

# RAWGRAPHS

The missing link between spreadsheets  
and data visualization.

1.

Go to <https://rawgraphs.io/> and click  
“use it now”

Data Wrapper is an open Source  
data vizualisation tool, that doesn't  
require you to know how to code!

# RAWGraphs

The missing link between spreadsheets and data visualization.


USE IT NOW!


FORK IT ON GITHUB!


2.


First you need data: you can import them from an excel sheet or copy paste them. To start we will use “try out your samples” and select “biggest cities per continent”.

**Load your data**

 Paste

 Upload a file

 From URL

 Try our samples

**Movies**  
Dispersions

**Biggest cities per continent**  
Distributions

**Animal kingdom**  
Hierarchies

**Orchestras**  
Hierarchies (weighted)

**Most frequent letters**  
Matrix (narrow)

**Titanic's passengers**  
Multi categorical

**Cars**  
Multivariate

**Countries GDP**  
Other

**Lineup**  
Time chunks

**Music industry**  
Time Series

3.

Our data should look somewhat like this, go through it and check that everything looks good.

### Load your data

- Paste
- Upload a file
- From URL
- Try our samples

Continent	Country	City	Population
Europe	Turkey	Istanbul	14025646
Europe	Russia	Moscow	12330126
Europe	United Kingdom	London	8673713
Europe	Russia	Saint Petersburg	5225690
Europe	Germany	Berlin	3562166
Europe	Spain	Madrid	3165235
Europe	Ukraine	Kiev	2909491
Europe	Italy	Rome	2874038
Europe	France	Paris	2241346
Europe	Belarus	Minsk	1040400

👍 50 records in your data have been successfully parsed!

Your data seems ready to go. But if you want to stack it anyway, click here

Select a dimension to stack on ▾

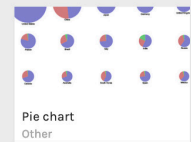
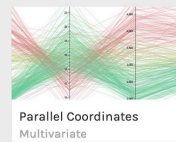
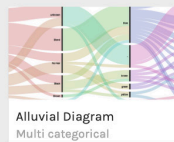
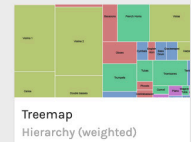
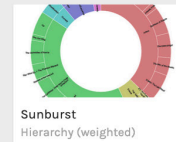
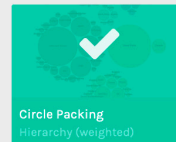
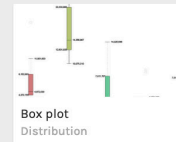
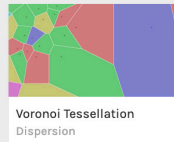
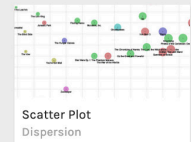
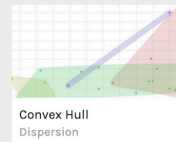
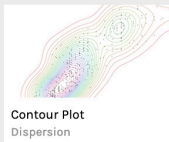
4.

Think of how you would like to visualize the data. There are lots of types of charts you can use: we will start with a “circle packing”

**Circle Packing**  
Hierarchy (weighted)



Nested circles allow to represent hierarchies and compare values. This visualization is particularly effective to show the proportion between elements through their areas and their position inside a hierarchical structure.  
Based on <http://bl.ocks.org/mbostock/4063530>



## 5.

What do you want to visualize where?

- on the left are your values you can see the name and on the right what type of data there is: string (i.e. words), number or dates
- on the right is what you can map them to (here is it always explained if they have to be numbers, strings or dates you can use)
- start with the one with the star, it's the mandatory one!

The screenshot shows a user interface for mapping dimensions to visual encodings. On the left, under the heading "Map your Dimensions", there is a list of dimensions: "Continent string", "Country string", "City string", and "Population number", each with a right-pointing arrow. On the right, there are three visual encoding cards: "Hierarchy" (with a star icon and instruction "Drag numbers, strings, dates here"), "Size" (with instruction "Drag numbers here"), and "Color" (with instruction "Drag numbers, strings, dates here"). The "Hierarchy" card contains a "City string" entry with a close button. The "Size" card contains a "Population number" entry with a close button. The "Color" card contains a "Country string" entry with a close button. Below the "Hierarchy" card is a "Label" card with the instruction "Drag numbers, strings, dates here". Three arrows originate from the text in the green box: one points to the "City string" entry in the Hierarchy card, another points to the star icon on the Hierarchy card, and a third points to the "Population number" entry in the Size card.

Map your Dimensions

- Continent string →
- Country string →
- City string →
- Population number →

**Hierarchy**  
Drag numbers, strings, dates here  
City string ×

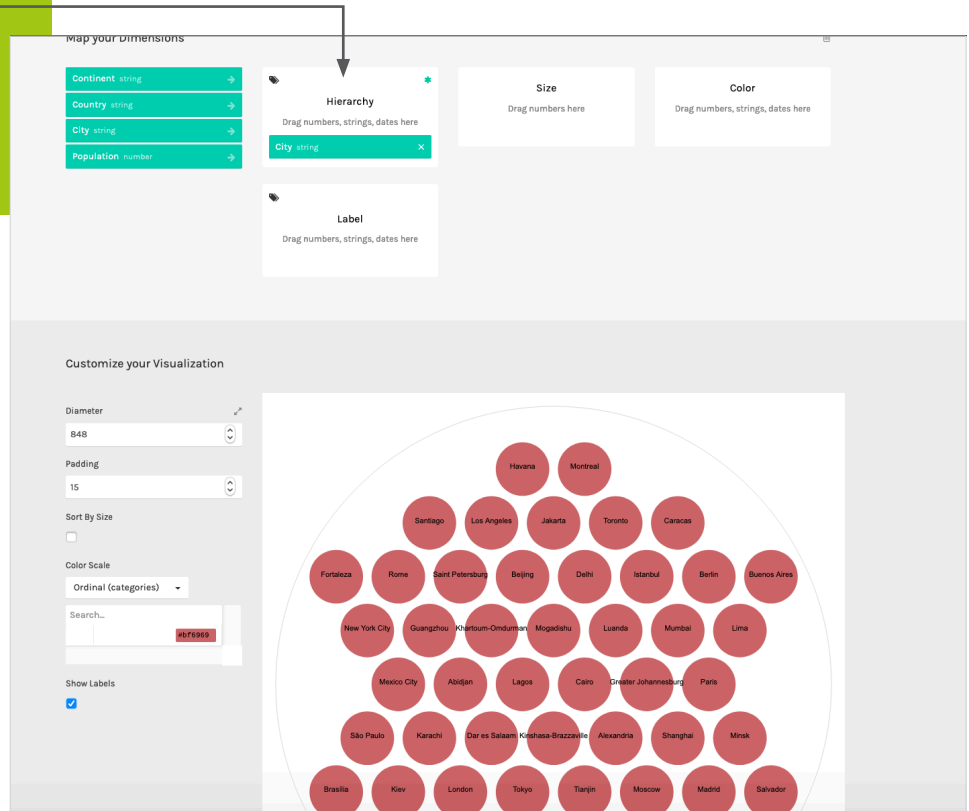
**Size**  
Drag numbers here  
Population number ×

**Color**  
Drag numbers, strings, dates here  
Country string ×

**Label**  
Drag numbers, strings, dates here

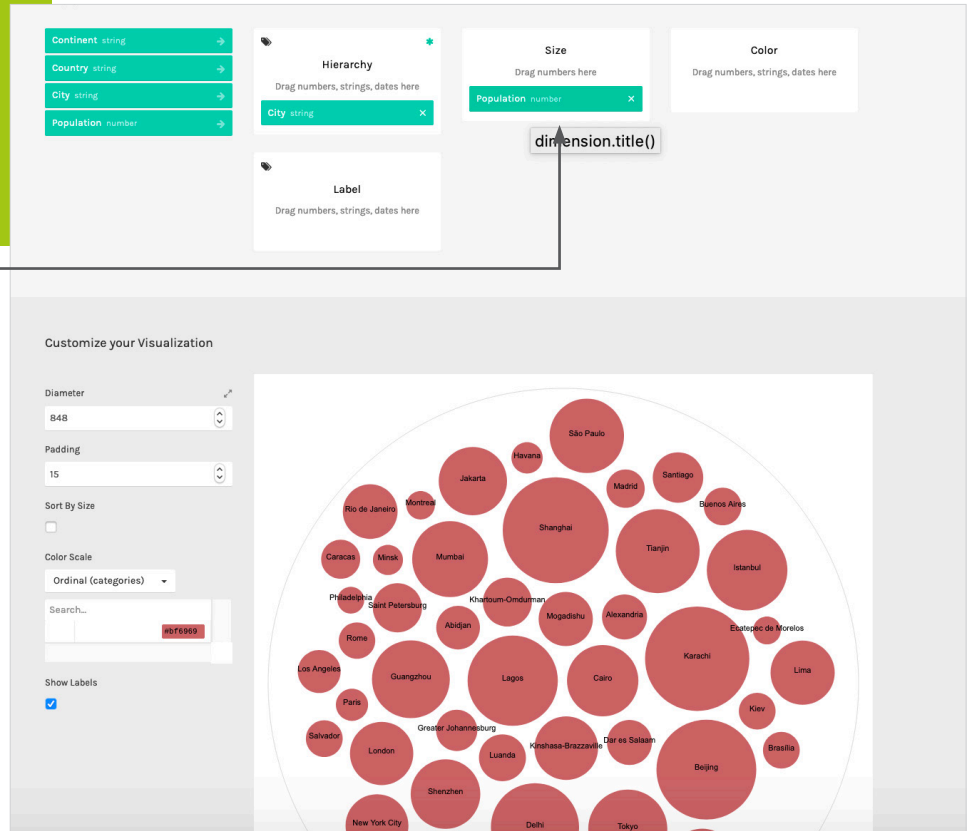
6.

To start with map city (string) as hierarchy. You should now see all the biggest cities in europe visualized in circles underneath.



7.

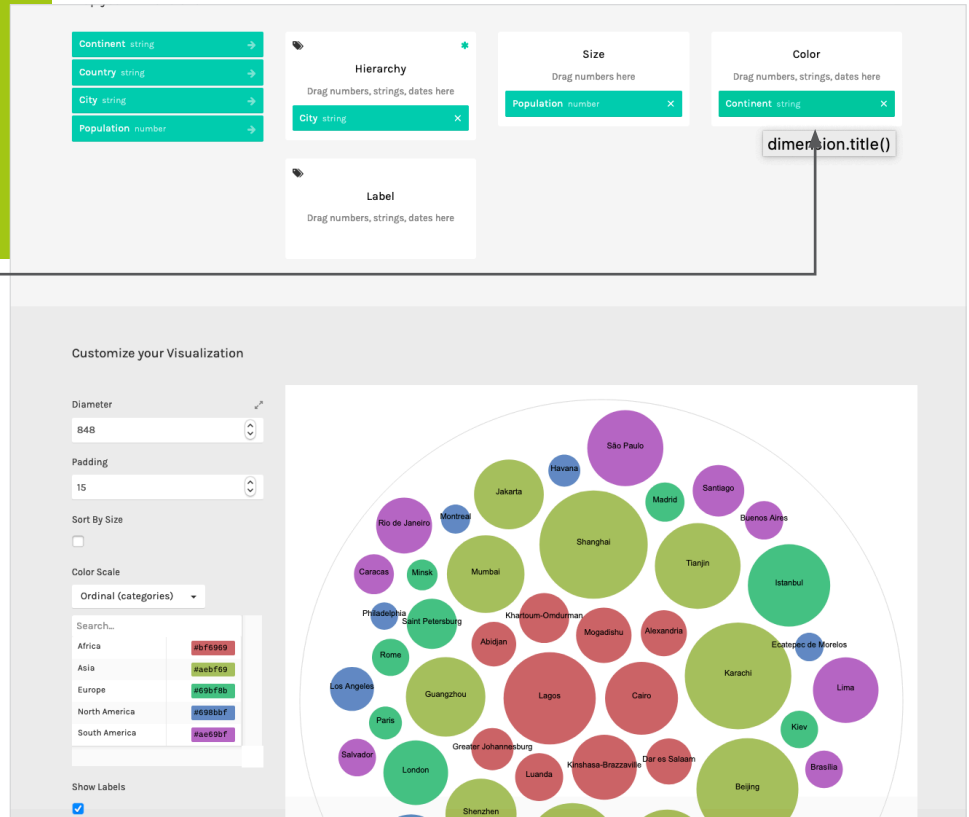
Now we want to visualize the different sizes of the city. Therefore we want to map the Population to Size (drag and drop)





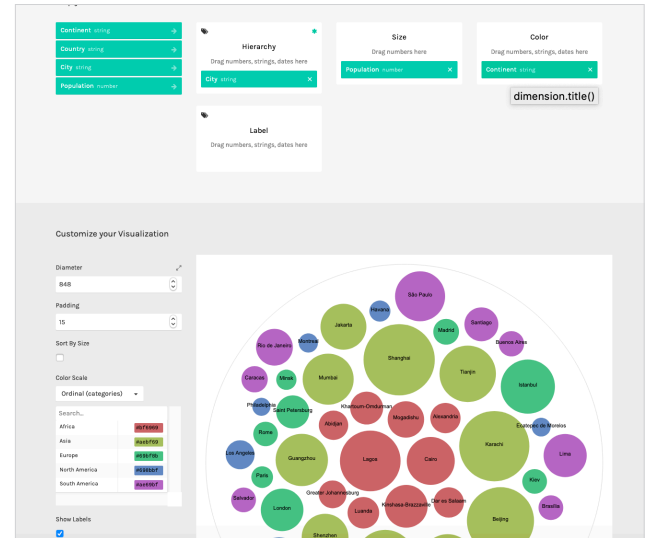
8.

Let's have it colorful! We would like to see in which continent the biggest cities in the world are! Therefore: map (drag and drop) the continent to the color!



9.

We have a pretty visualisation!  
What is left is only to save it!



Download

</> Embed SVG Code

Choose type

Vector graphics (svg)

Image (png)

Data model (json)

```
<svg width="848" height="848" xmlns="http://www.w3.org/2000/svg"><g transform="translate(10,10)"><g><circle class="node node--root" transform="translate(414,414)" r="414" style="fill-opacity: 0; stroke: rgb(221, 221, 221); stroke-opacity: 1;"></circle><circle class="node node--leaf" transform="translate(342.97283937924425,409.9893046204767)" r="63.256279969440975" style="fill: rgb(191, 105, 105); fill-opacity: 1; stroke: rgb(221, 221, 221); stroke-opacity: 0;"></circle><circle class="node node--leaf" transform="translate(469.1423659618211,409.9893046204767)" r="50.843000000000004" style="fill: rgb(191, 105, 105); fill-opacity: 1; stroke: rgb(221, 221, 221); stroke-opacity: 0;"></circle></g></g></svg>
```

Copy the snippet above into your HTML code to embed the visualization

10.

Now is your turn to play around! Try using different charts and play around with the parameters: we have try bar chart, pie chart and treemap. Guess which one we used for this one?

