

Start with PowerBI

"From Rookie to Rock"

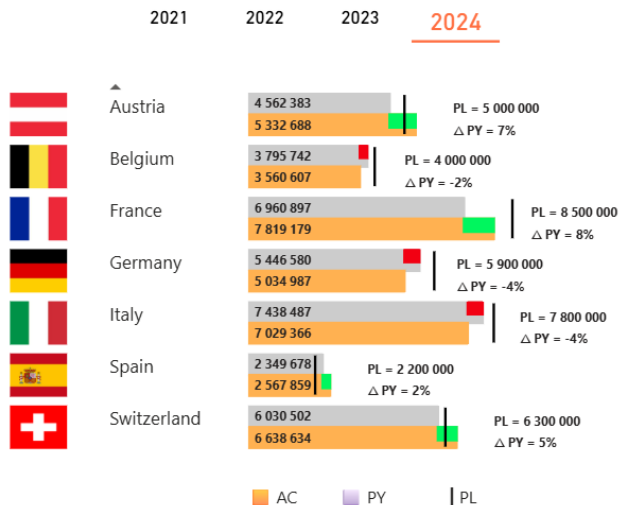


Step by step

Create a bar chart in IBCS style

Bar Chart IBCS Style

IceCream'Macaron Sales Store



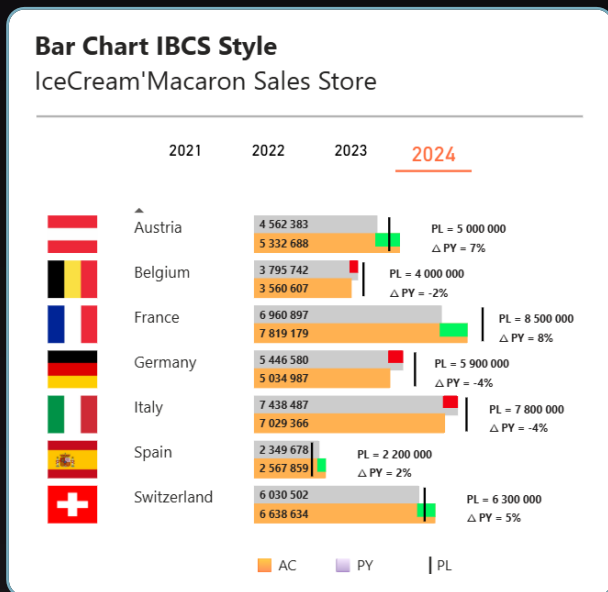
Patou Tips #36

About the project...



The IBCS standard is a very useful guide for simply communicating results, particularly financial results.

This guide provides all the explanations and step-by-step SVG code to create a bar chart in the style of the IBCS standard.



Resources on GitHub

[Patou-Tips/#36 Patou Tips](#)
(Create a bar chart in IBCS style) at main ·
[PatouTips/Patou-Tips](#)



Start with PowerBI

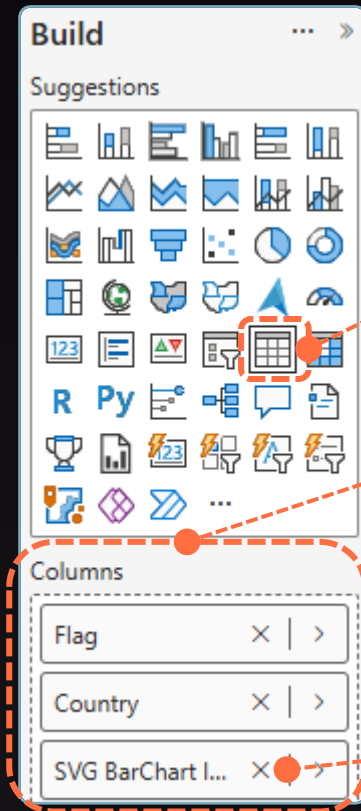
"From Rookie to Rock"

Create a bar chart in IBCS style



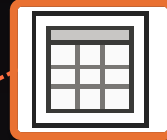
1

Visualization Setting



1

Choose "Table visual"

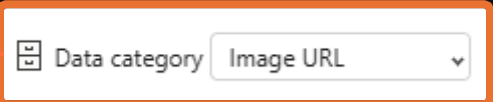


2

Feed with dimension value and measure

3

Change the data category of the measure that contains the SVG code



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2

"SVG BarChart IBCS Style" measure Step by step

- 1 Prepare all the useful values for the graph, such as the result value, but also the label of these results and the width of the graph.

```
1 SVG BarChart IBCS Style =  
2 VAR AC_Label= FORMAT([AC],"#,##0")  
3 VAR PY_Label= FORMAT([PY],"#,##0")  
4 VAR PL_Label= FORMAT([PL],"#,##0")  
5  
6 VAR Max_Value = [MAX Value]*1.4 // Bar Chart Width  
7  
8 VAR AC_Part = ROUND((DIVIDE([AC],Max_Value,0)*100),0)  
9 VAR PY_Part = ROUND((DIVIDE([PY],Max_Value,0)*100),0)  
10 VAR PL_Part = ROUND((DIVIDE([PL],Max_Value,0)*100),0)  
11 VAR Delta_AC_vs_PY = AC_Part-PY_Part  
12  
13 VAR Position_WrapUp_Label = IF(AC_Part> PY_Part,AC_Part,PY_Part)+10  
14
```

Label in
destination
format

Graphic
width,
modulated
by the value
"1.4"

Part of the Graphic width of each metric (AC, PY, PL)
Transforming a proportion of a metric as a % of the maximum
of these metrics over the selected period.

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2

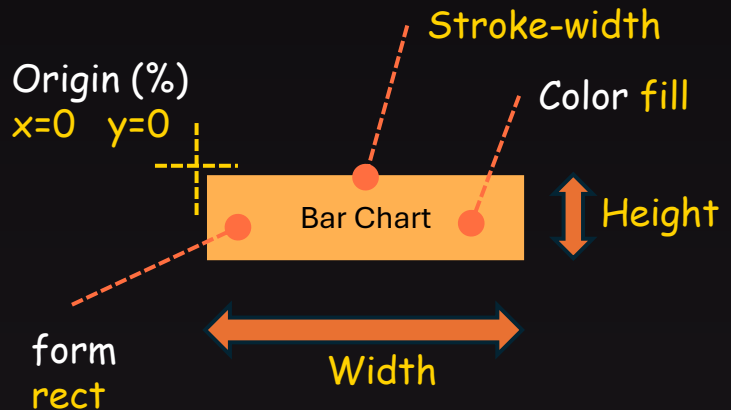
"SVG BarChart IBCS Style" measure Step by step

- 2 SVG code for language interpretation: Code to write (always the same) so that PowerBI can interpret the SVG language

```
15 RETURN  
16 "data:image/svg+xml;utf8," & "<svg xmlns='http://www.w3.org/2000/svg'  
17 xmlns:xlink='http://www.w3.org/1999/xlink'>
```

3 Bar Chart code

```
<rect  
  x='0'  
  y='50%'  
  width='"& AC_Part &"%'  
  height='50%'  
  fill='#FFB151'  
  stroke-width='2'  
  stroke='#FFB151' />
```



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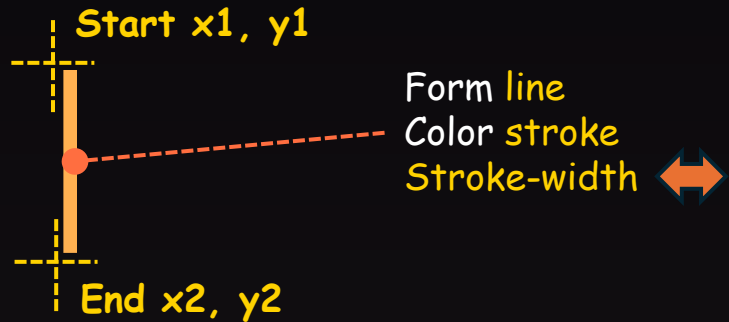


2

"SVG BarChart IBCS Style" measure Step by step

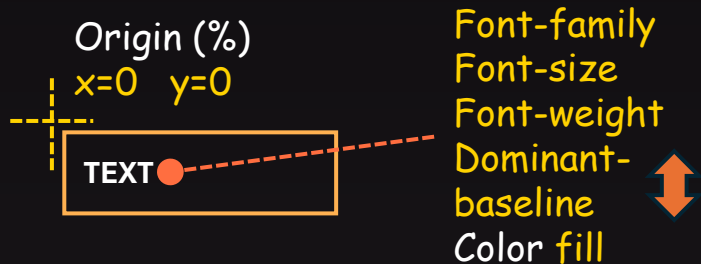
4 Line chart code

```
<line  
  x1="" & PL_Part & "%"   
  y1='5%'   
  x2="" & PL_Part & "%"   
  y2='95%'   
  stroke='#000000'   
  stroke-width='2' />
```



5 Label code

```
<text  
  x='5'  
  dx='0'  
  y='85%'   
  font-family=""Segoe UI""   
  font-size='10'  
  font-weight='bold'  
  dominant-baseline='auto'  
  fill='#242222' >  
  " & AC_Label & "
```



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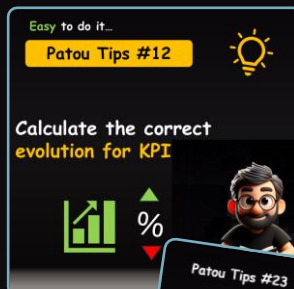
6

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



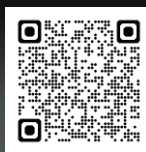
Patou Tips #6
Create
Customized Icon



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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