KANTAR
Information Is Beautiful Awards
Winner

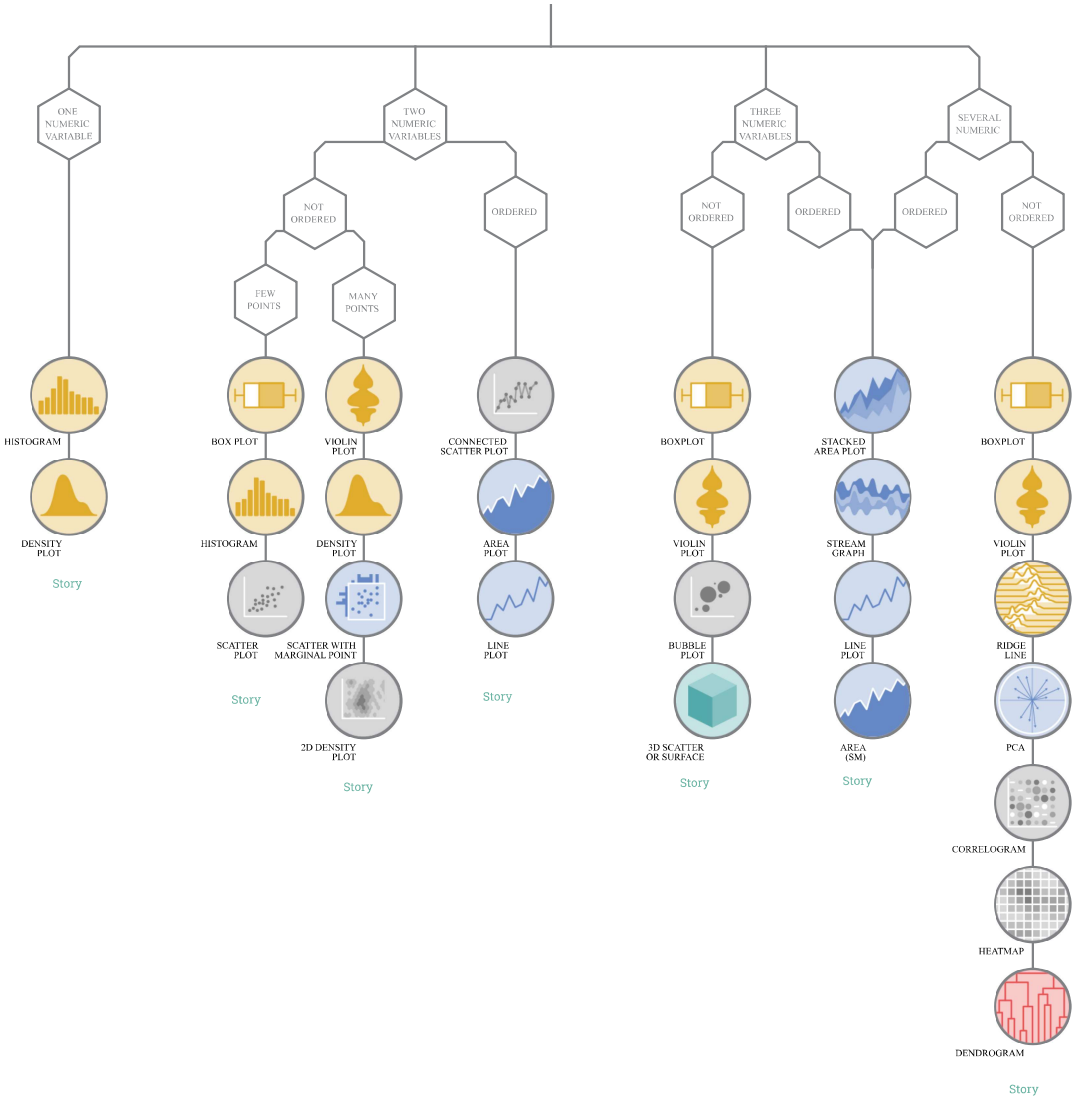
from Data to Viz

From Data to Viz leads you to the most appropriate graph for your data. It links to the code to build it and lists common caveats you should avoid.

EXPLORE

What kind of data do you have? Pick the main type using the buttons below. Then let the decision tree guide you toward your graphic possibilities.

Numeric | Categoric | Num & Cat | Maps | Network | Time series



DATA STORY

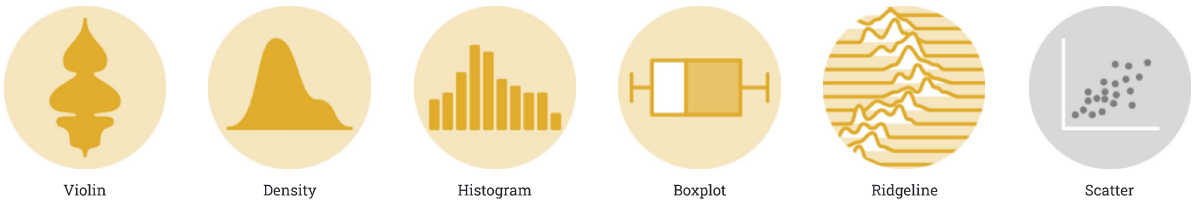
From Data to Viz provides a decision tree based on input data format. This tree leads to twenty formats representing the most common dataset types. For each, an example of analysis based on real-life data is provided using the R programming language.

Numeric | Categoric | Num & Cat | Maps | Network

A WORLD OF POSSIBILITIES

Here is an overview of all the graph types presented in this website.

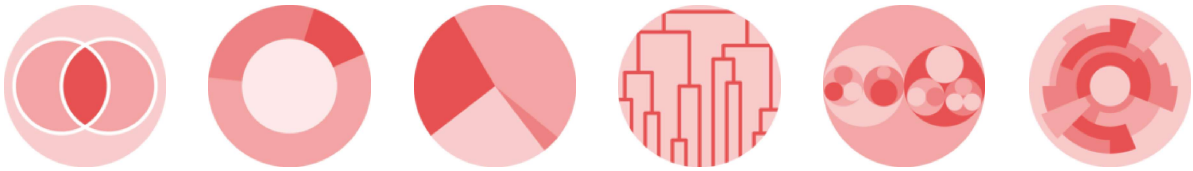
Show all | Distribution | Correlation | Ranking | Part of a whole | Evolution | Map | Flow



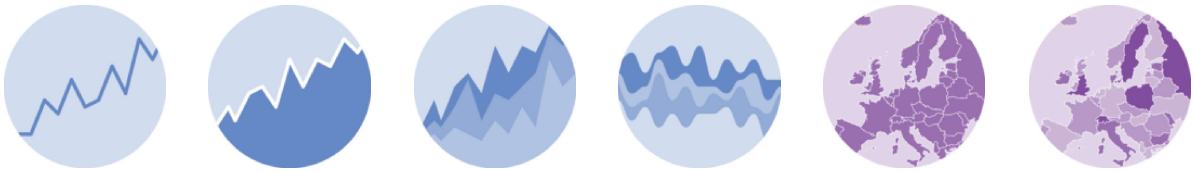
Violin | Density | Histogram | Boxplot | Ridgeline | Scatter

Heatmap | Correlogram | Bubble | Connected scatter | Density 2d | Barplot

Spider / Radar | Wordcloud | Parallel | Lollipop | Circular Barplot | Treemap



Venn diagram | Doughnut | Pie chart | Dendrogram | Circular packing | Sunburst



Line plot | Area | Stacked area | Streamchart | Map | Choropleth

Hexbin map | Cartogram | Connection | Bubble map | Chord diagram | Network

Sankey | Arc diagram | Edge bundling

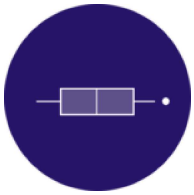
CAVEATS

The best way to visualize data efficiently is probably to avoid the most common mistakes.

From Data to Viz offers you a gallery of common caveats.

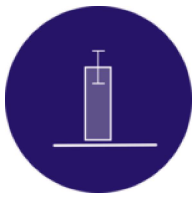
Play with histogram bin size

Always try different bin sizes when you build an histogram, it can lead to different insights.



Do boxplots hide information?

A boxplot is a great way to summarize a distribution but it hides the sample size and data distribution.



The problem with error bars

Barplots with error bars must be used with great care. Learn why and how to replace them.

Too many distributions

If you need to compare the distribution of many variables, don't clutter your graph.

SEE THE COLLECTION

POSTER

The 'Data to Viz' project is available in a high quality printed poster. See our online shop to support the project.

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SEE IT FULL SCREEN

ABOUT THE PROJECT

'From Data to Viz' is a classification of chart types based on input data format. It comes in the form of a decision tree leading to a set of potentially appropriate visualizations to represent your dataset. Read more.

TOOLS | ACKNOWLEDGMENT | HISTORY | FEEDBACK

This website has been developed by two friends from the south of France in their spare time. Feel free to drop us a word if the project helped you or for any feedback. Or even better, hire us!

Yan Holtz
Data analyst

Conor Healy
Designer

CONTACT

From Data to Viz is currently in beta version and any feedback is highly encouraged. You can open an issue on Github, drop us a message on Twitter, or send us an email at yan.holtz.data@gmail.com.

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