Start with PowerBI

"From Rookie to Rock"



Chord Diagramm (with Charticulator)

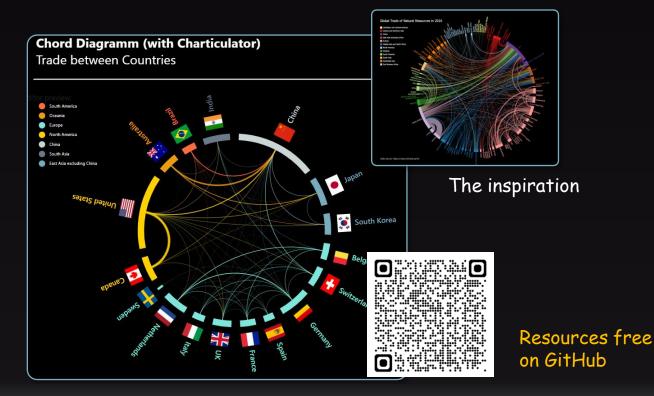


Patou Tips #41

About the project...



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

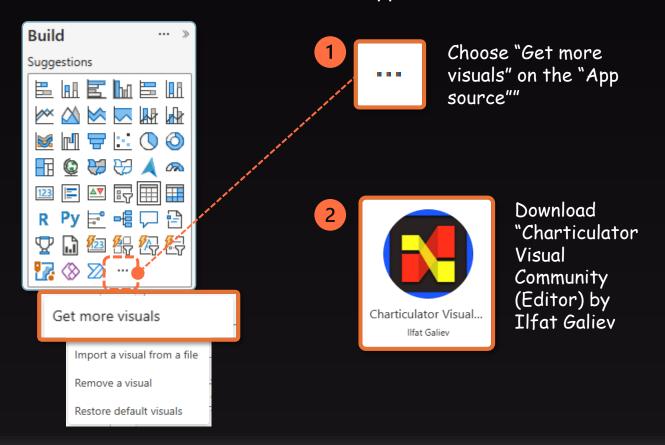




Download Charticulator PowerBI Visual App



Download the Charticulatar Visual app for PowerBI



Start with PowerBI

Create a Chord Diagramm Start a chart...



0 🕟

Choose "Charticulator" on the build pane.

Drag and drop the data fields for the chart in the data from the "Build Pane". Data Name $\times \mid \rangle$ Region $\times \mid \rightarrow$ Sum of Total $\times \mid \rangle$ Flag Name +Add data Links source id target_id \times Region Sum of Amount X > +Add data

BEXPORT data
Show as a table

X Remove
Spotlight
Sort axis
Format

New visual calculation >
Set up a verified answer

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

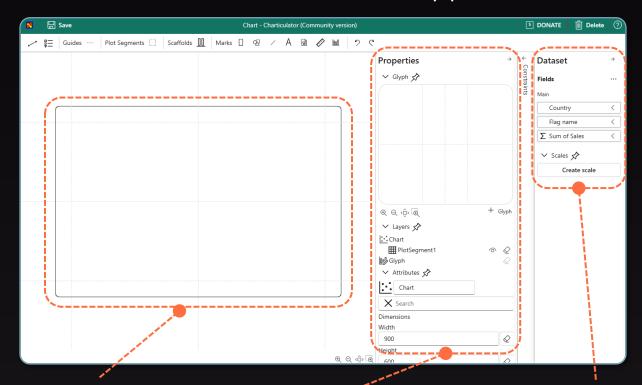
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Create a Chord Diagramm About Charticulator screen



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



Result screen, all the transformations appear here

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"From Rookie to Rock"

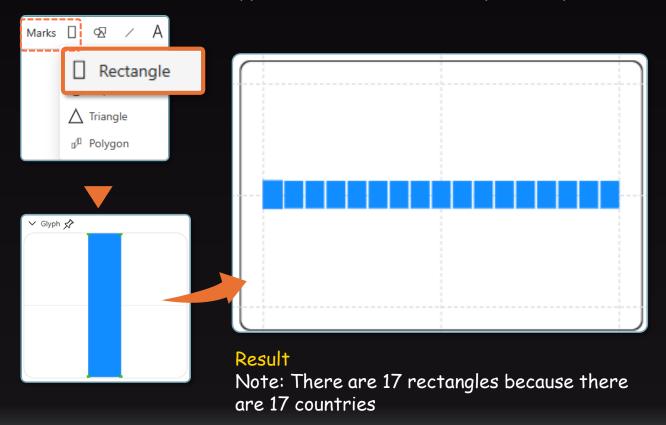
Properties and Glyphs Panel, this is the graphics generator Dataset pane, data selected in PowerBI appear here



Create a Chord Diagramm Main form



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



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"From Rookie to Rock"

Create a Chord Diagramm

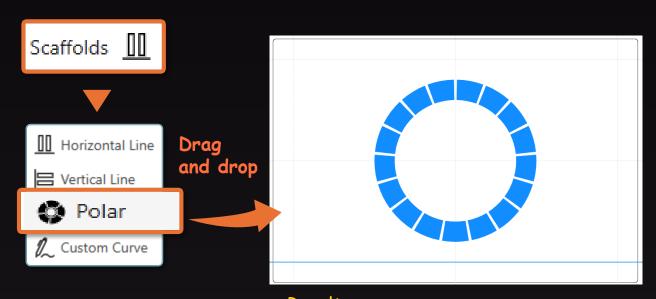
2

Create a Chord Diagramm

Transform Bar Chart into Radial Bar Chart



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



Result:

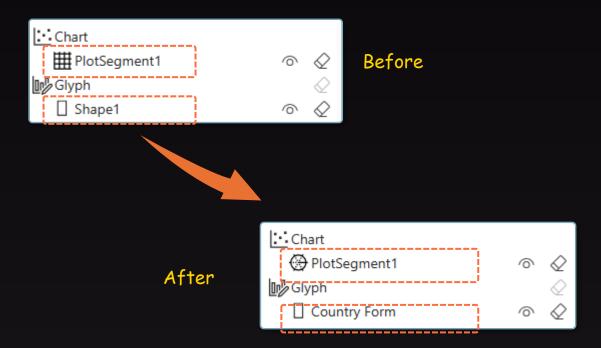
Bar Chart are transformed into a Radial Bar Chart



Create a Chord Diagramm Rename created objets



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

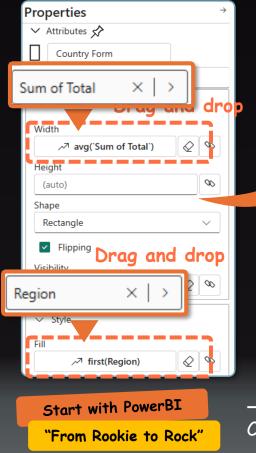


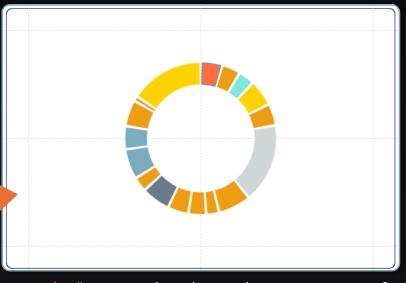
2

Create a Chord Diagramm Transformation of the Rectangle



Drag and drop the fields "Sum of Total" from the "dataset pane" in the field "Width" in the attributes part of the field "Country Form", and "Region" in "Fill".





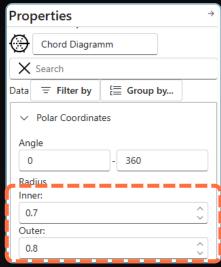
Result: "Rectangles" have the proportion of the provided data.

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

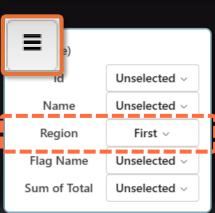


Create a Chord Diagramm Chart settings





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





Result:

The radial bar chart becomes thinner and the colors are organized by region

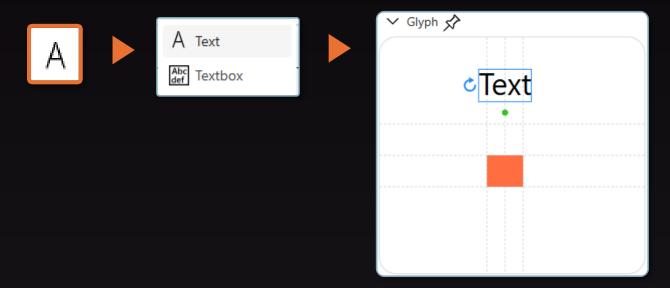
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Create a Chord Diagramm Add "Country Name" (1/2)



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.



Create a Chord Diagramm Add "Country Name" (2/2)



Properties			
✓ Attributes			
Α	A Country Name		
X Search			
∨ General			
Text			
\$	{first(Name)}		00
Font			
S	egoe UI Semibold	\Diamond	00
Size			
14	4	\Diamond	00
Visibility			
	Conditioned by	♦	00
✓ Anchor & Rotation			
Anchor X 등 명			
Margin			
45 🗘			
Anchor Y 00 00			
Rotation			
90			
gnore polar coordinate rotation			
∨ Style			
Color			
	√7 first(Region)	\Diamond	00

Rename "Text1" in "Country Name", Change the settings in the attributes.



Result

"Country" label appear into the Radial Bar Chart

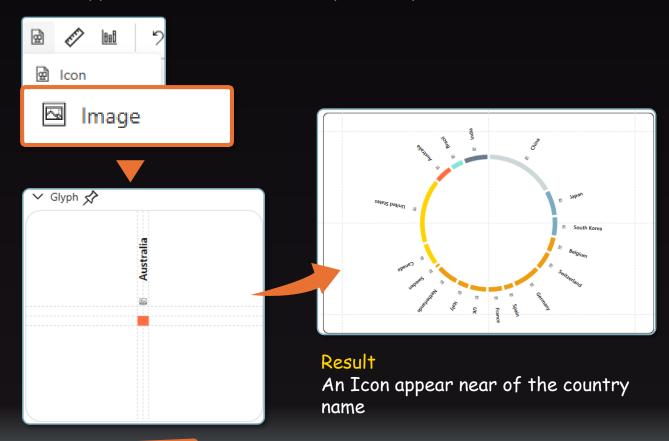
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Create a Chord Diagramm Add "Country Flag" (1/3)



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



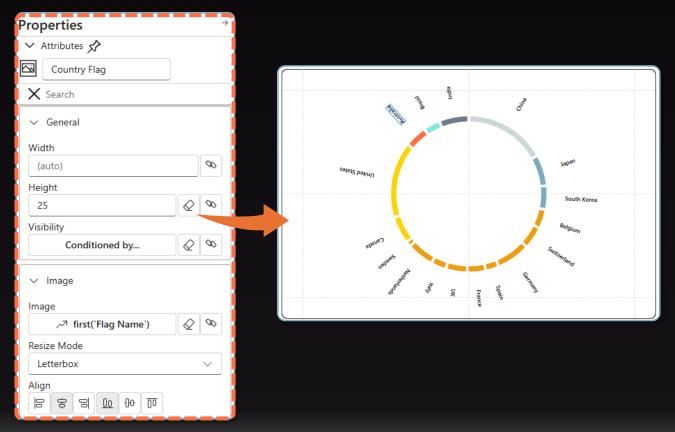
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Create a Chord Diagramm Add "Country Flag" (2/3)



Rename "Image1" in "Country Flag", Change the settings in the attributes.



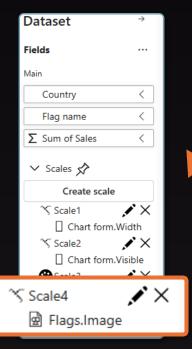
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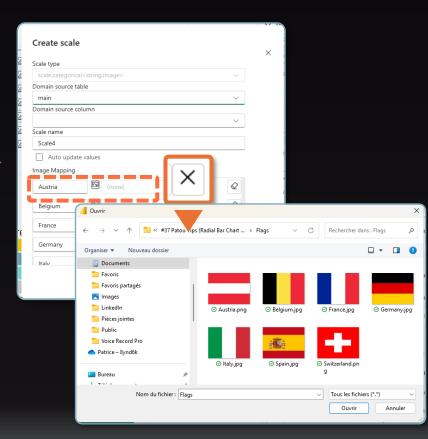


Create a Chord Diagramm Add "Country Flag" (3/3)



In the dataset pane, select the flag object and assign a flag file (png format) to each country.





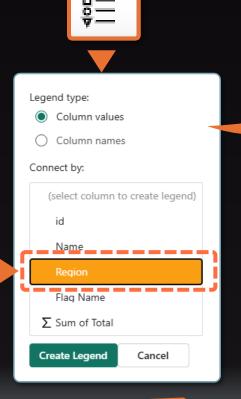
Start with PowerBI



Create a Chord Diagramm Add "Legend"



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





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

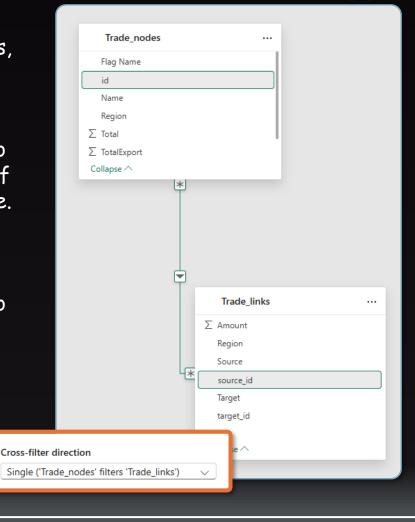
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2

Create a Chord Diagramm Modelisation of the Link



Before creating the links between countries, it is important, when modeling, to link the "Id" field of the "Trade_nodes" table to the "source_id" field of the "Trade_links" table. Also apply a "many to many" cardinality with filtering from the "Trade_nodes" table to "Trade_links".



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Cardinality

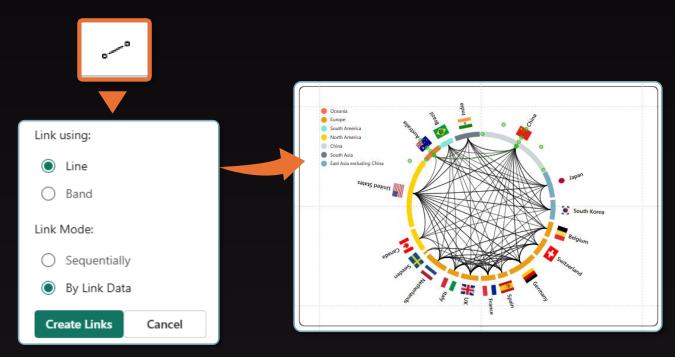
Many to many (*:*)



Create a Chord Diagramm Create lines of the Link



From the "Link" menu, choose "Line" and "By Link Data" (cf. modelisation)



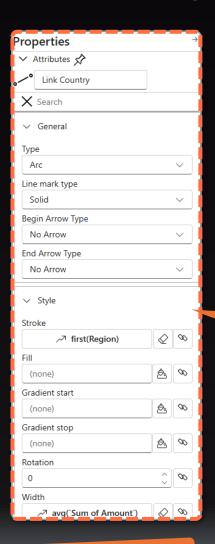
Result
Links appear between countries

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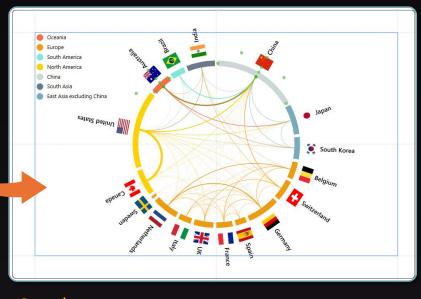


Create a Chord Diagramm Link settings





Rename "Link1" to "Link Country", modify its parameters in its attributes.



Result

The links have the region's color, and the link width reflects the data weight.

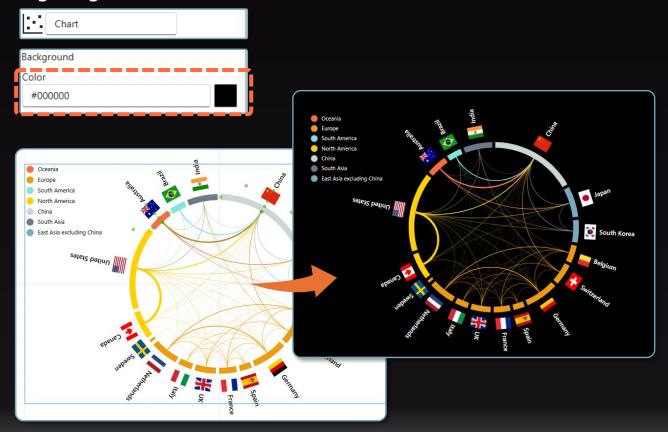
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Create a Chord Diagramm Background color



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

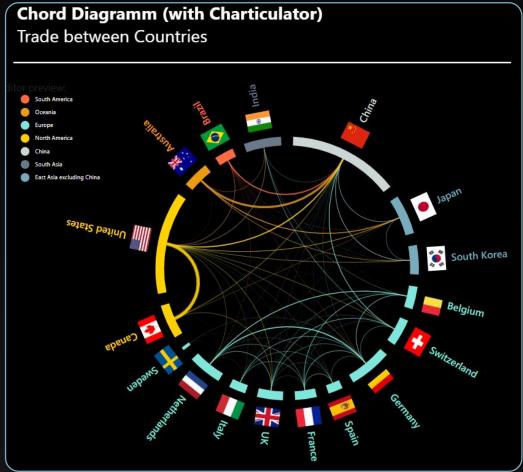




Create a Chord Diagramm

That's all folks!



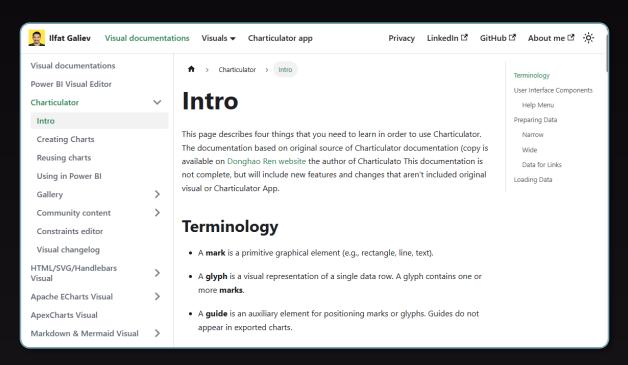




Charticulator To go further...



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



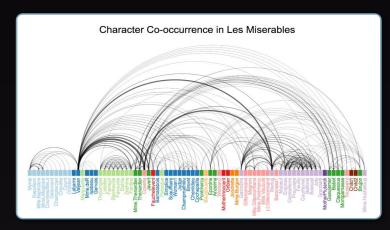
https://ilfat-galiev.im/docs/charticulator/intro/

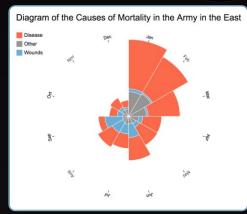


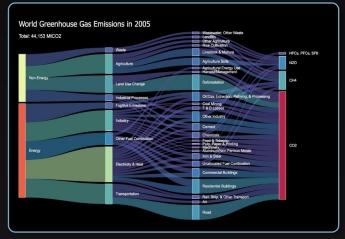
Charticulator

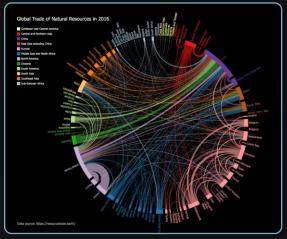
To go further...











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

Start with PowerBI

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 #23
Quick Guide Visualization &
Storytelling



Resources on GitHub https://github.com/Patou Tips/Patou-Tips Don't forget!
This isn't the truth, it's just my truth!

Patou Tips



