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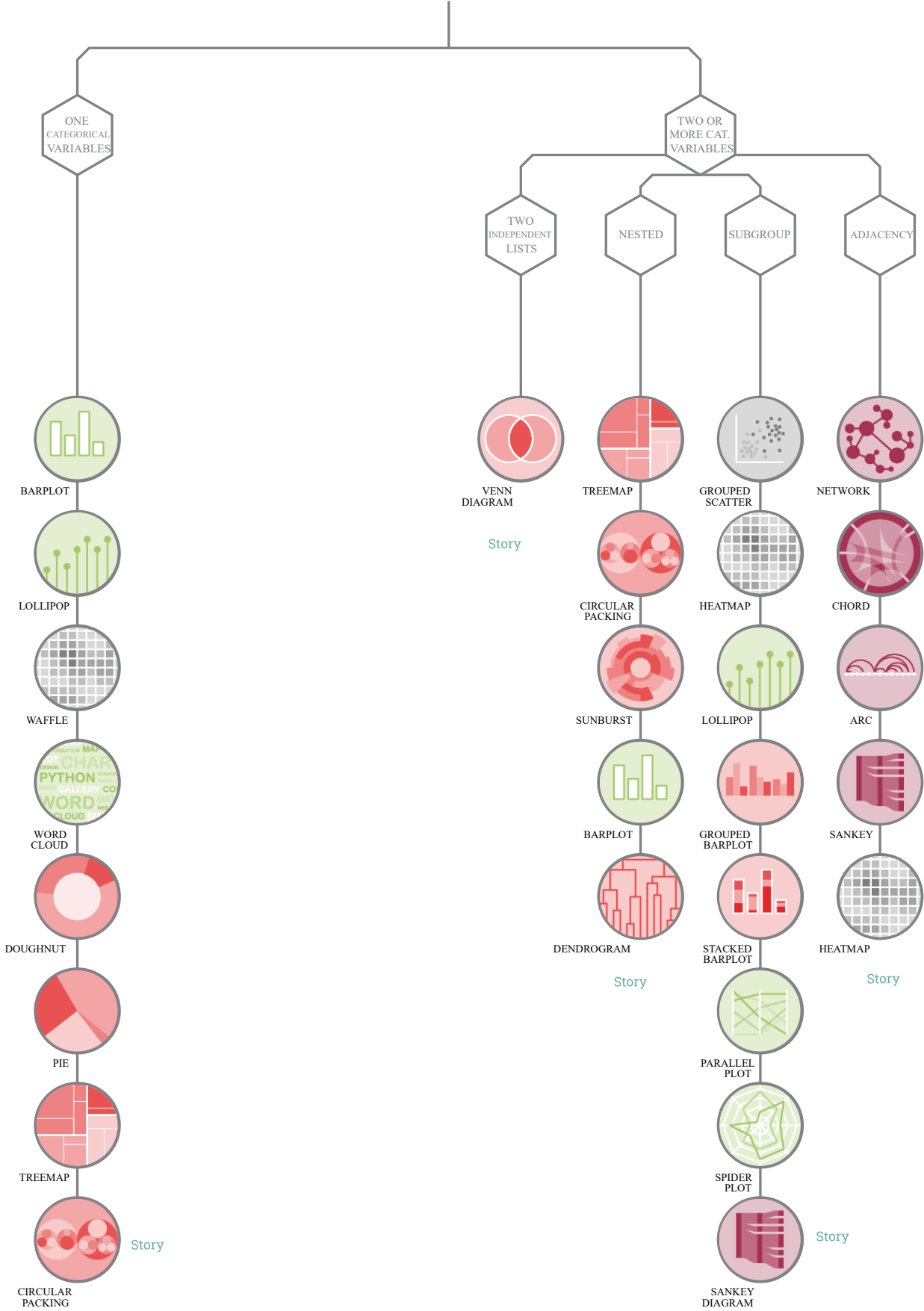
links to the code to build it and lists common caveats you should avoid.

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

ONE CATEGORICAL VARIABLES

TWO OR MORE CAT. VARIABLES

TWO INDEPENDENT LISTS

NESTED

SUBGROUP

ADJACENCY

BARPLOT

LOLLIPOP

WAFFLE

WORD CLOUD

DOUGHNUT

PIE

TREEMAP

CIRCULAR PACKING — Story

VENN DIAGRAM — Story

TREEMAP

CIRCULAR PACKING

SUNBURST

BARPLOT

DENDROGRAM — Story

GROUPED SCATTER

HEATMAP

LOLLIPOP

GROUPED BARPLOT

STACKED BARPLOT

PARALLEL PLOT

SPIDER PLOT

SANKEY DIAGRAM — Story

NETWORK

CHORD

ARC

SANKEY

HEATMAP — Story

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
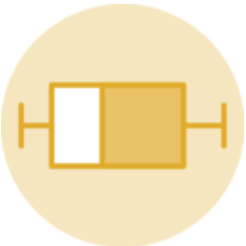
Violin

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
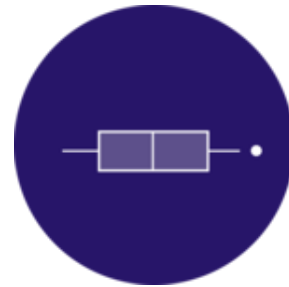
Network

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.
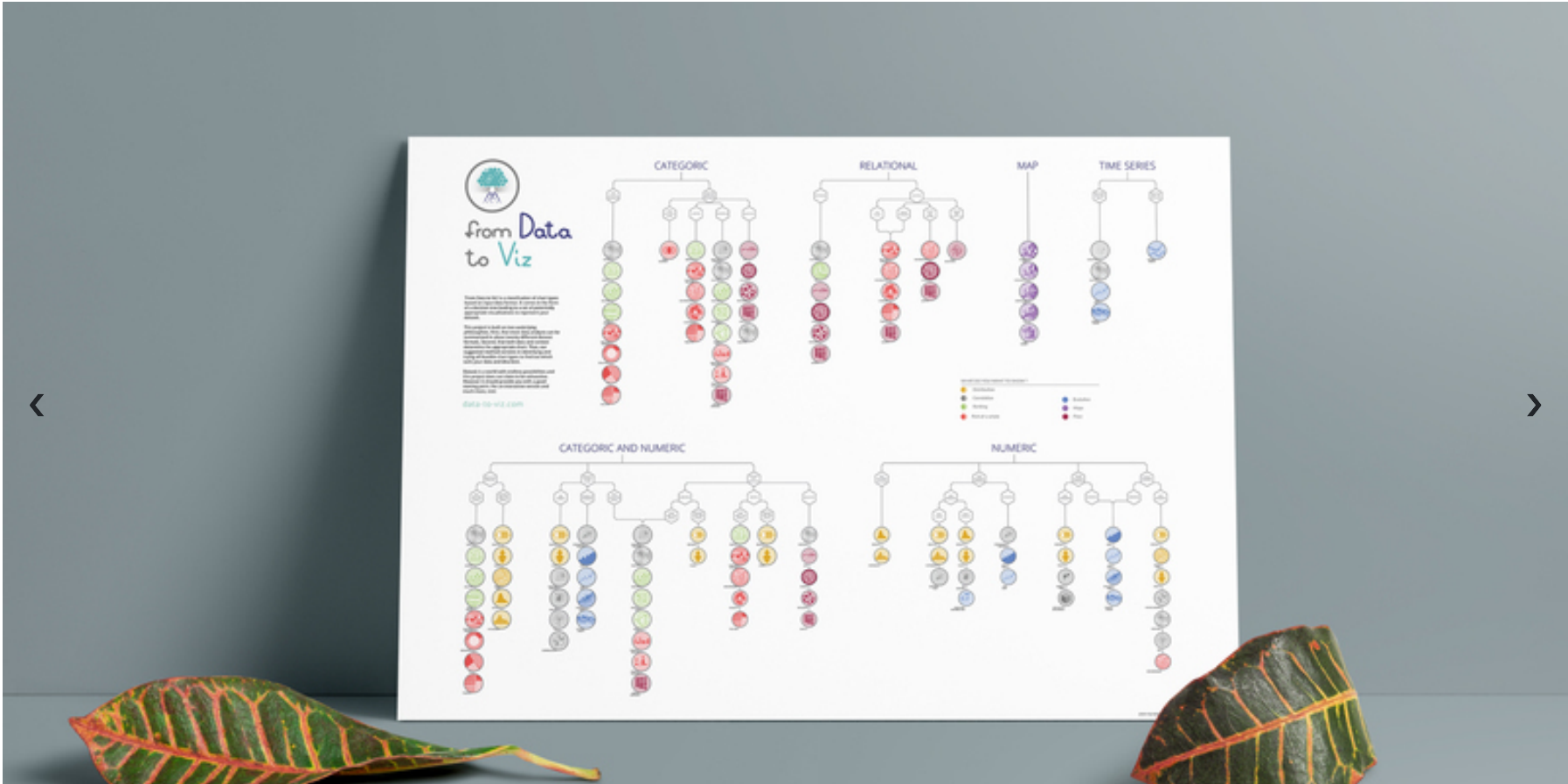
Too many distributions

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.

‹   ›

| BUY A POSTER | 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.

GITHUB   TWITTER

Copyright © from Data to Viz 2018

Privacy Policy   Terms of Use