

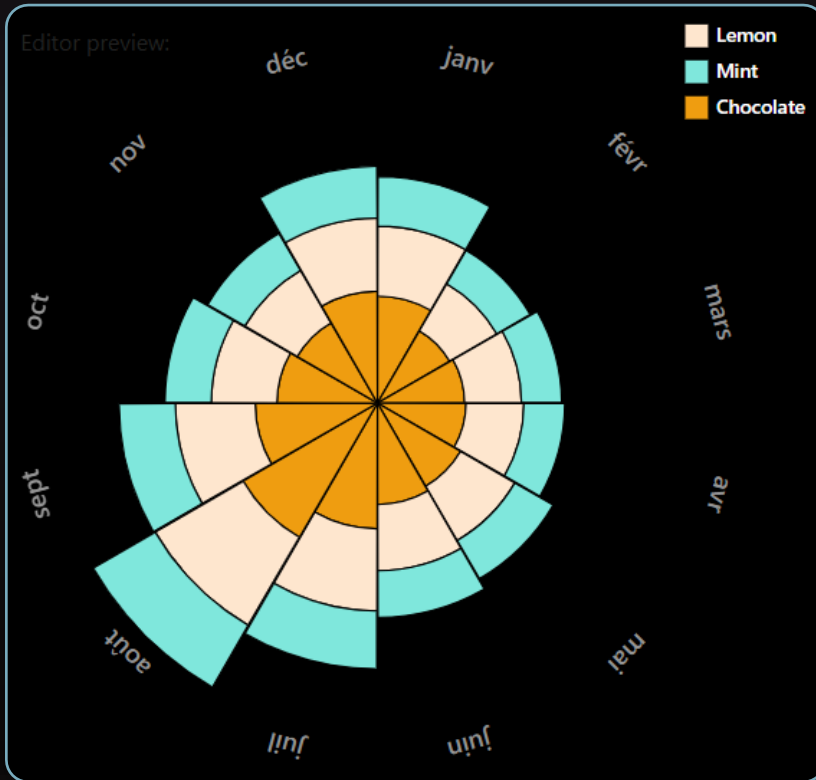
Start with PowerBI

"From Rookie to Rock"



Step by step

## Nightingale Chart (with Charticulator)



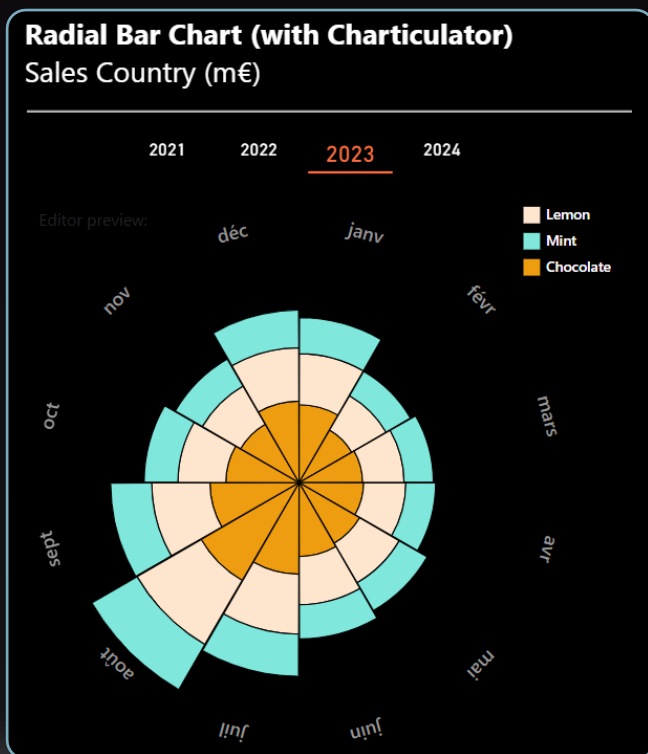
Patou Tips #39



# About the project...



Charticulator is really a great application and also a great visual application for PowerBI to create fantastic charts like in Statista.



Resources free on  
GitHub

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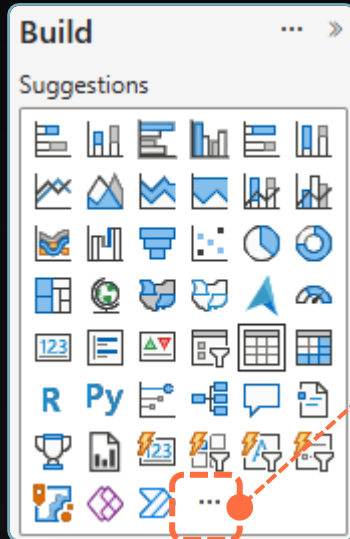
Create a Nightingale Chart



1

## Download Charticator PowerBI Visual App

Download the Charticator Visual app for PowerBI

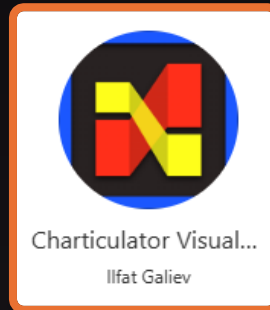


1



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 Nightingale Chart

3



2

## Create Nightingale Chart

### Start a chart...

1



Choose "Charticulator" on the build pane.

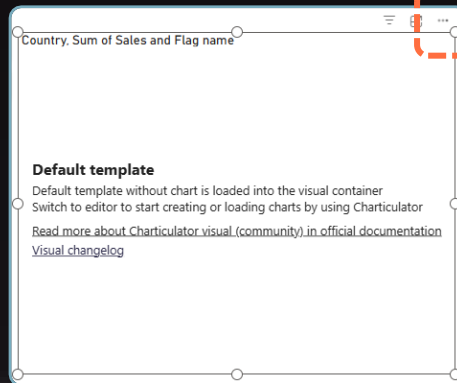
2

Data		
NumMonth	×	>
Month	×	>
Product	×	>
Sales	×	>

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

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 Nightingale Chart

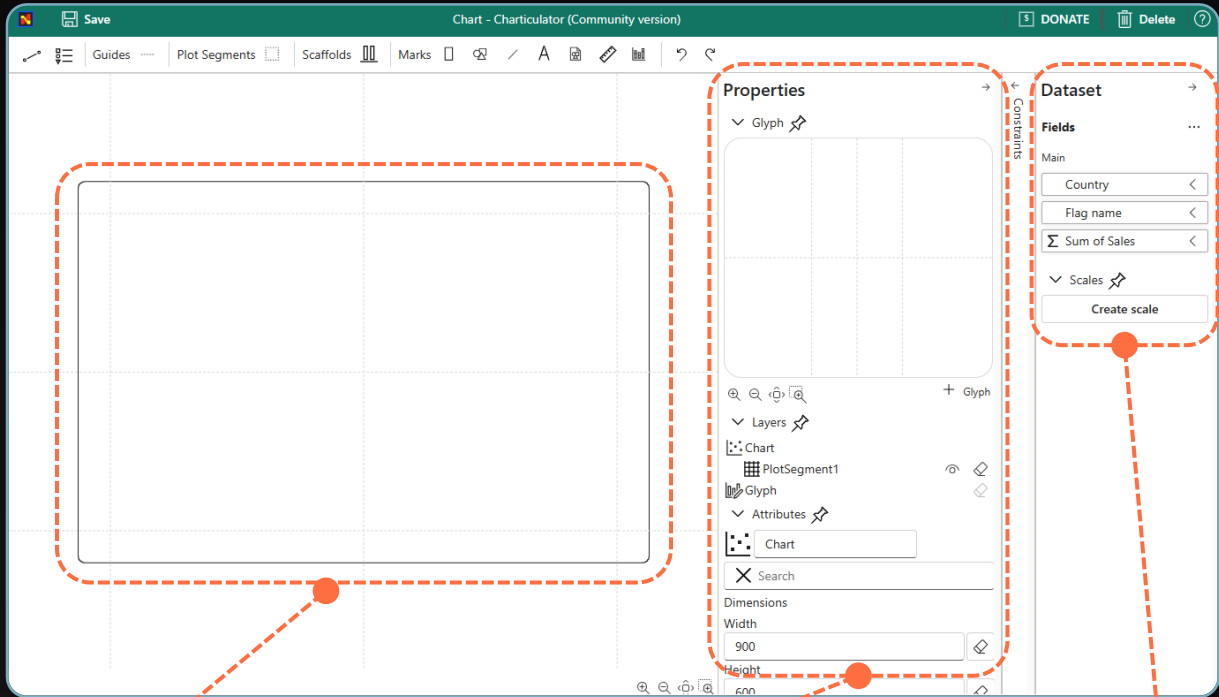
2

## Create Nightingale 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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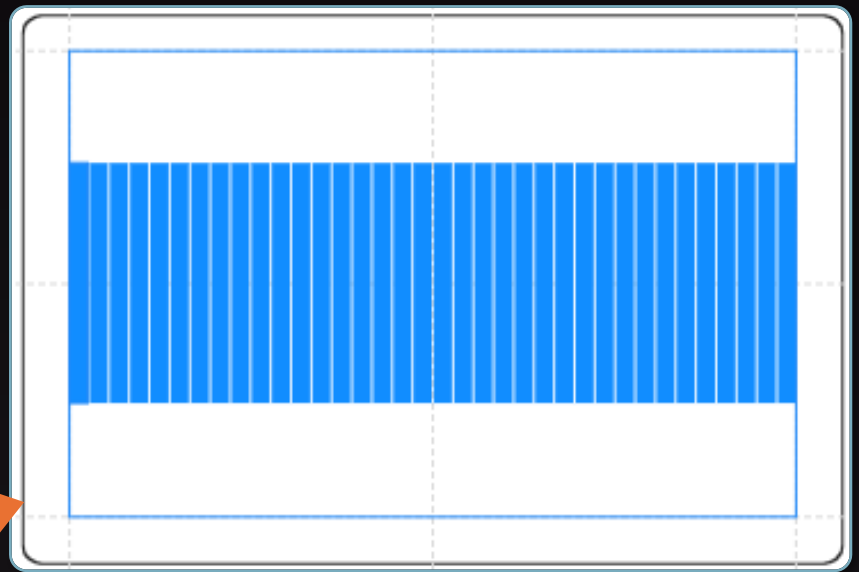
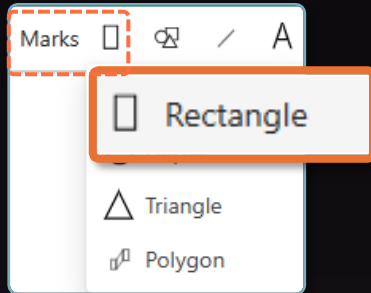
Create a Nightingale Chart

2

## Create Nightingale 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 36 rectangles because there are 12 months and 3 products (3x12)

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"From Rookie to Rock"

Create a Nightingale Chart

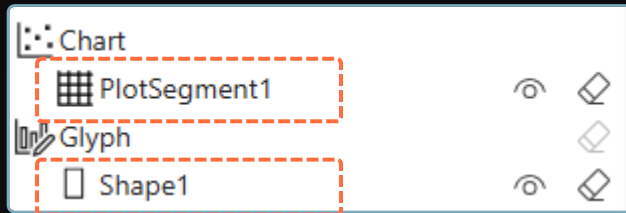


2

## Create Nightingale Chart

### Rename created objects

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



Before



After



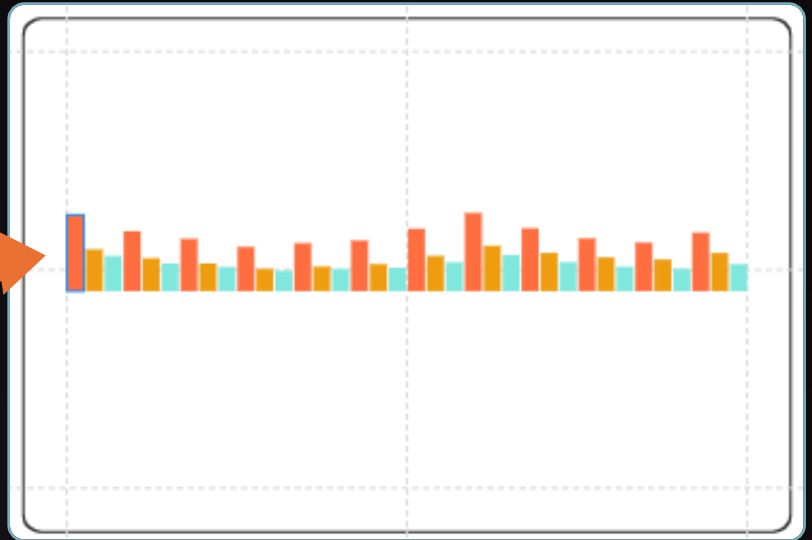
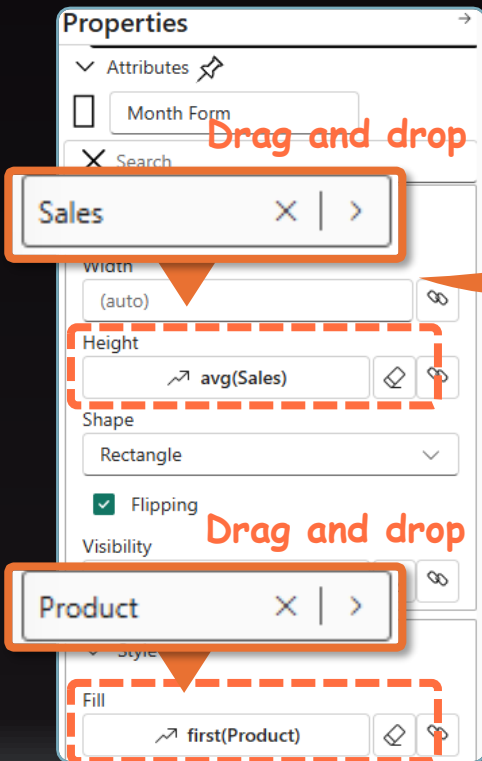


2

## Create Nightingale 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.

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 Nightingale Chart



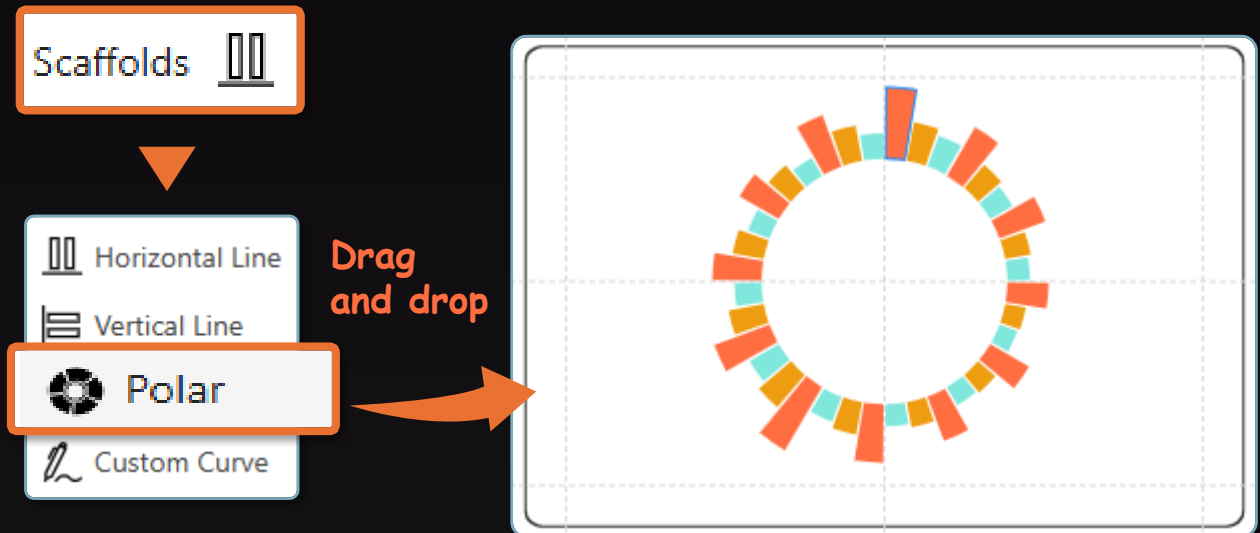
2

## Create Nightingale Chart

### Transform Bar Chart into Radial Bar Chart



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



**Result:**

Bar Chart are transformed into a Radial Bar Chart

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Create a Nightingale Chart

2

## Create Nightingale Chart

### Nightingale Chart settings



**Properties** →

Nightingale Chart

Radius  
Inner: 0

Angular Axis: General

Data  
first(Month)

Order by  
Month

Gap  
1

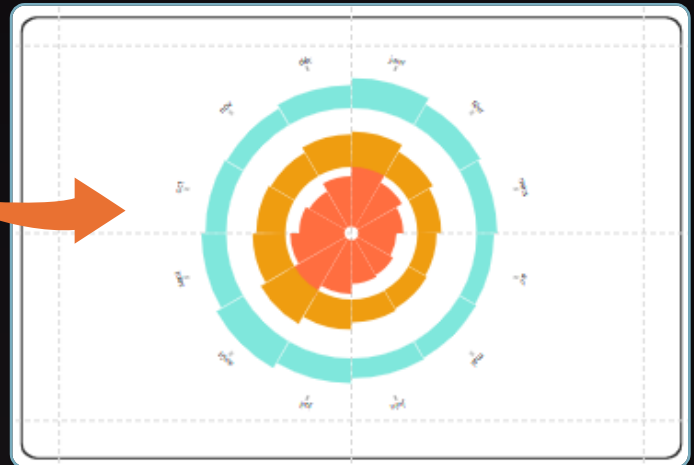
Sub-layout

Type

Alignment

Gap  
0

Change the settings in the attributes of the "Radial Bar Chart"...



**Result:**

Radial Bar Chart become a Nightingale Chart

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Create a Nightingale Chart

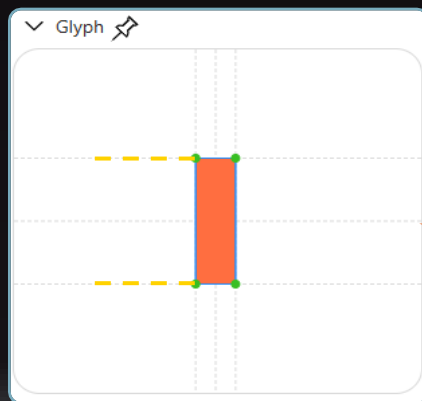
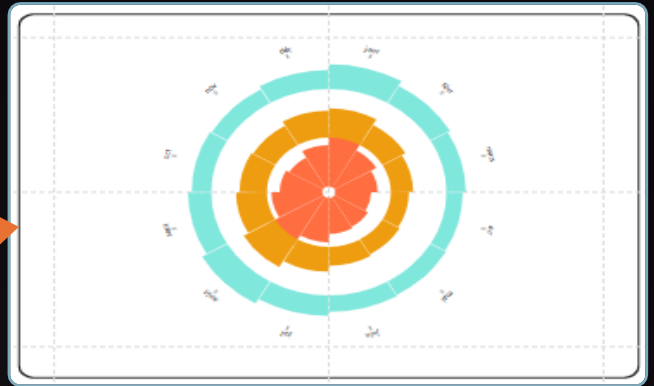
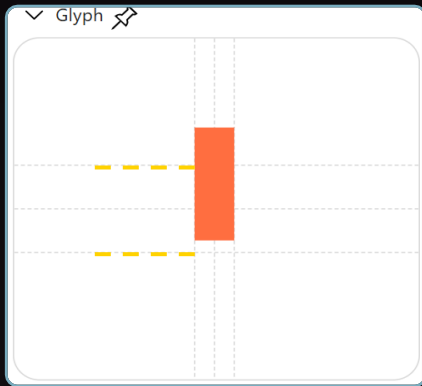
2

## Create Nightingale Chart

### Resize chart



If necessary, resize the rectangle in the "Glyph View" inside the guides.



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Create a Nightingale Chart

2

## Create Nightingale Chart

### Add "Legend"



From the "Legend" menu, choose "Product" and place it in the chart.

The image shows the 'Legend' configuration dialog on the left and the resulting Nightingale chart on the right. The dialog has two sections: 'Legend type' with 'Column values' selected (indicated by a green dot), and 'Connect by' with a list of columns. The 'Product' column is highlighted with a red dashed box. An orange arrow points from this box to the legend in the chart. The chart is a circular sunburst chart with segments for 'févr' and 'mars'. A legend in the top right corner, also with a red dashed border, lists 'Chocolate' (orange), 'Lemon' (yellow), and 'Mint' (teal).

The green dot is very important and is the anchor of your Legend. Place it and adjust settings.

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"From Rookie to Rock"

Create a Nightingale Chart

2

## Create Nightingale Chart Background color (variation)



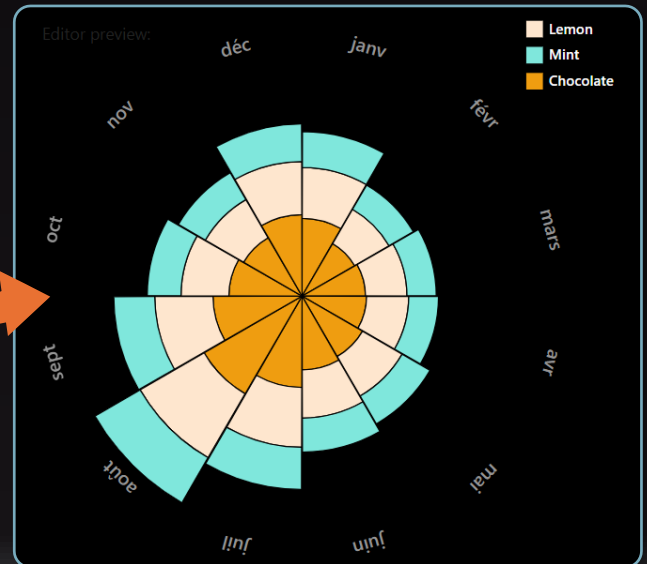
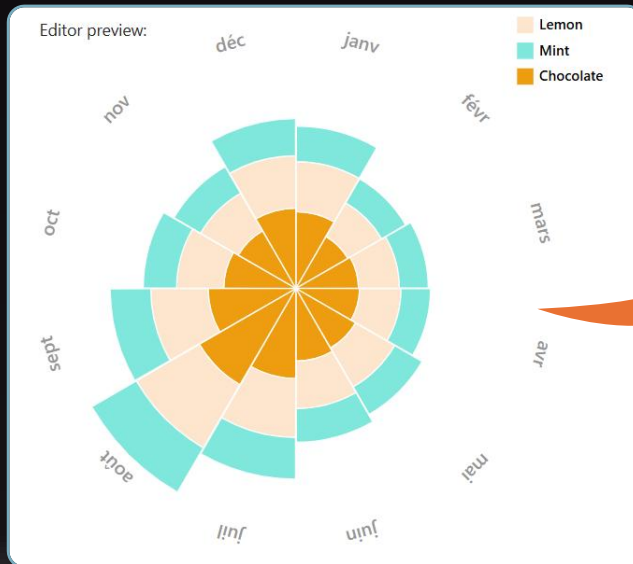
You can change the color background, to have a second Nightingale Chart version.

Chart

Background

Color

#000000



Start with PowerBI

"From Rookie to Rock"

Create a Nightingale Chart

2

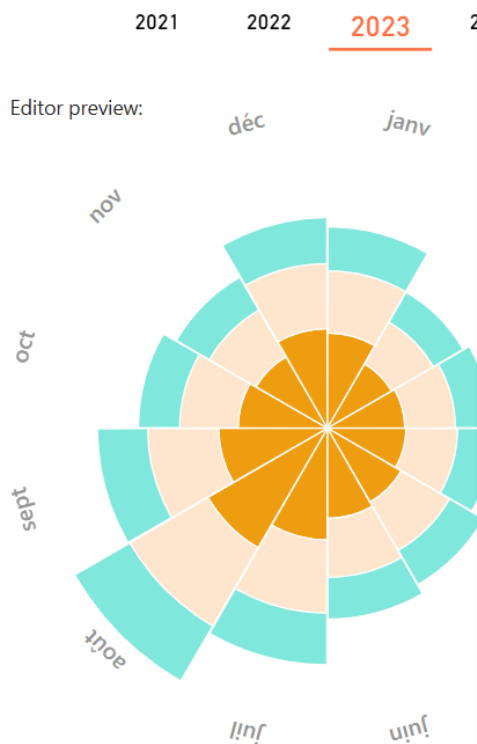
## Create Nightingale Chart

That's all folks!



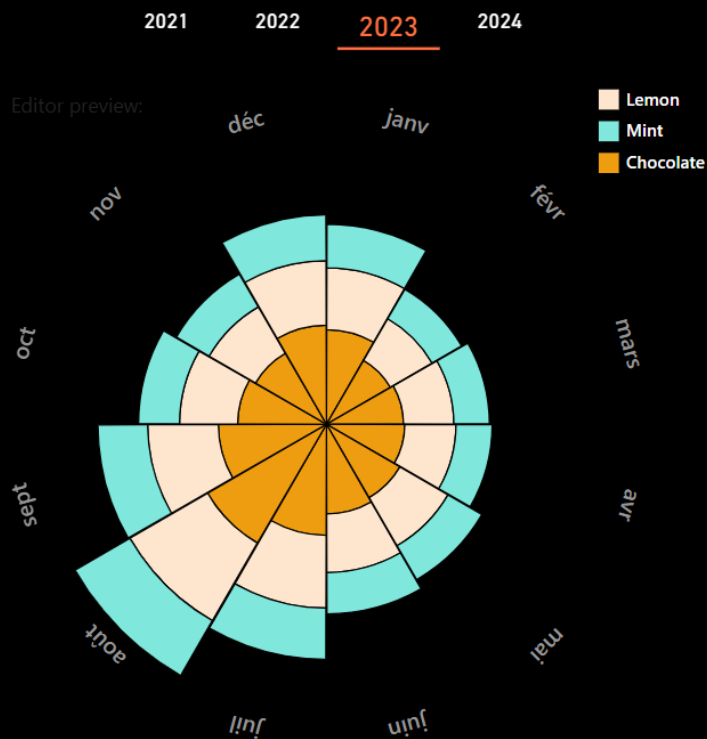
### Radial Bar Chart (with Charticulator)

Sales Product



### Radial Bar Chart (with Charticulator)

Sales Product



Start with PowerBI

"From Rookie to Rock"

Create a Nightingale Chart



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

The screenshot shows the Charticulator documentation website. The header includes the user profile 'Ilfat Galiev', navigation links for 'Visual documentations', 'Visuals', and 'Charticulator app', and social media links for 'Privacy', 'LinkedIn', 'GitHub', and 'About me'. The left sidebar lists various topics under 'Visual documentations', with 'Charticulator' and its 'Intro' page highlighted. The main content area features the 'Intro' page, which describes the documentation's purpose and lists four key concepts: 'mark', 'glyph', 'guide', and 'terminology'. The right sidebar contains a 'Terminology' section with links to 'User Interface Components', 'Help Menu', 'Preparing Data', 'Narrow', 'Wide', 'Data for Links', and 'Loading Data'.

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.

**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

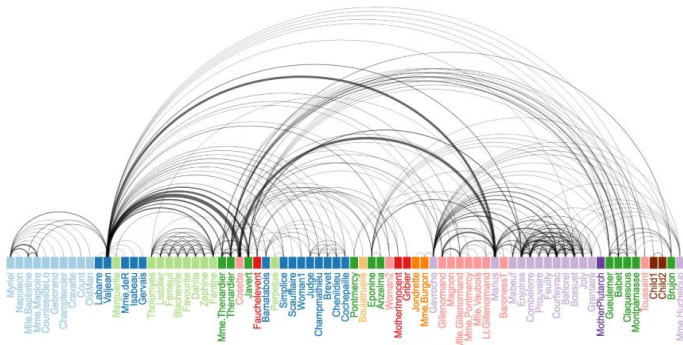
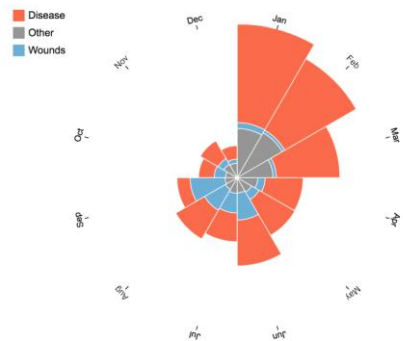
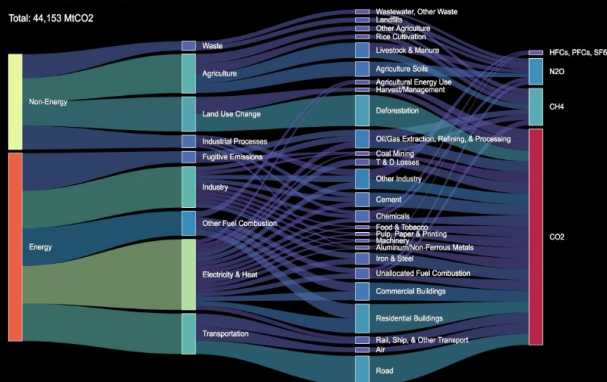


Diagram of the Causes of Mortality in the Army in the East

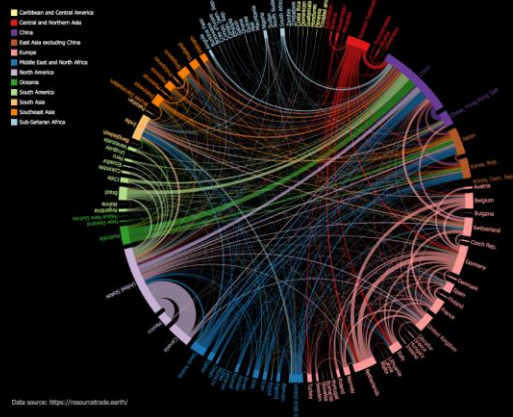


World Greenhouse Gas Emissions in 2005

Total: 44,153 MCO2



Global Trade of Natural Resources in 2016



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

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Create a Nightingale Chart

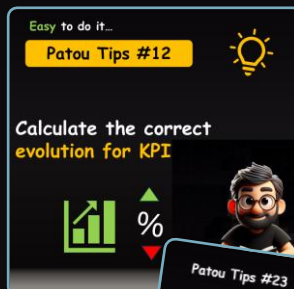


# Learn and practice

## 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



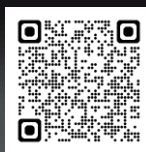
**Patou Tips #6**  
Create  
Customized Icon



**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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