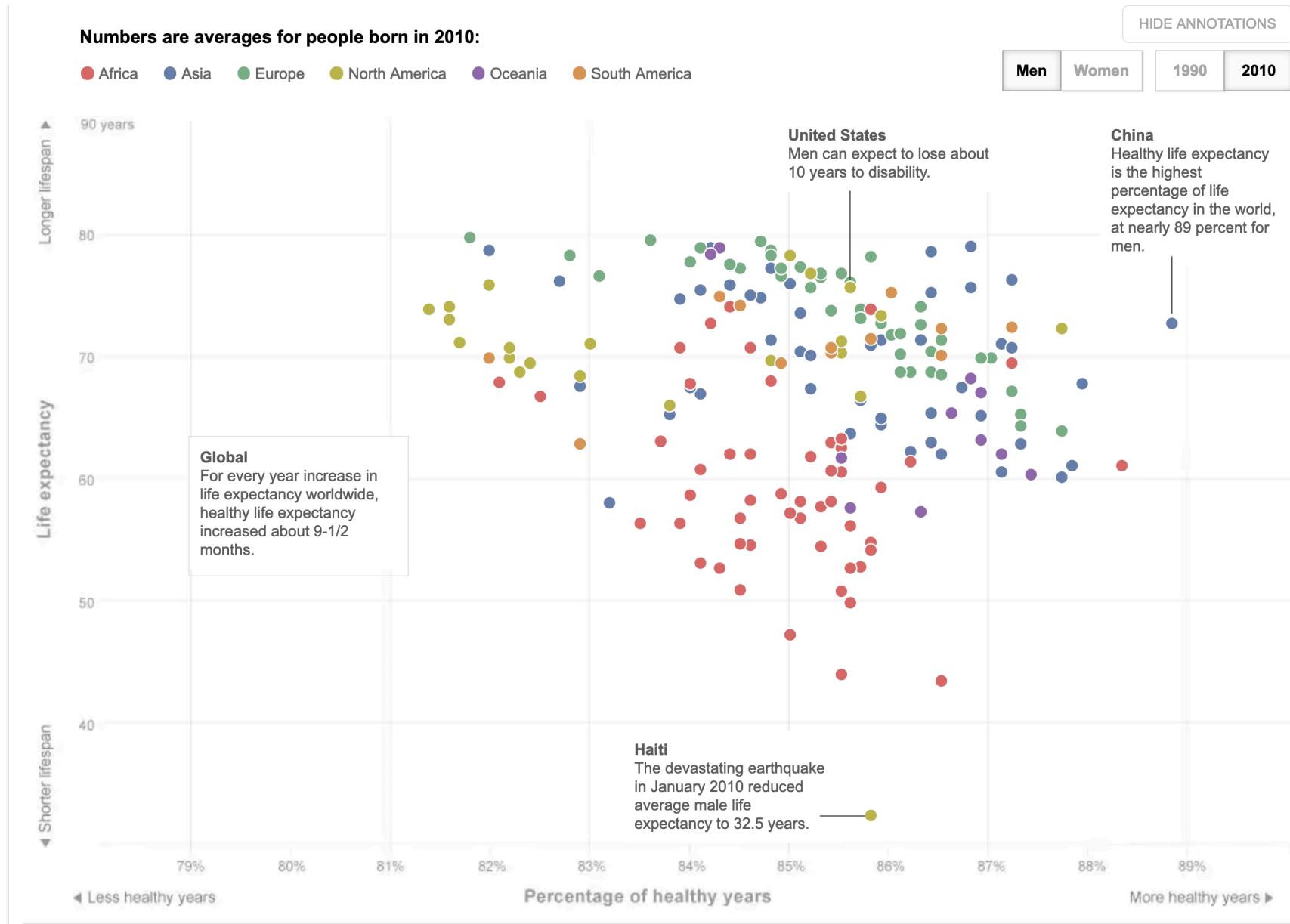
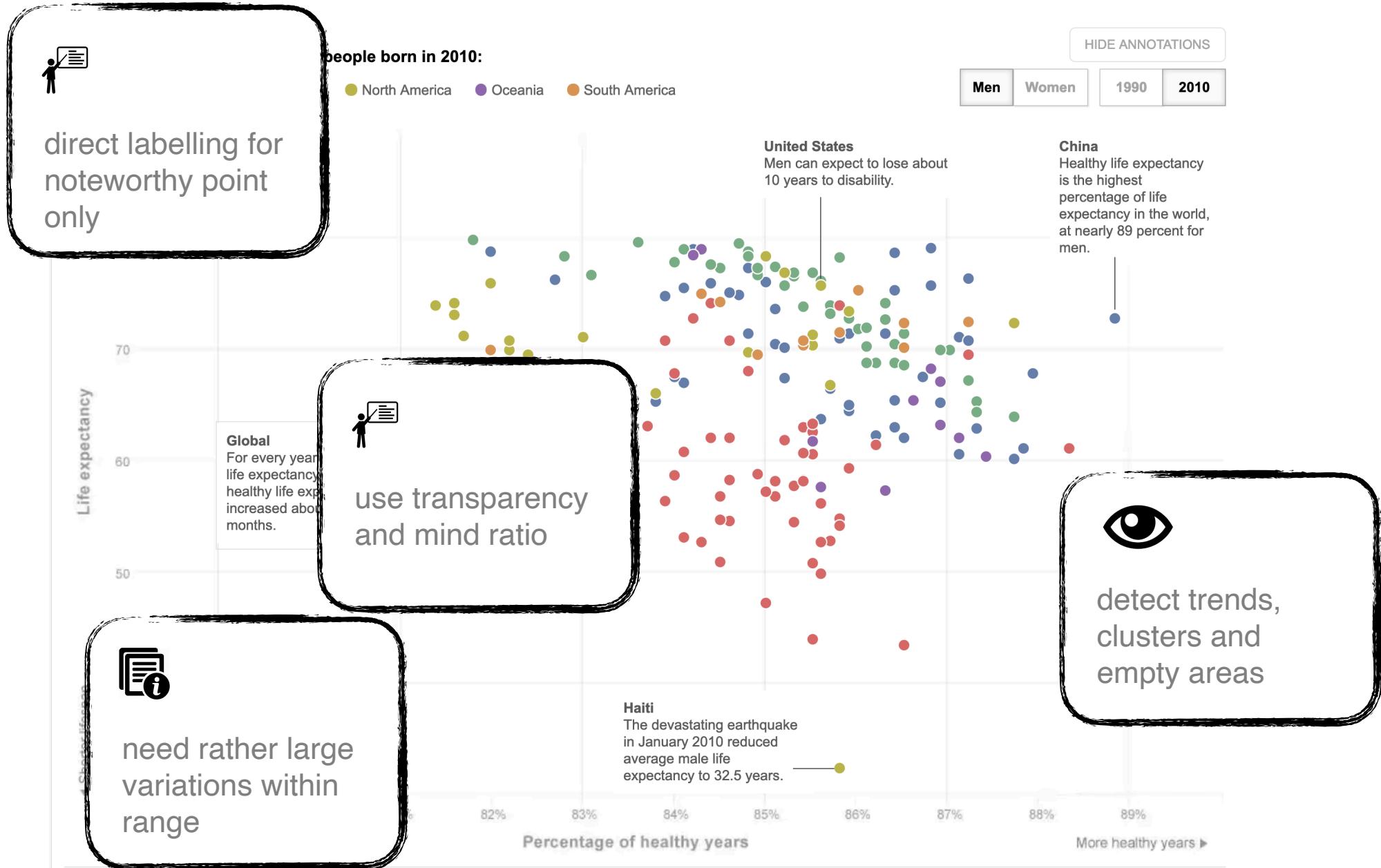


scatter plot chart



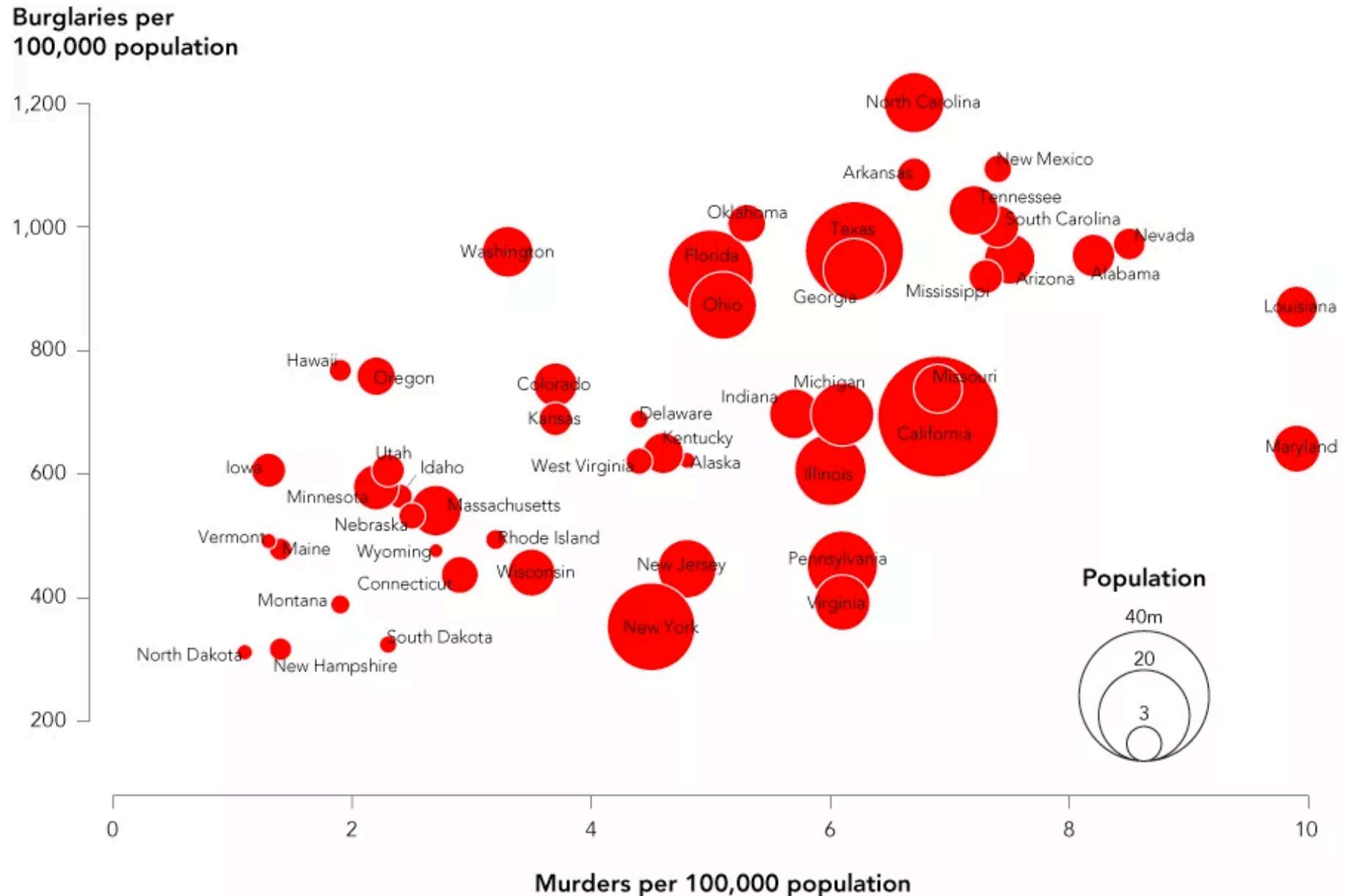
charts

scatter plot chart



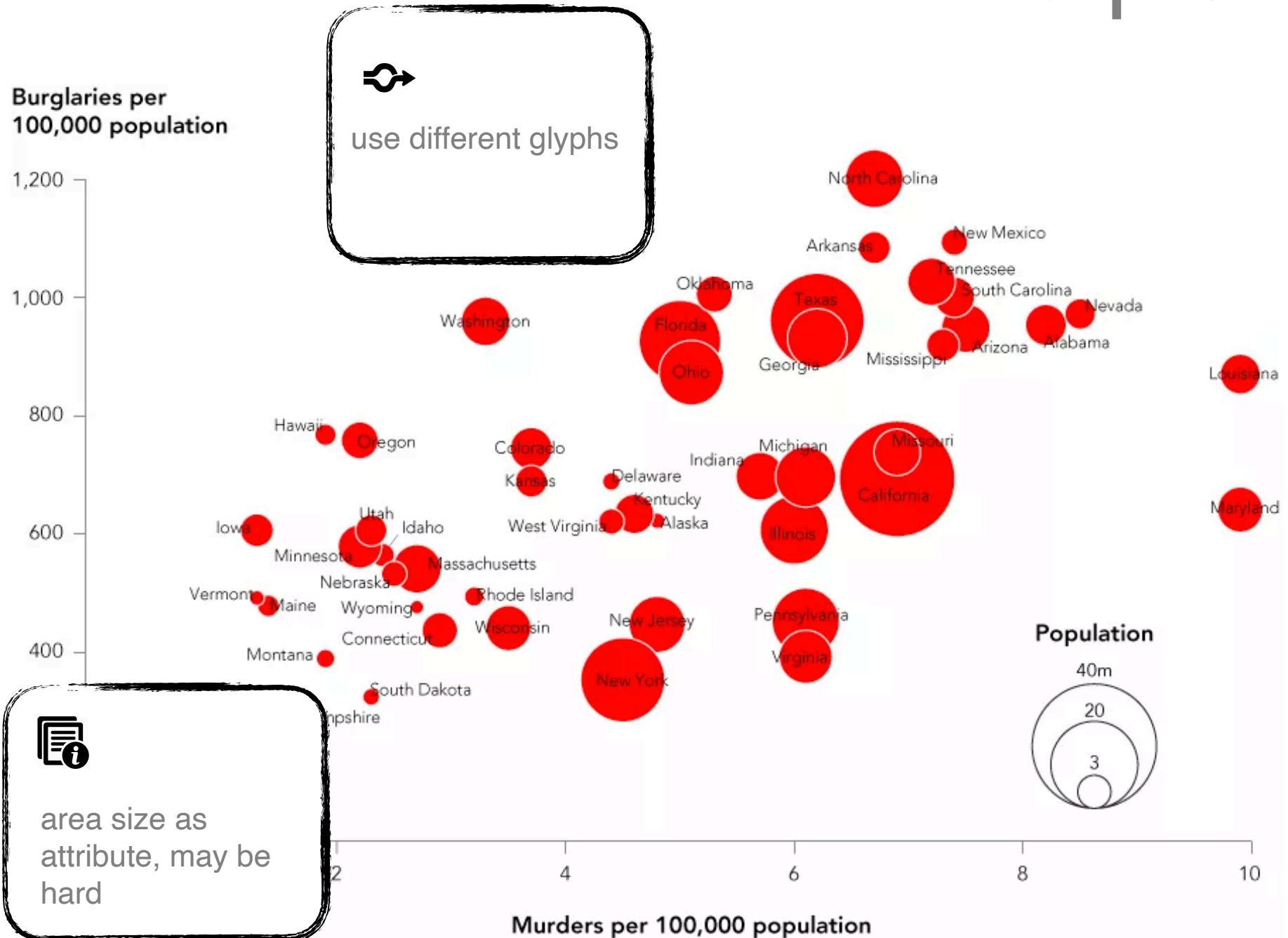
charts

bubble plot



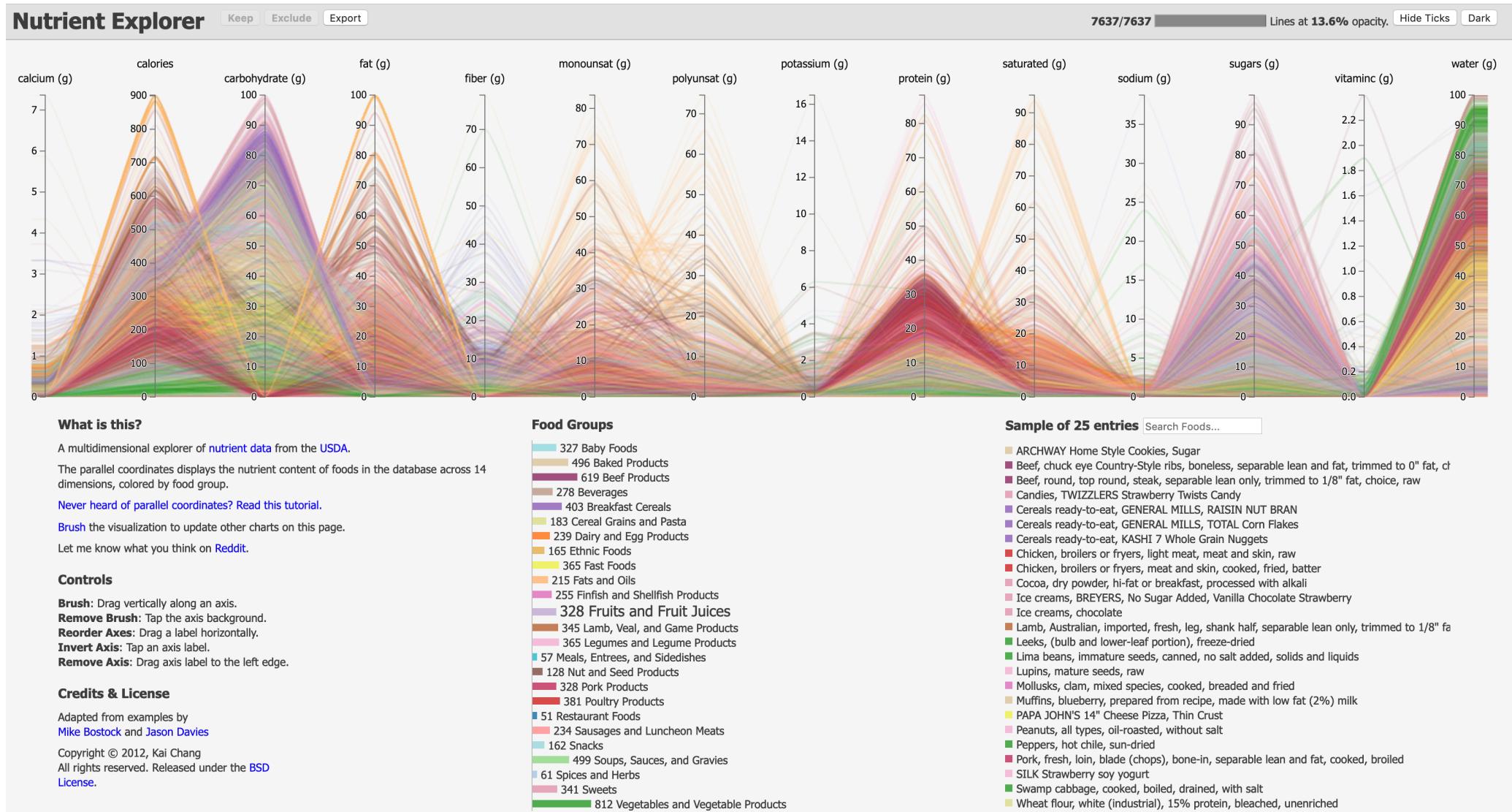
charts

bubble plot



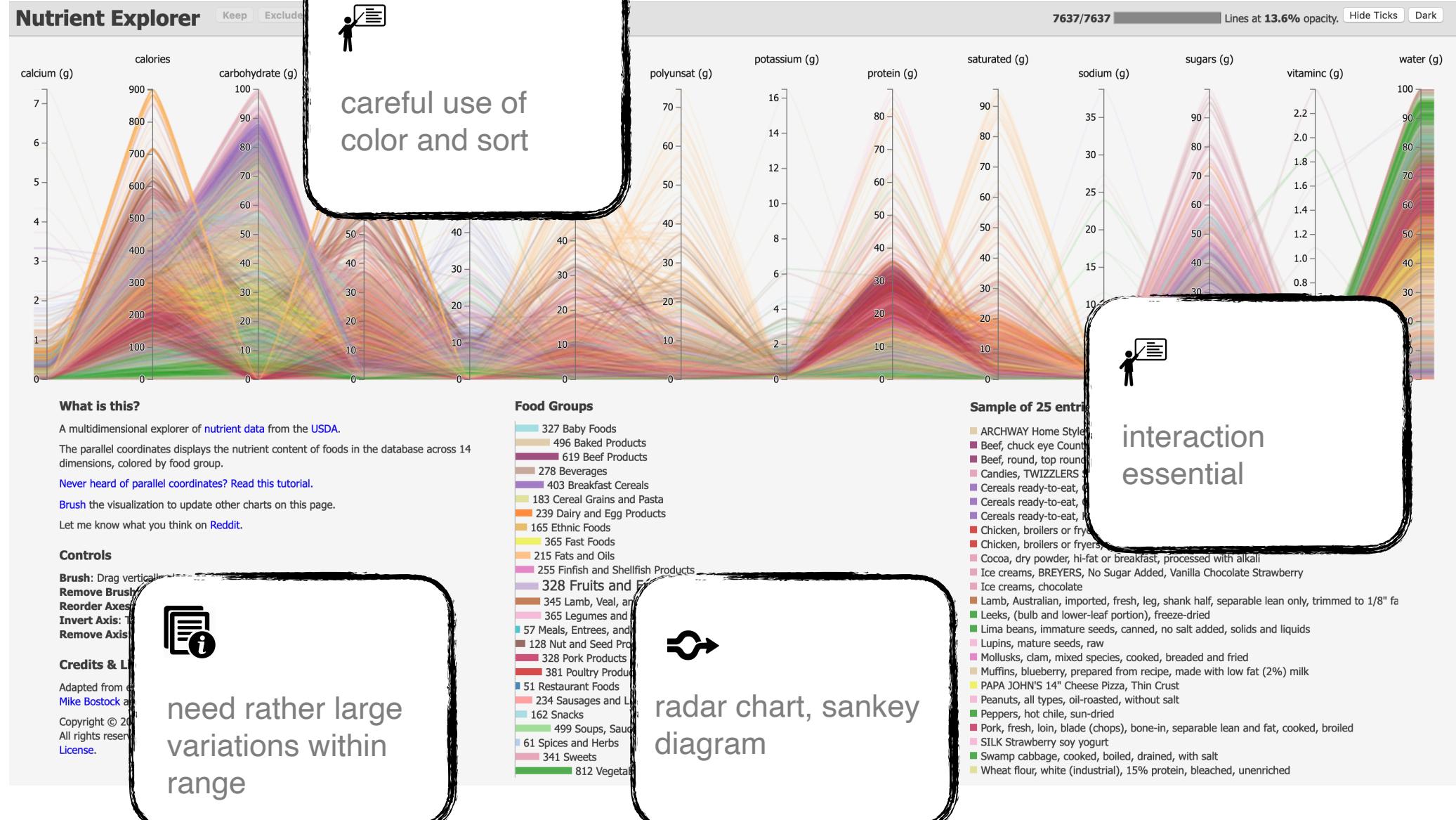
parallel coordinates

parallel sets



parallel coordinates

parallel sets

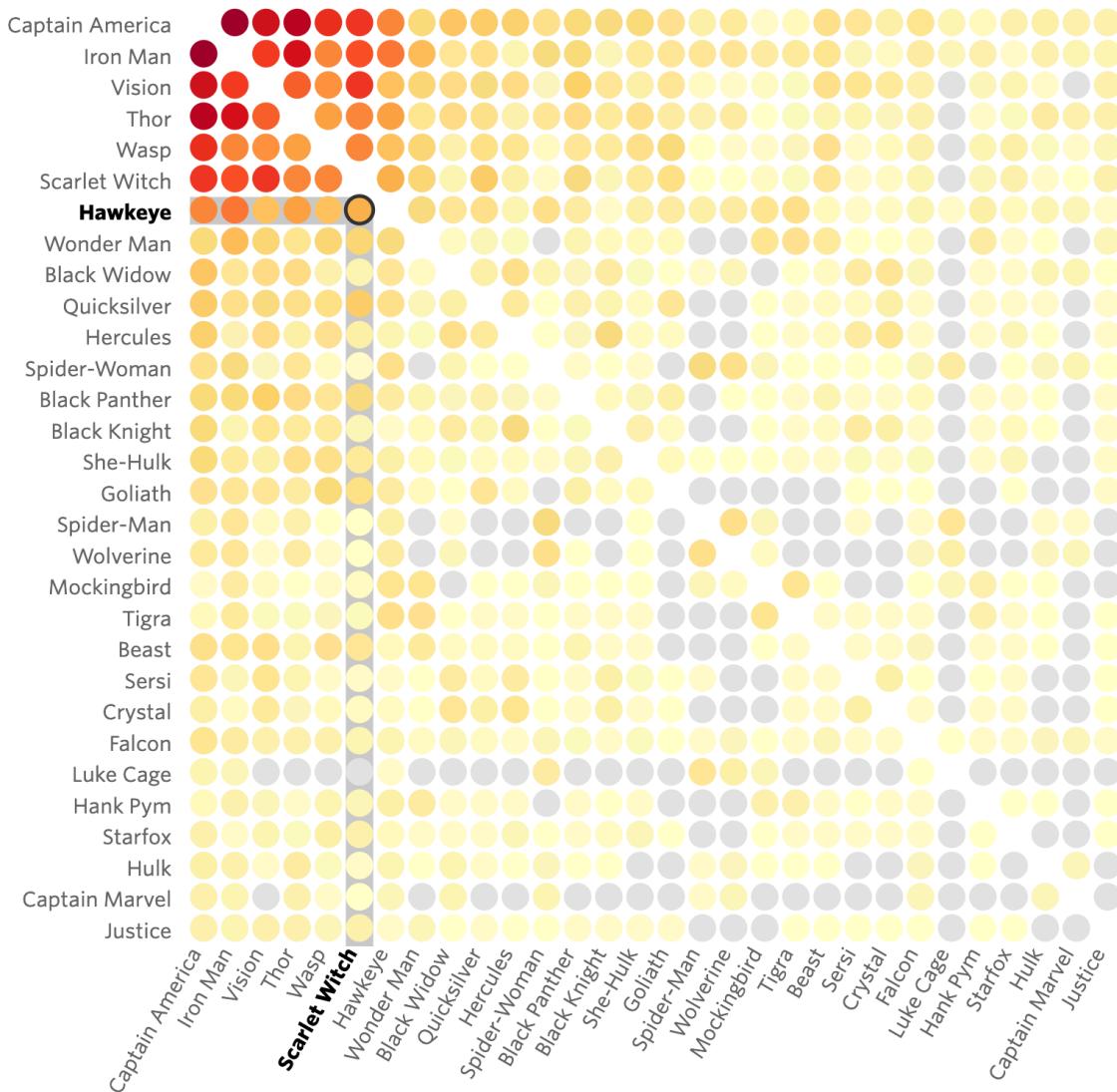


heatmap

matrix chart, mosaic plot

Mapping connections between Avengers

Below, see the top Avengers appeared in the same issues with other team members in the 'Avengers' comic book titles from 1963-2015.



Common appearances in Avengers titles*

1 300



110

Hawkeye and Scarlet Witch
appeared together **110** times
between 1963-2015



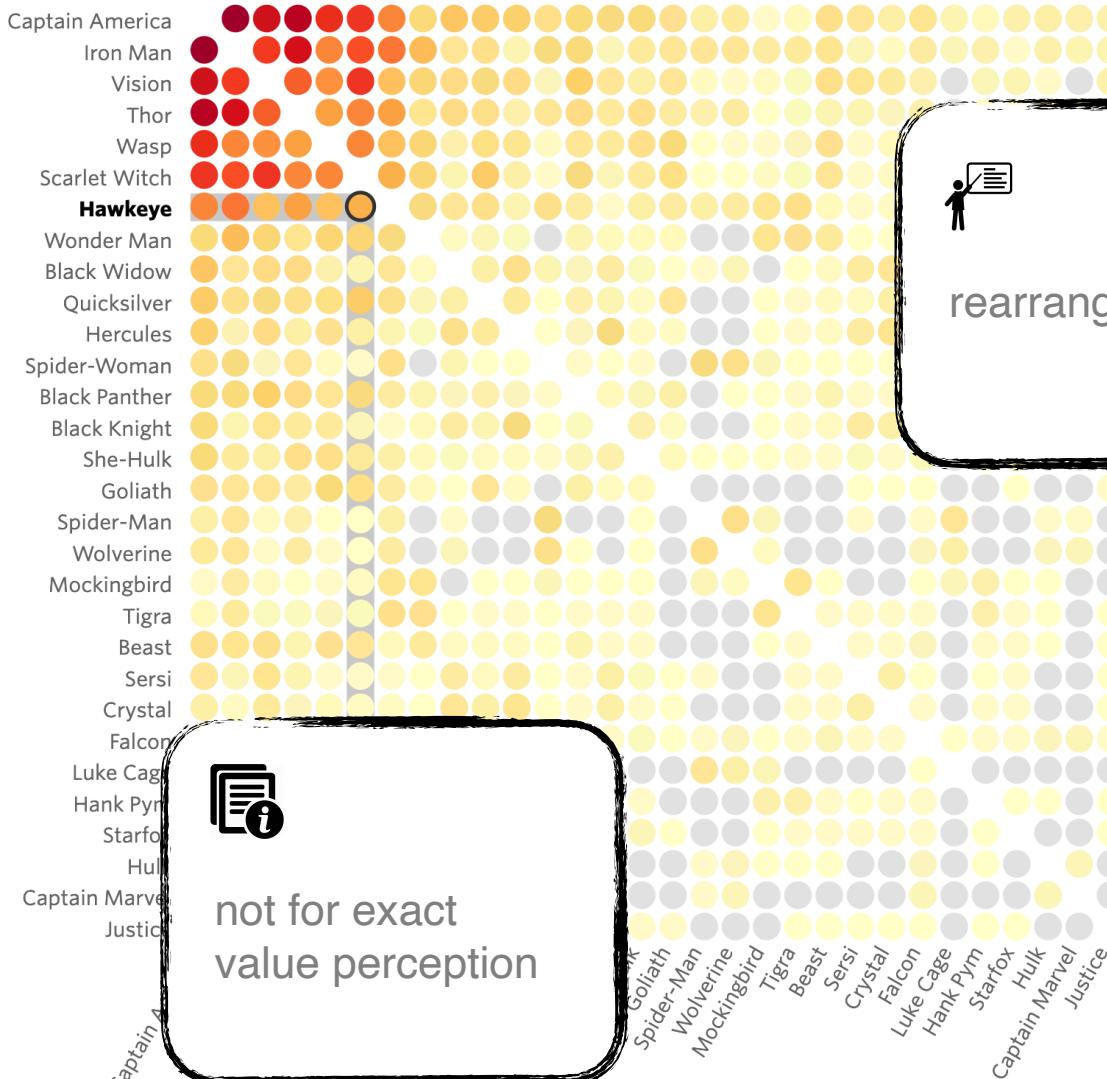
Scarlet Witch

charts

add clear legend

Mapping connections between characters

Below, see the top Avengers appeared in the same issues with other team members in the 'Avengers' comic book titles from 1963-2015.



not for exact value perception

rearrange axes

heatmap

matrix chart, mosaic plot

Common appear
1



include measure of pattern density



Hawkeye

Scarlet Witch

110

Hawkeye and Scarlet Witch appeared together 110 times between 1963-2015

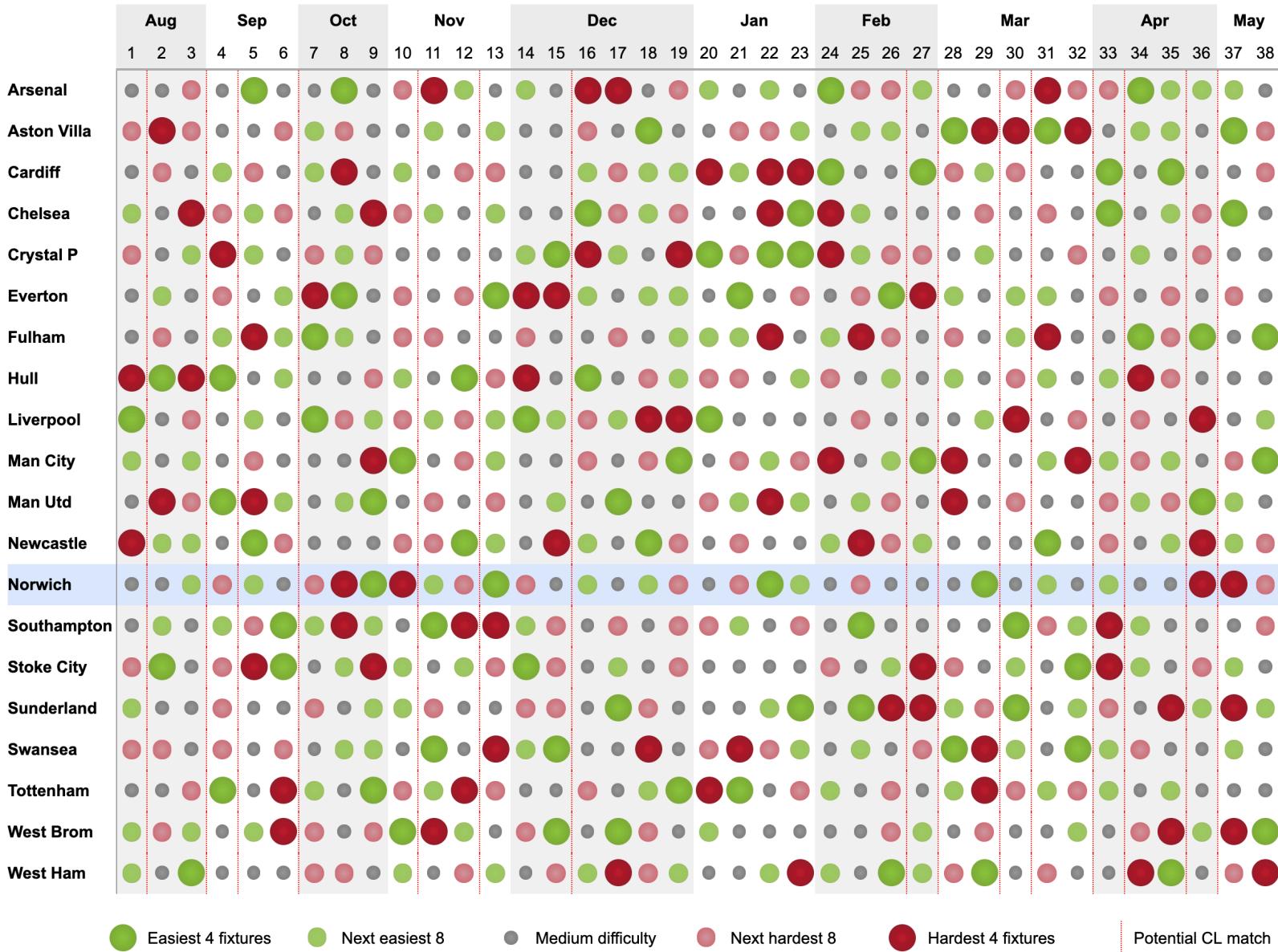


detect correlation patterns

chrt

matrix chart

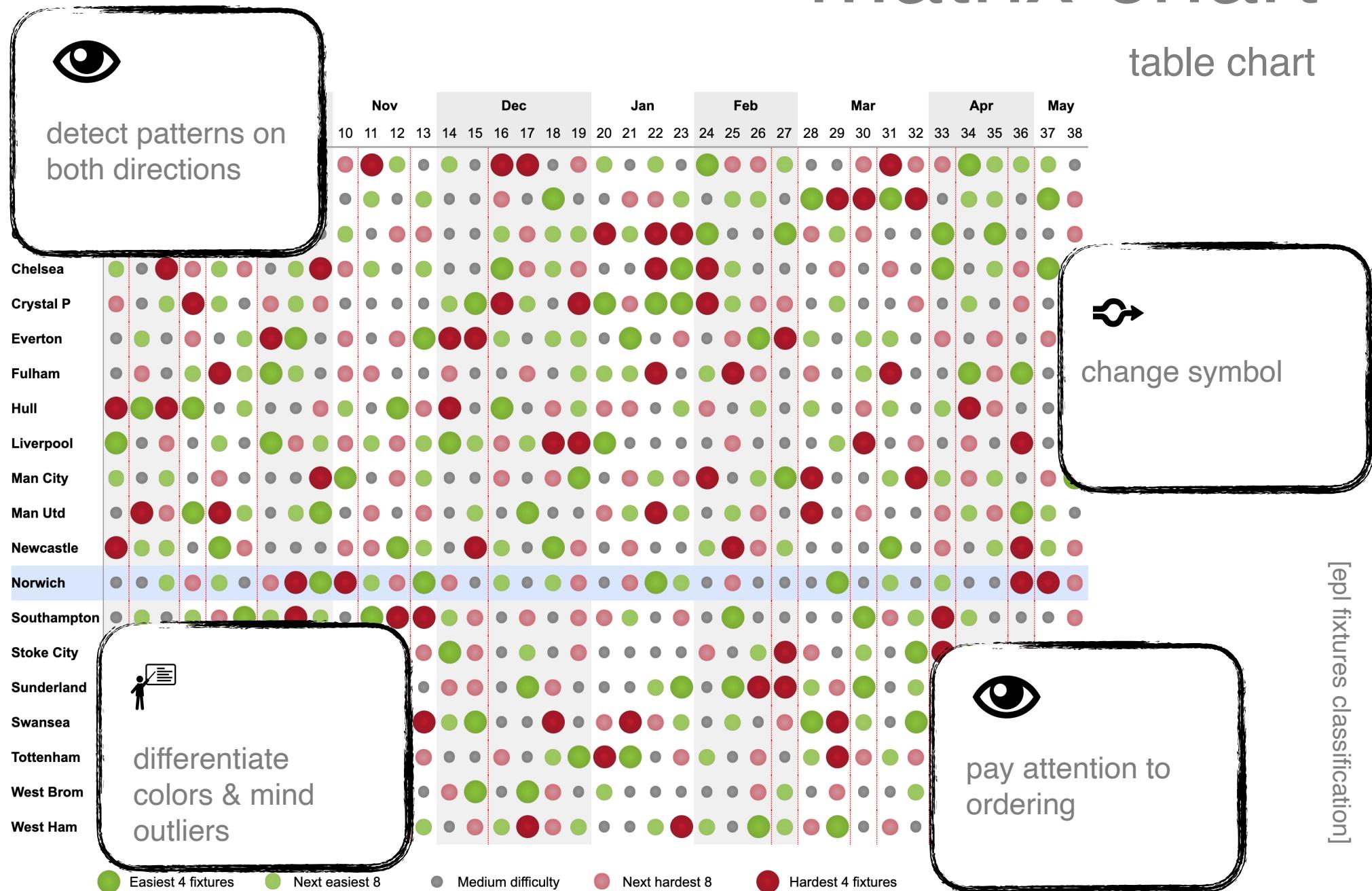
table chart



charts

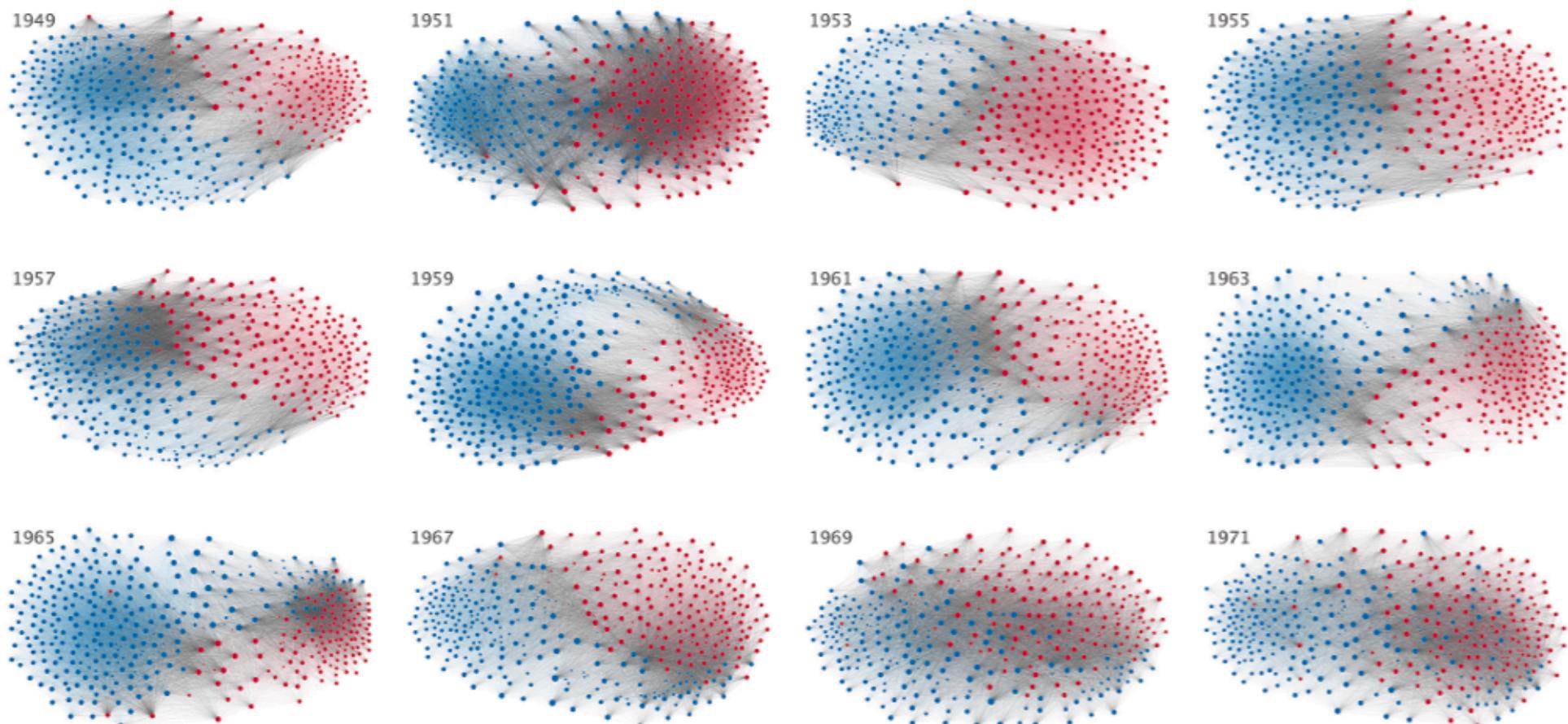
matrix chart

table chart



node-link diagram

network, graph, hairball



[partisan & cooperators in us parliament]

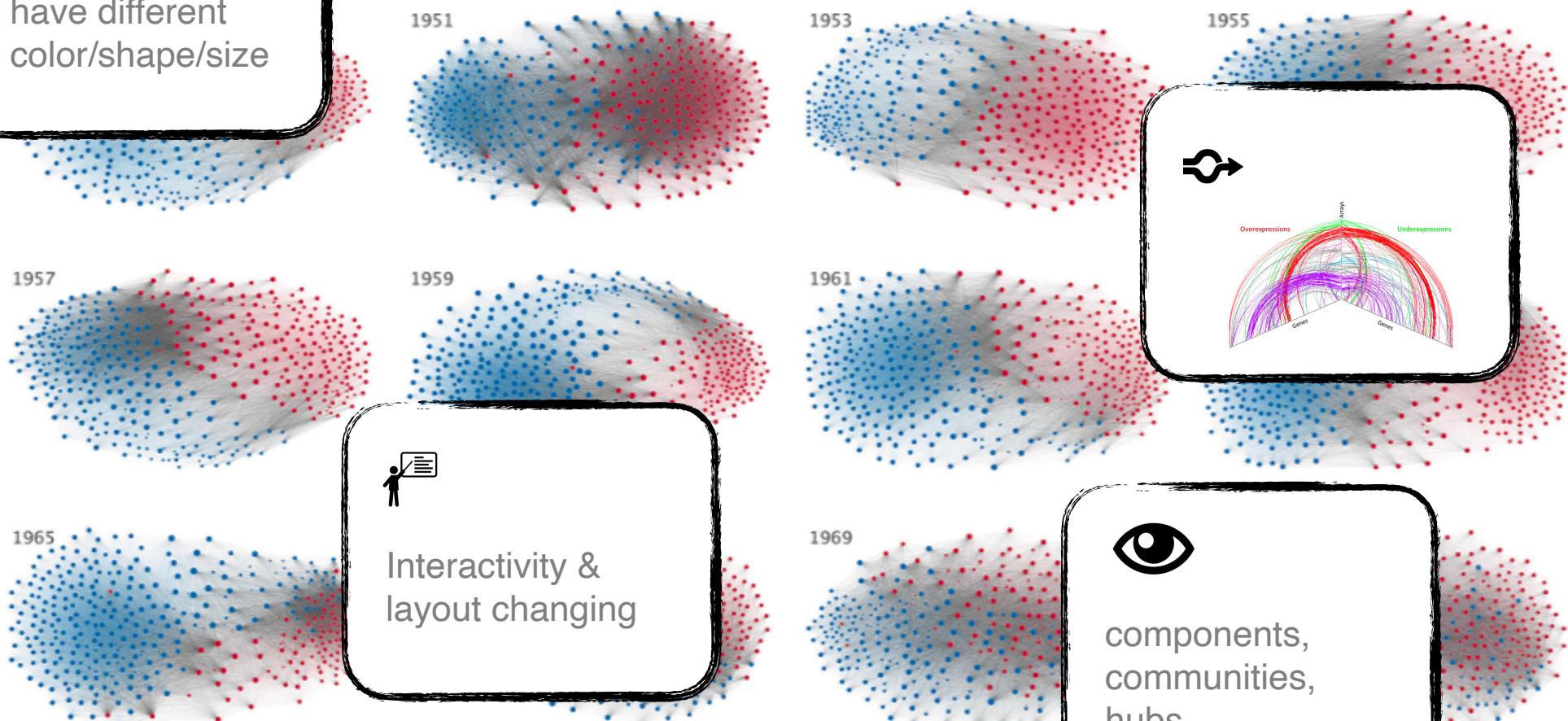
charts

node-link diagram

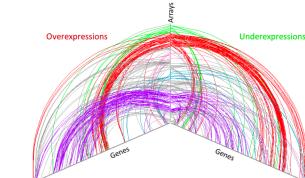
network, graph, hairball



links & nodes can
have different
color/shape/size



Interactivity &
layout changing

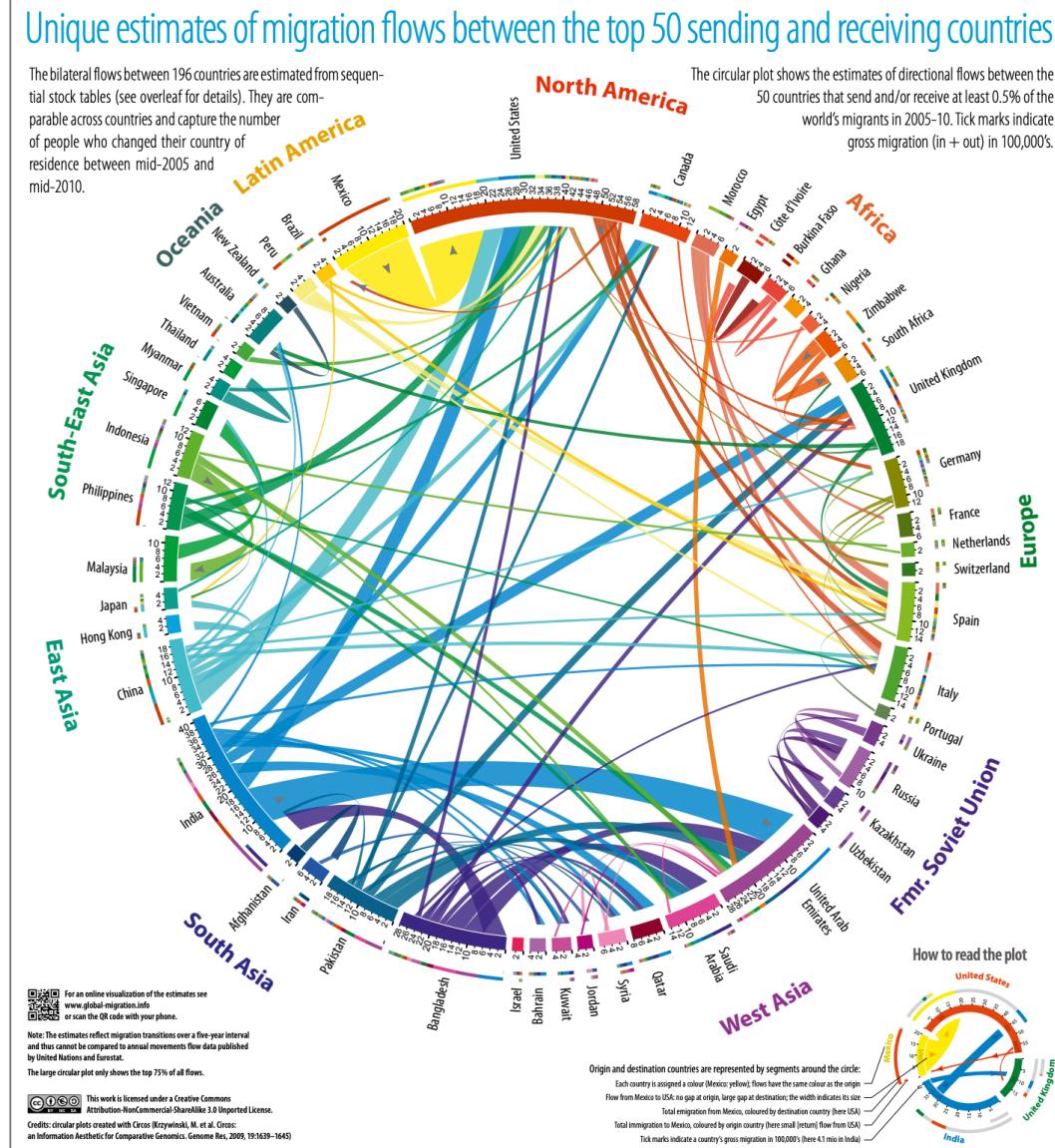


components,
communities,
hubs, ...

[partisan & cooperators in us parliament]

chord diagram

radial network, arc ~~diagram~~



charts

chord diagram

radial network, arc diagram ~~X~~



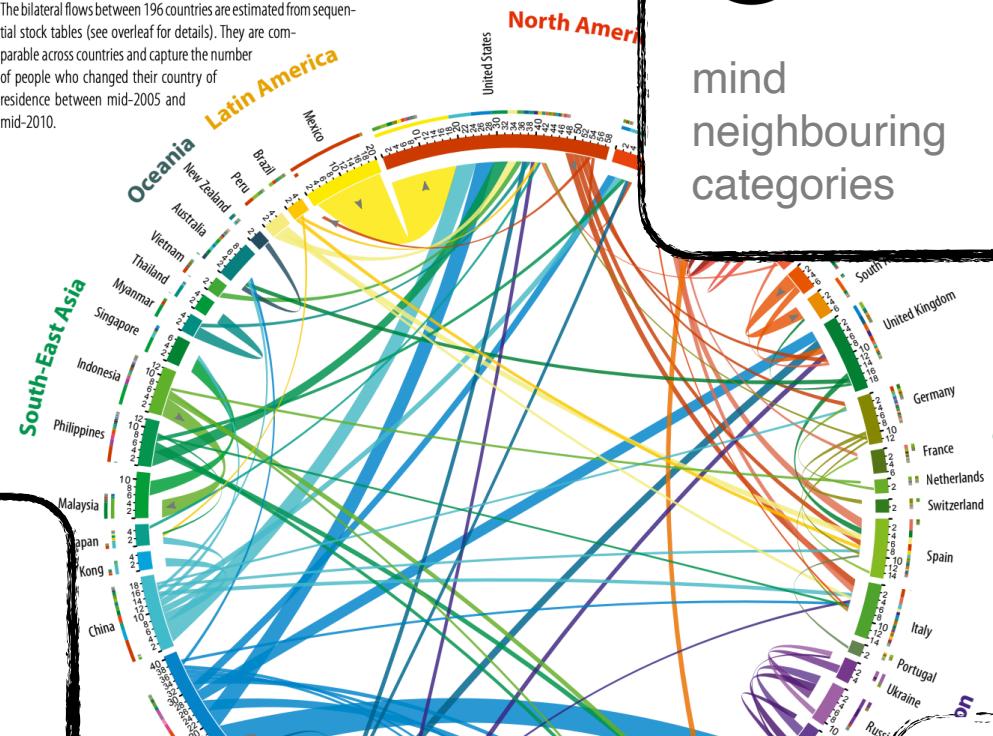
imprecise for
many categories



too cluttered

Unique estimates of migration flows between the top 50 countries

The bilateral flows between 196 countries are estimated from sequential stock tables (see overleaf for details). They are comparable across countries and capture the number of people who changed their country of residence between mid-2005 and mid-2010.



For an online visualization of the estimates see
www.global-migration.info
or scan the QR code with your phone.

Note: The estimates reflect migration transitions over a five-year interval and thus cannot be compared to annual movements flow published by United Nations and Eurostat.
The large circular plot only shows the top 75% of all flows.

This work is licensed under a Creative Commons
Attribution-NonCommercial-ShareAlike 3.0 Unported License.
Credits: circular plots created with Circos (Krzywinski, M. et al. Circos: an Information Aesthetic for Comparative Genomics. Genome Res., 2009, 19:1639–



mind
neighbouring
categories



evaluate larger in/
out degree



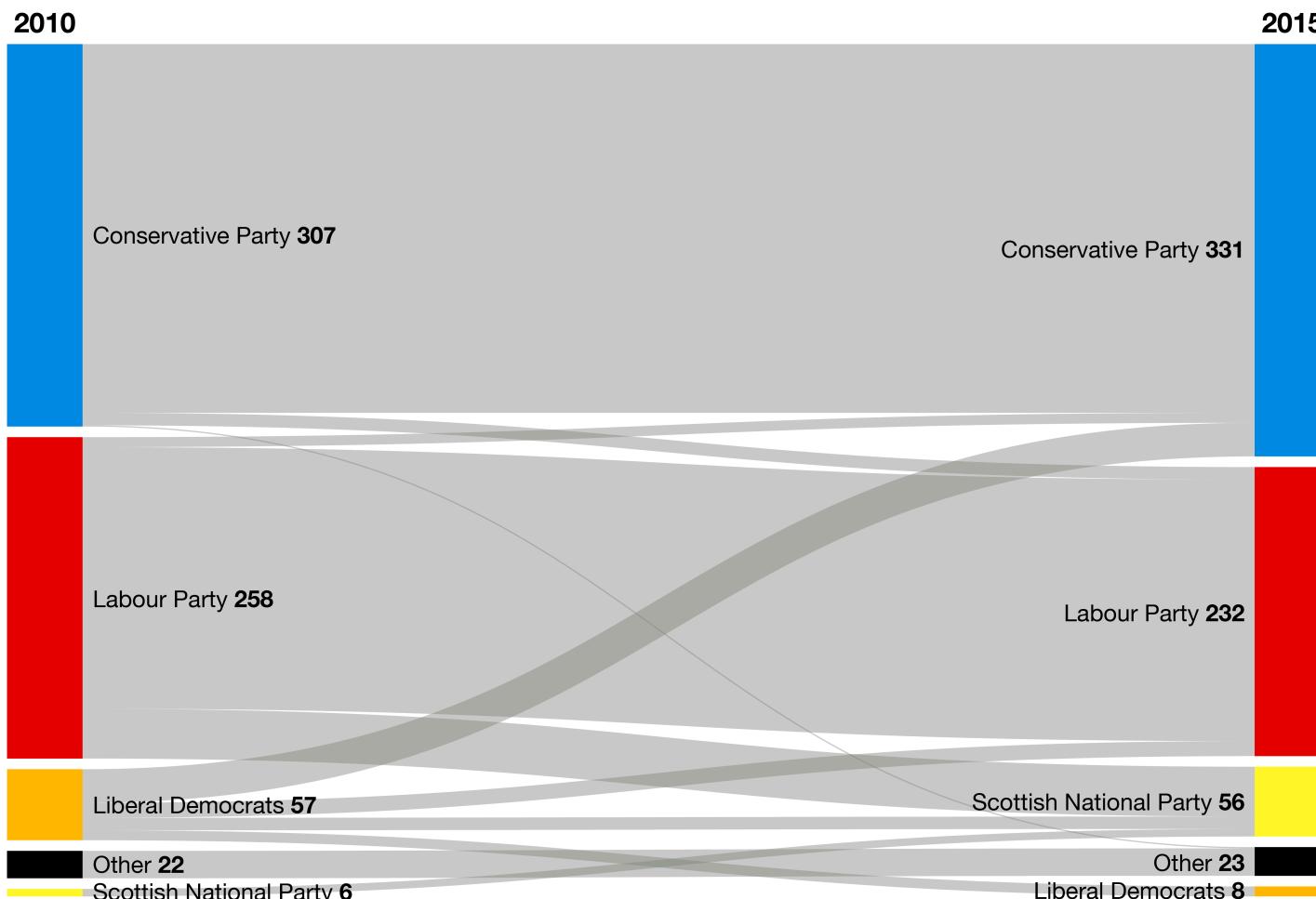
careful sorting

Legend:
1) flow have the same colour as the origin
2) at destination: the width indicates its size
3) colour by destination country (here USA)
4) country (here small) return flow from USA
5) migration in 100,000s (here 41 mio in USA)

sankey diagram

alluvial diagram

UK Election Results by Political Party, 2010 vs 2015



sankey diagram

alluvial diagram

UK Election Results by Political Party, 2010 vs

