

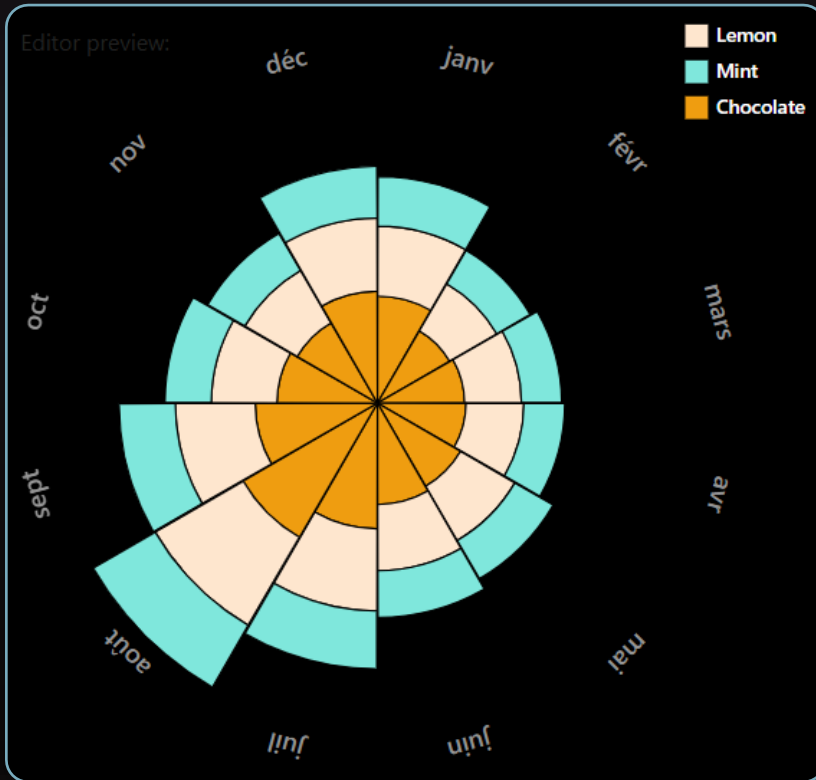
Start with PowerBI

"From Rookie to Rock"



Step by step

Nightingale Chart (with Charticulator)



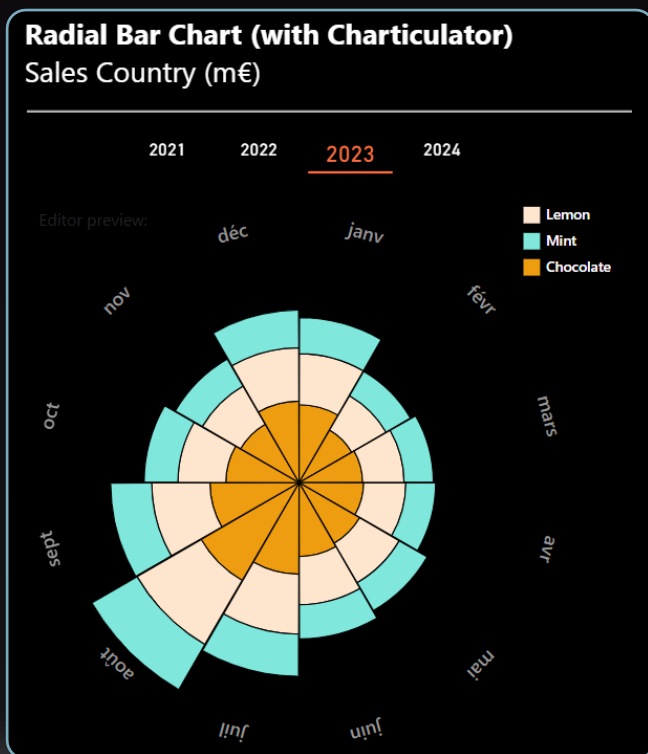
Patou Tips #40



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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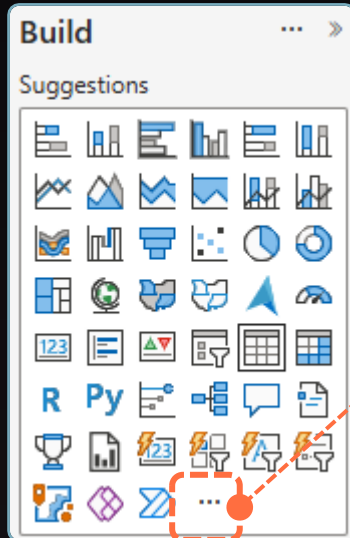
Create a Nightingale Chart



1

Download Charticator PowerBI Visual App

Download the Charticator Visual app for PowerBI

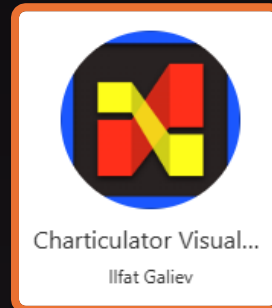


1



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.

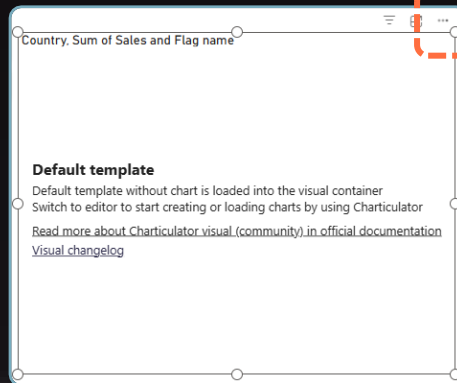
2

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

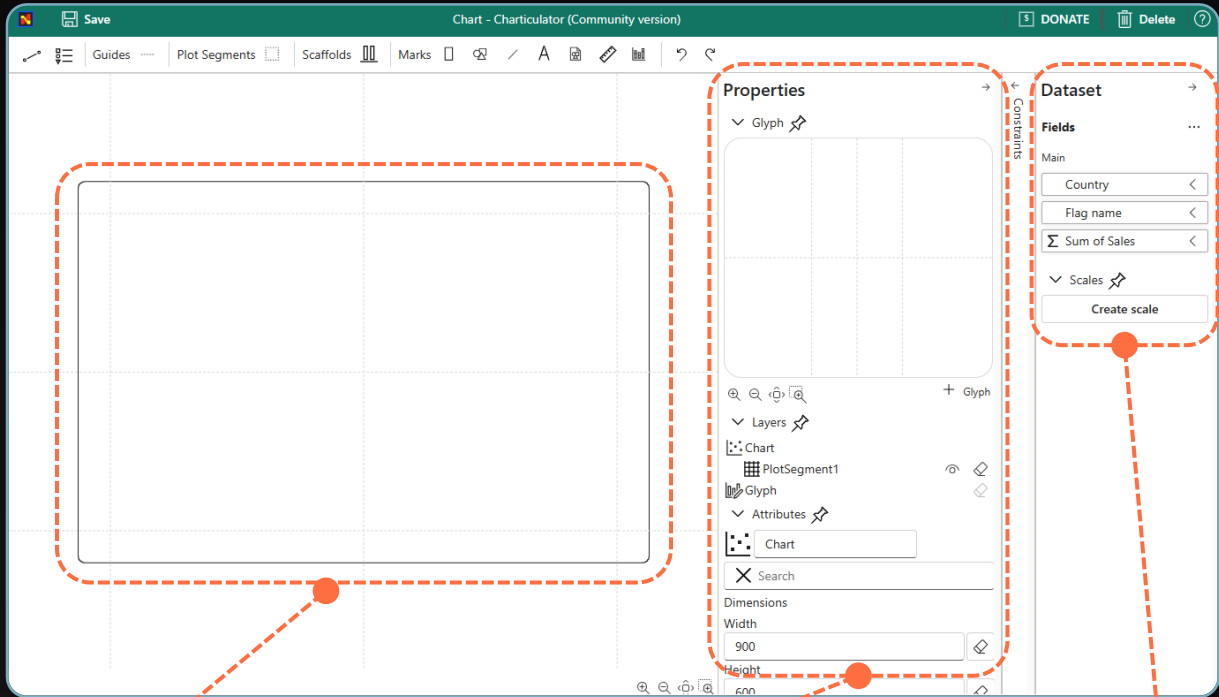
2

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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"From Rookie to Rock"

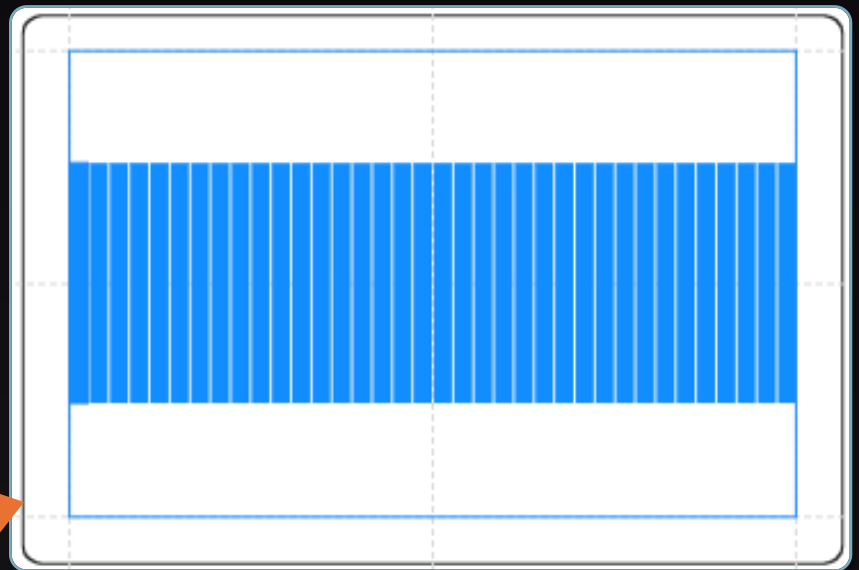
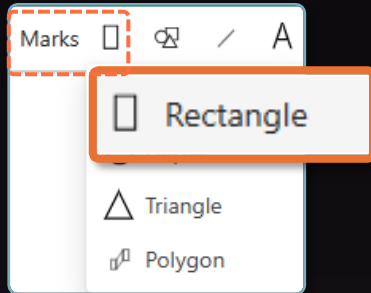
Create a Nightingale Chart

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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Create a Nightingale Chart

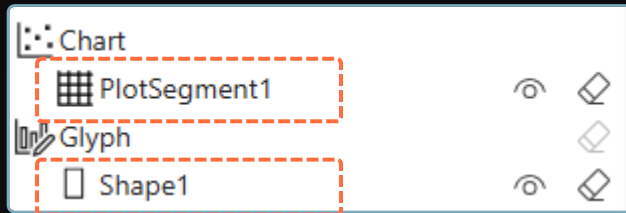


2

Create Nightingale Chart

Rename created objects

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



Before



After



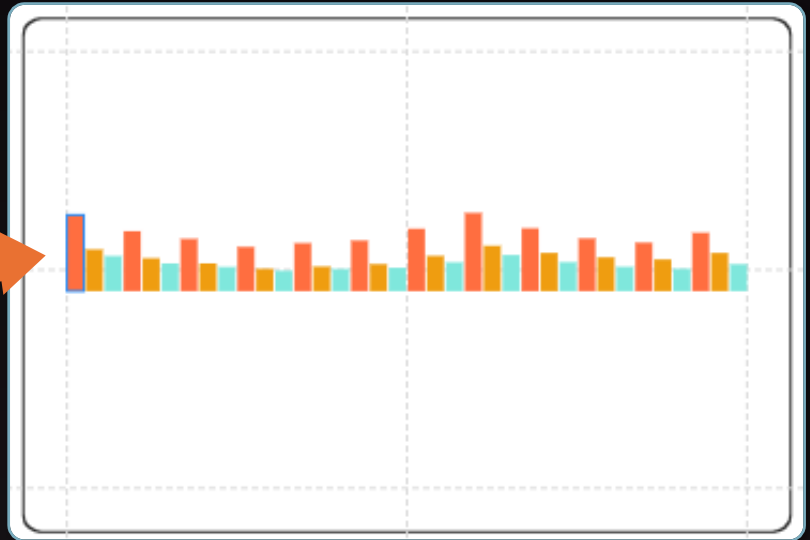
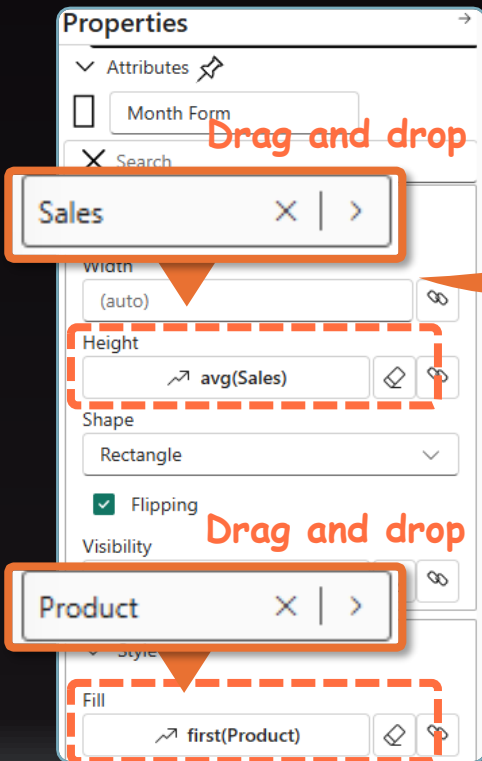


2

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

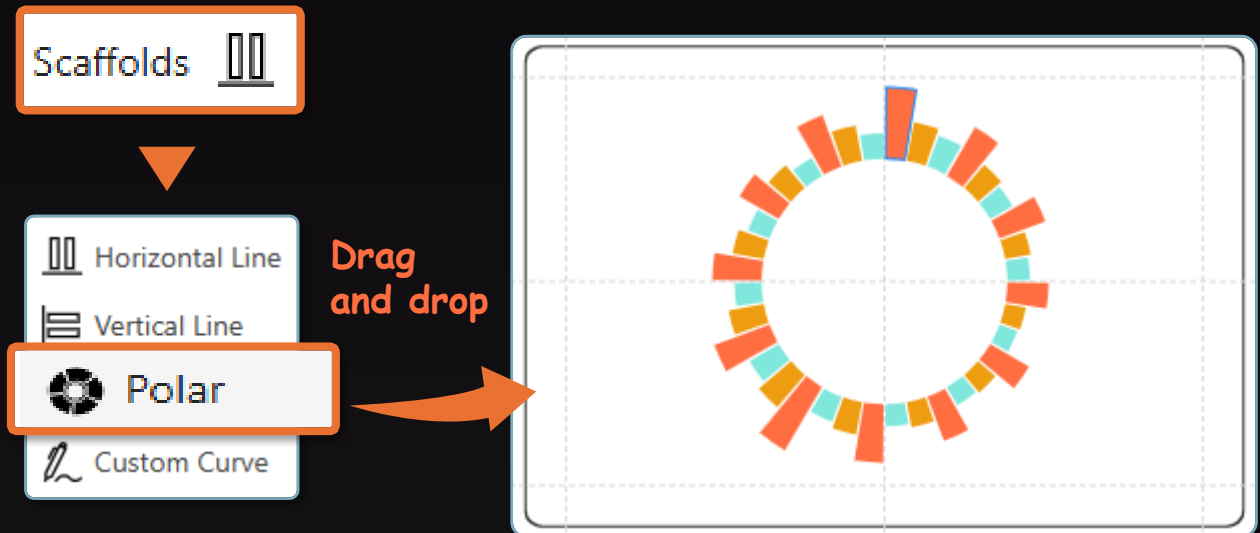
2

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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"From Rookie to Rock"

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

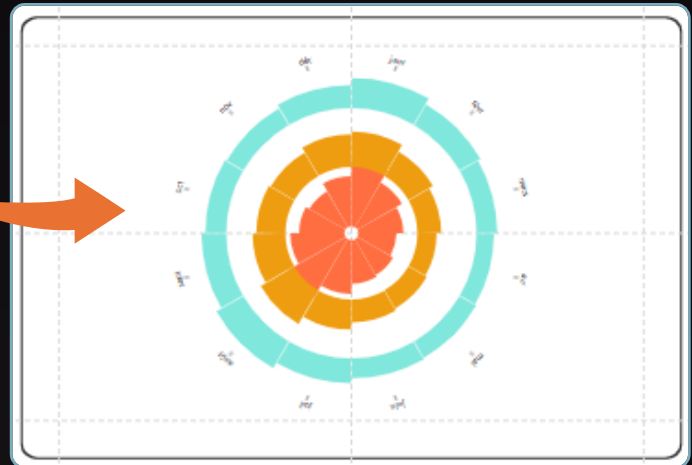
Sub-layout

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

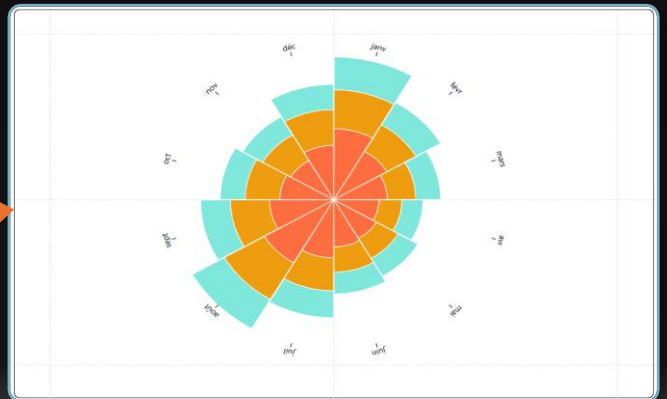
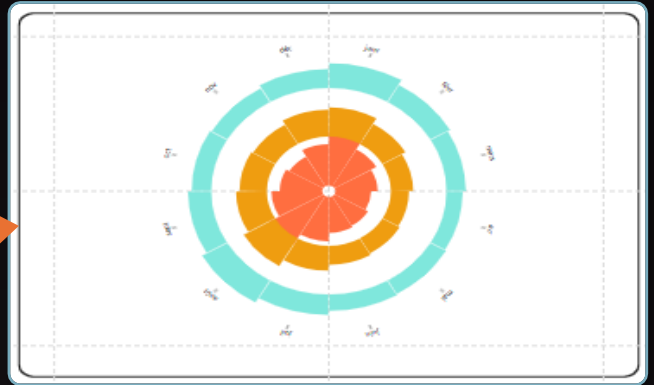
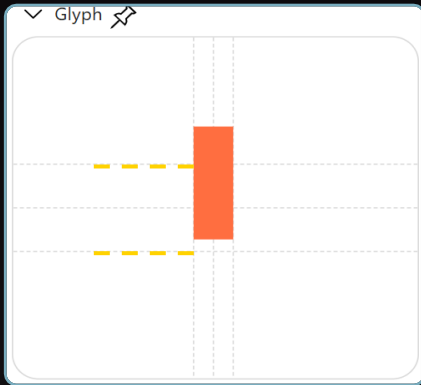
2

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 a two-step process. On the left, a 'Legend' configuration dialog is displayed. It has a 'Legend type' section with 'Column values' selected (indicated by a green dot) and 'Column names' unselected. Below this is a 'Connect by:' section with a dropdown menu showing '(select column to create legend)'. The dropdown list includes 'NumMonth', 'Month', 'Product', and 'Sum of Sales'. The 'Product' option is highlighted with an orange background and a dashed red border. At the bottom of the dialog are 'Create Legend' and 'Cancel' buttons. An orange arrow points from the 'Product' option to the right. On the right, a Nightingale chart is shown. It is a circular chart with segments in orange and teal. The chart is labeled with 'févr' and 'mars'. A legend is located in the top right corner, enclosed in a dashed red box. The legend lists 'Chocolate' with an orange dot, 'Lemon' with a yellow dot, and 'Mint' with a teal dot. The orange dot is highlighted with a green dot.

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

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Create a Nightingale Chart

2

Create Nightingale Chart Background color (variation)



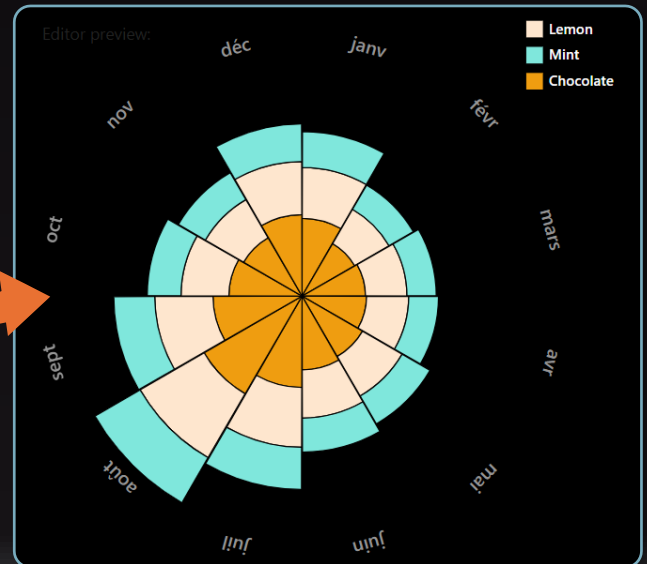
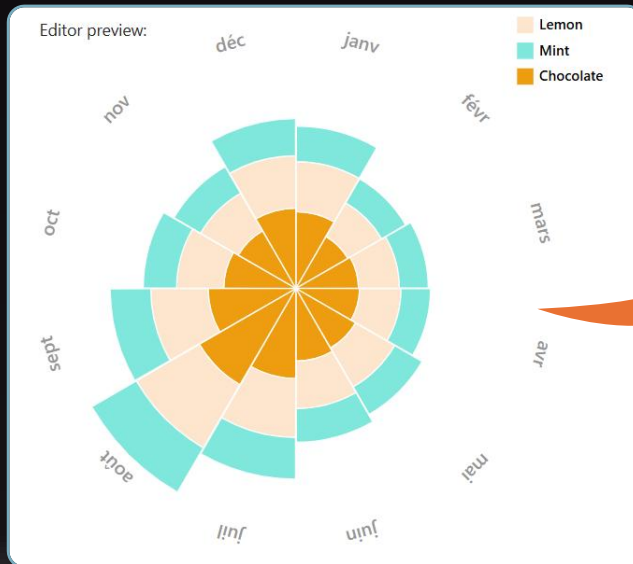
You can change the color background, to have a second Nightingale Chart version.

Chart

Background

Color

#000000



Start with PowerBI

"From Rookie to Rock"

Create a Nightingale Chart

2

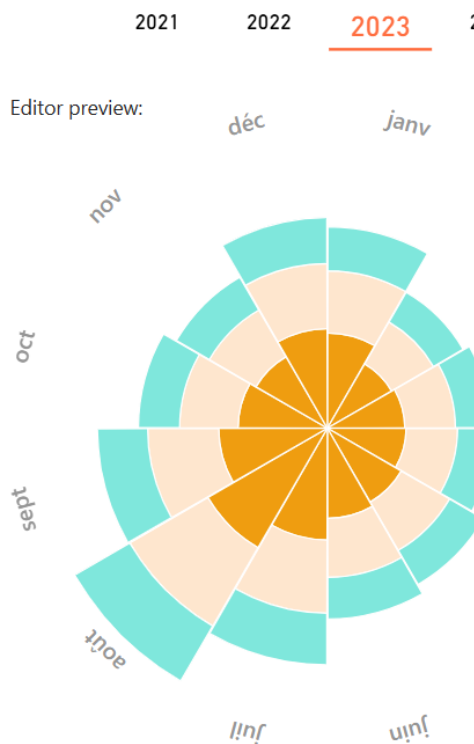
Create Nightingale Chart

That's all folks!



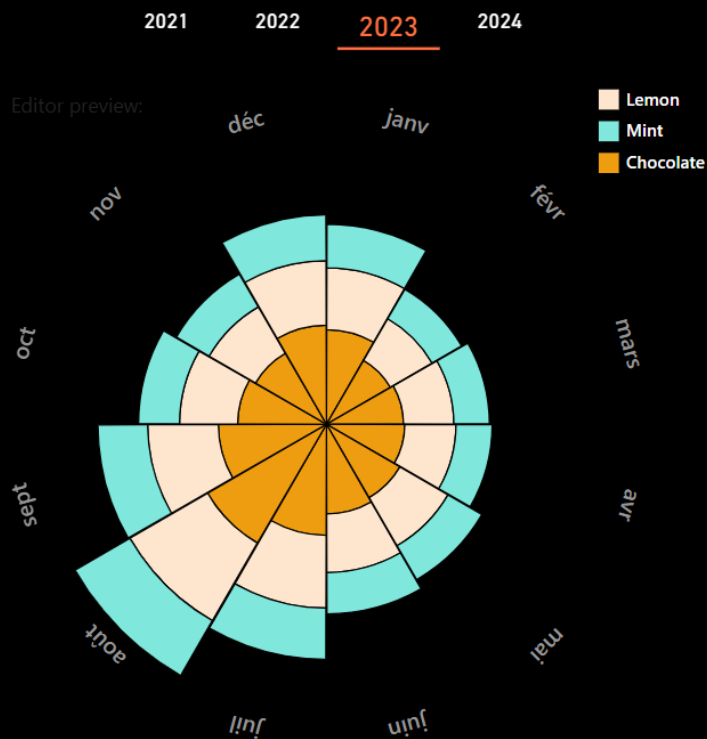
Radial Bar Chart (with Charticulator)

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 selected. 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

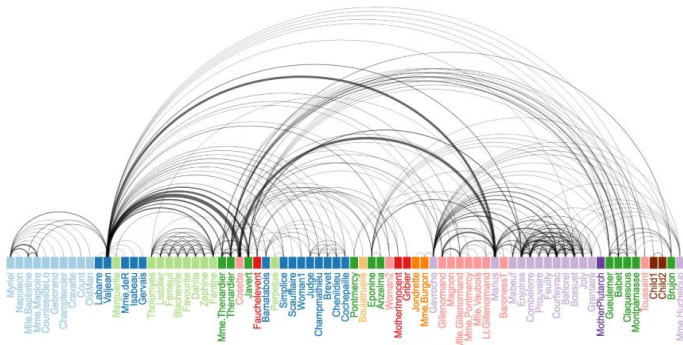
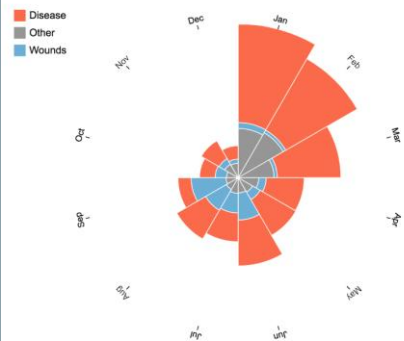
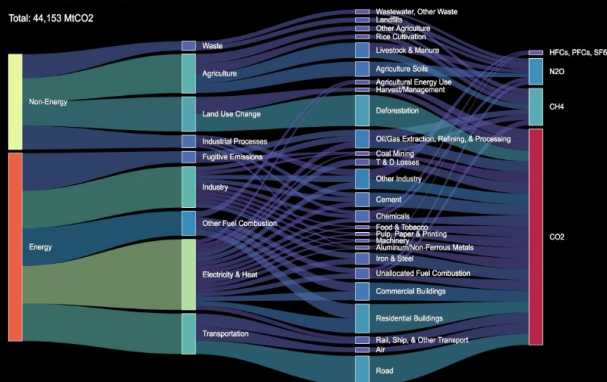


Diagram of the Causes of Mortality in the Army in the East

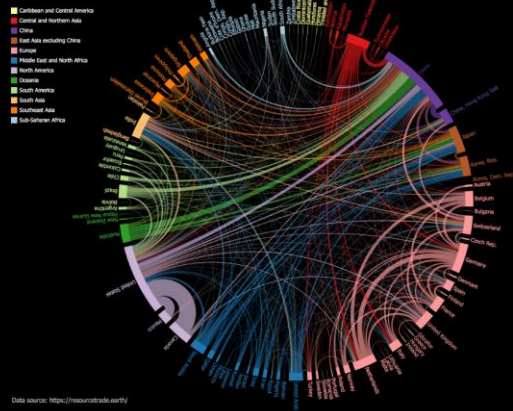


World Greenhouse Gas Emissions in 2005

Total: 44,153 MCO2



Global Trade of Natural Resources in 2016



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

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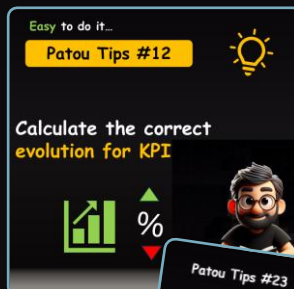
Create a Nightingale Chart

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



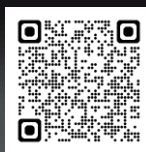
Patou Tips #6
Create
Customized Icon



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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