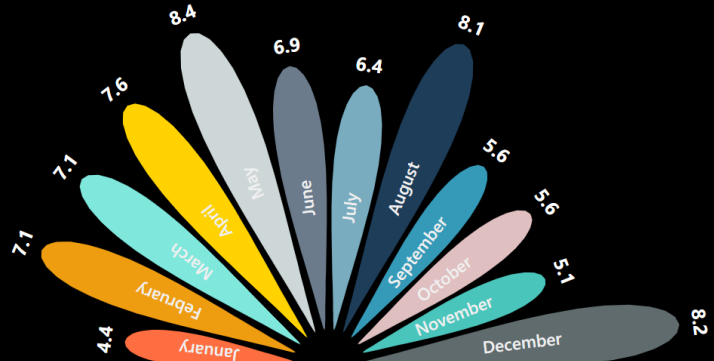
# Km/day each month in 2024

Editor preview:



### Peacock Chart (with Charticulator)

# Km/day each month in 2024



Start with PowerBI

"From Rookie to Rock"

Create a Peacock 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

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.

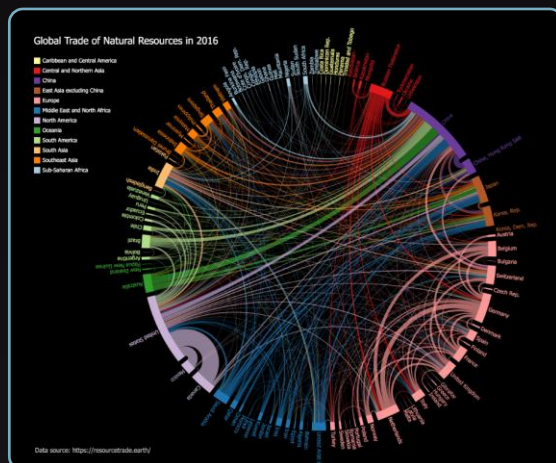
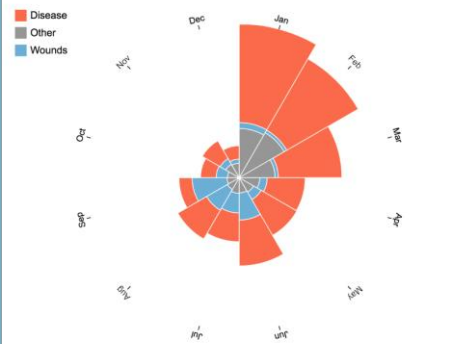
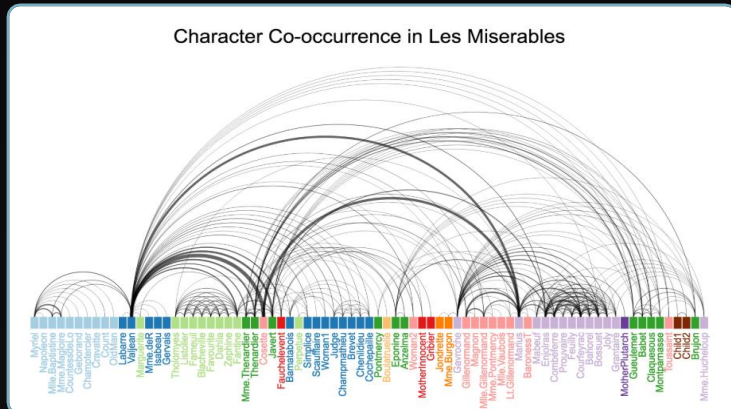
Terminology

- 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.

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

## Charticulator

To go further...



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

## "From Rookie to Rock"

## Create a Peacock 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



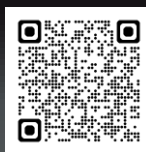
**Patou Tips #6**  
Create  
Customized Icon



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



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



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

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

## Patou Tips



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