

chart
zoo

chrts rule

chrts

categorical

comparing categories and distributions

chrts

hierarchical

charting part-to-whole relationships and hierarchies

chrts

relational

graphing relationships to explore correlations & connections

chrts

temporal

showing trends & activities over time

chrts

spatial

mapping spatial patterns through overlays & distortions

caveat

- not an exhaustive list
- excluded graphs not different enough from other
- included also partially flawed charts
- some charts belong to more than one *charts* category
- dashboards, small multiples & storytelling not included: they are an editorial solution rather than a type of chart on their own

notes



info



detect



present



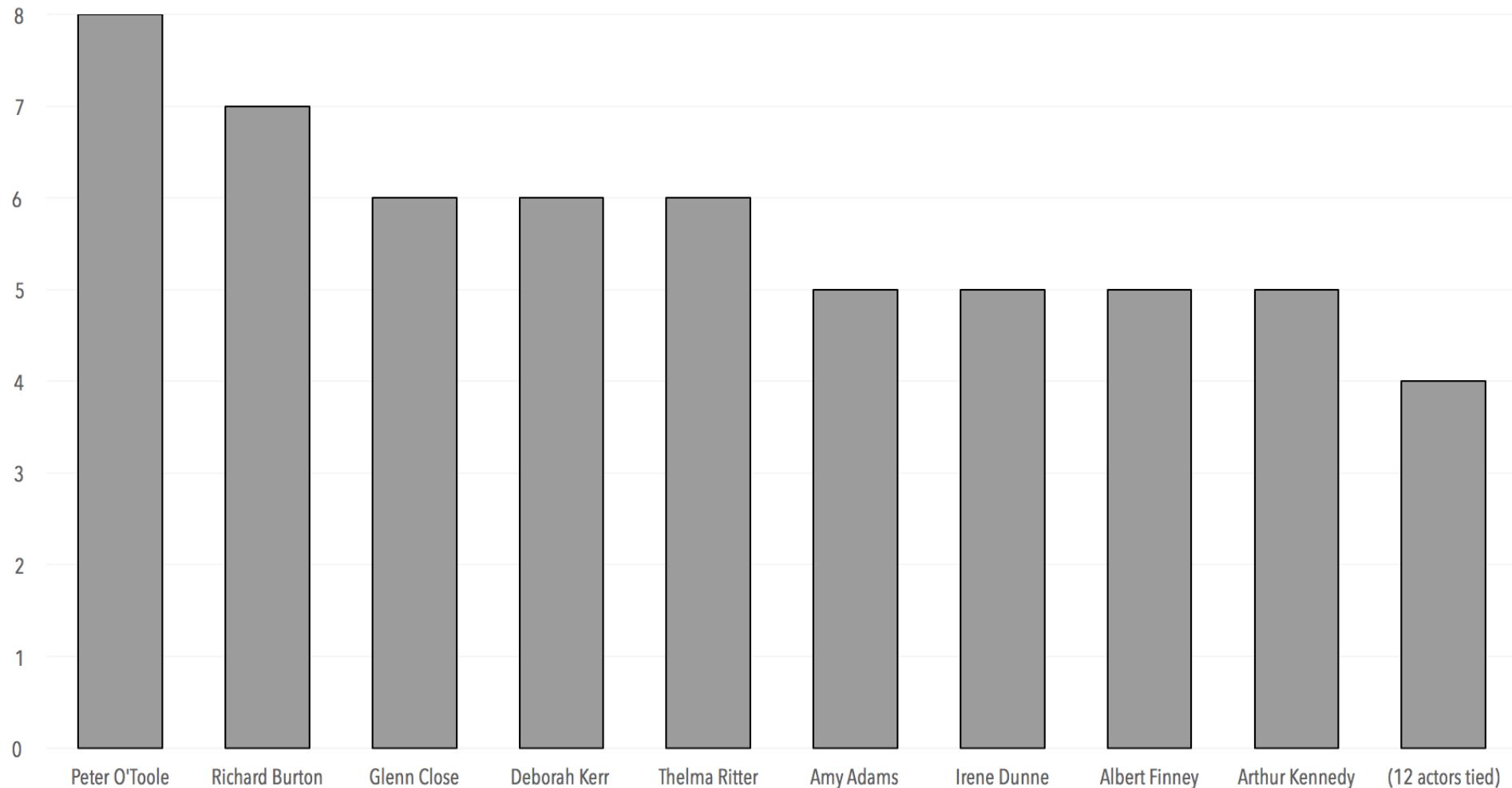
alternatives

charts

bar chart

column chart — histogram ~~X~~

The 10 actors with the most Oscar nominations but no wins

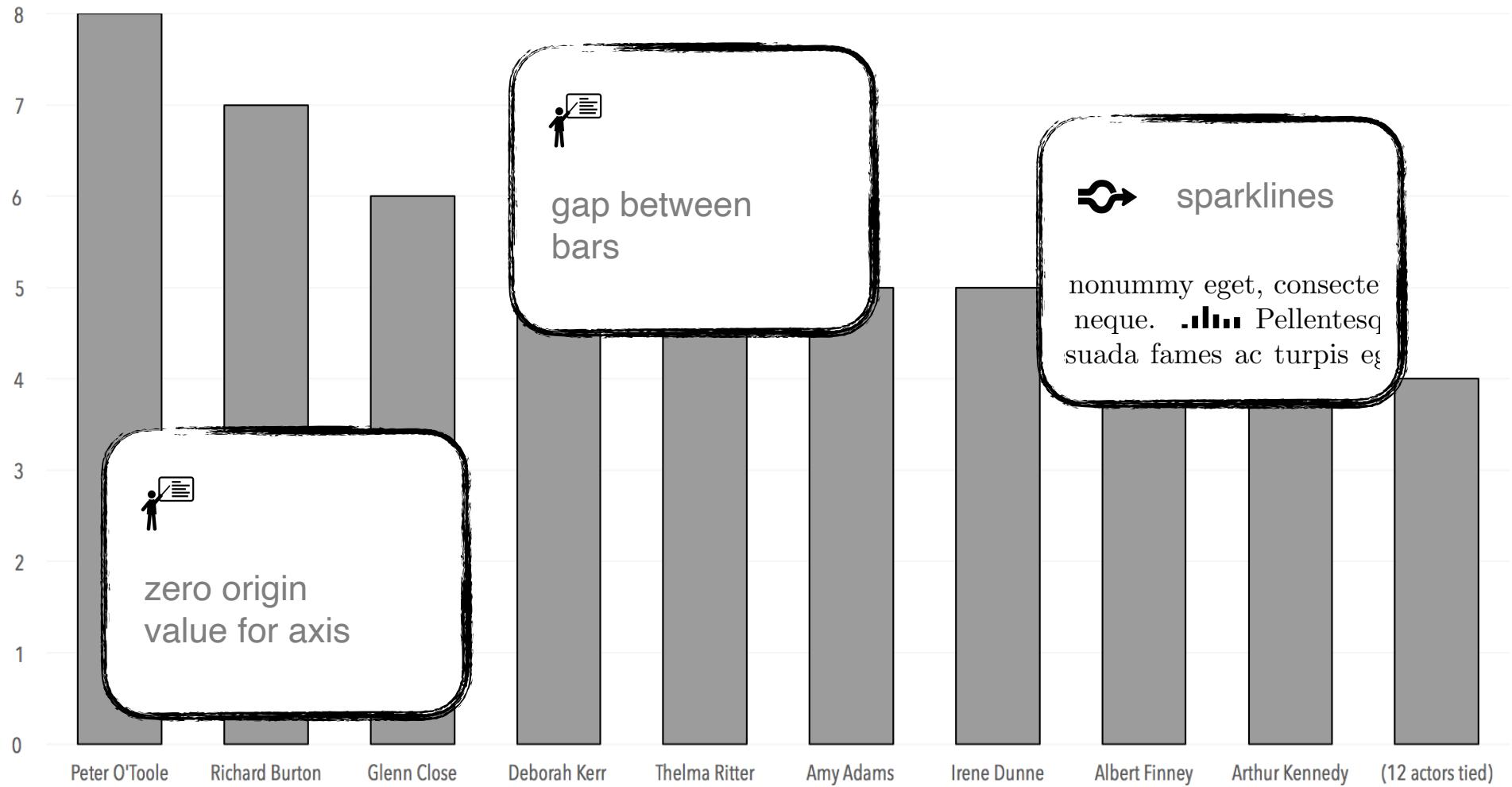


charts

bar chart

column chart — histogram ~~X~~

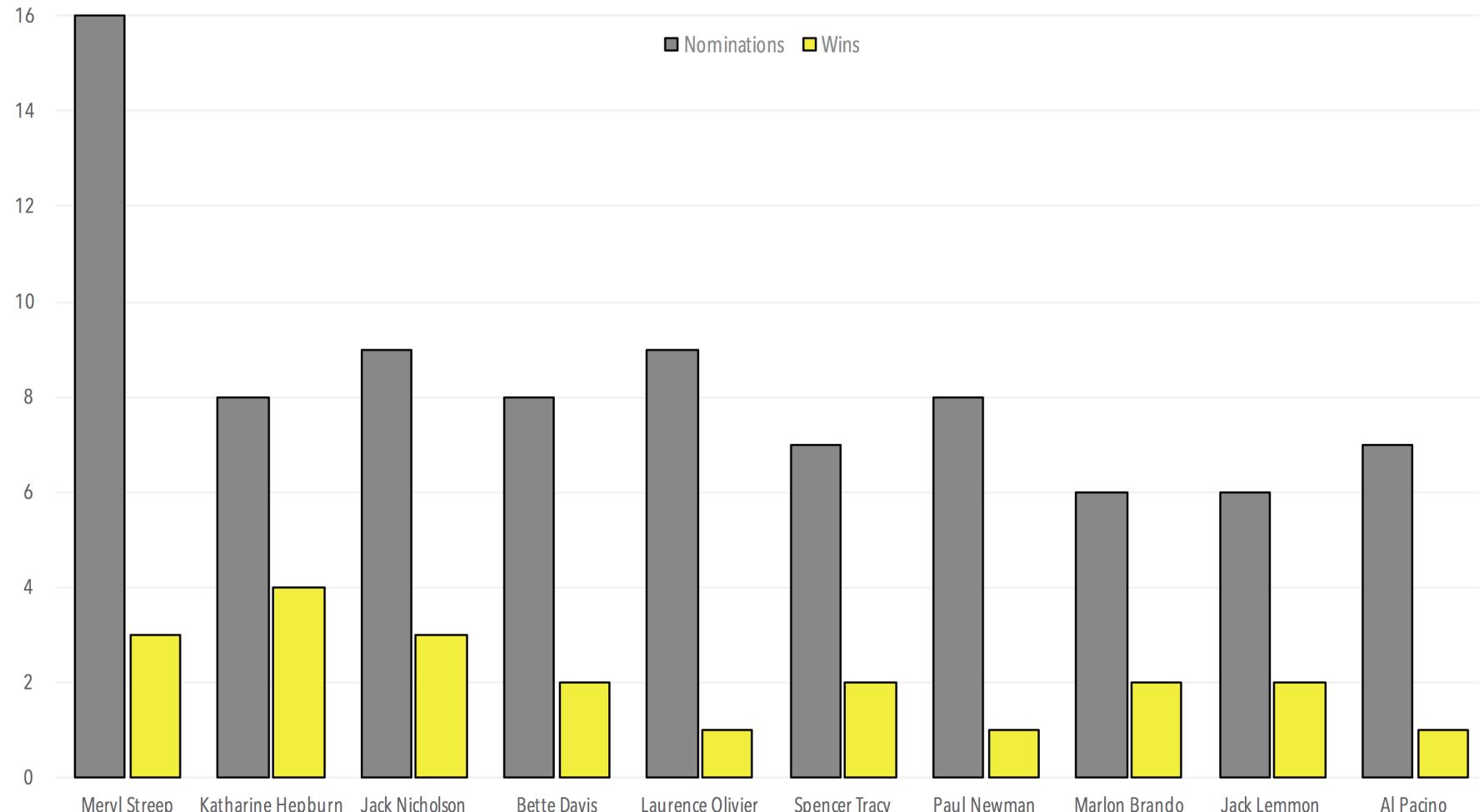
The 10 actors with the most Oscar nominations but no wins



clustered bar chart

clustered column chart, paired bar chart

The 10 actors who have received the most Oscar nominations



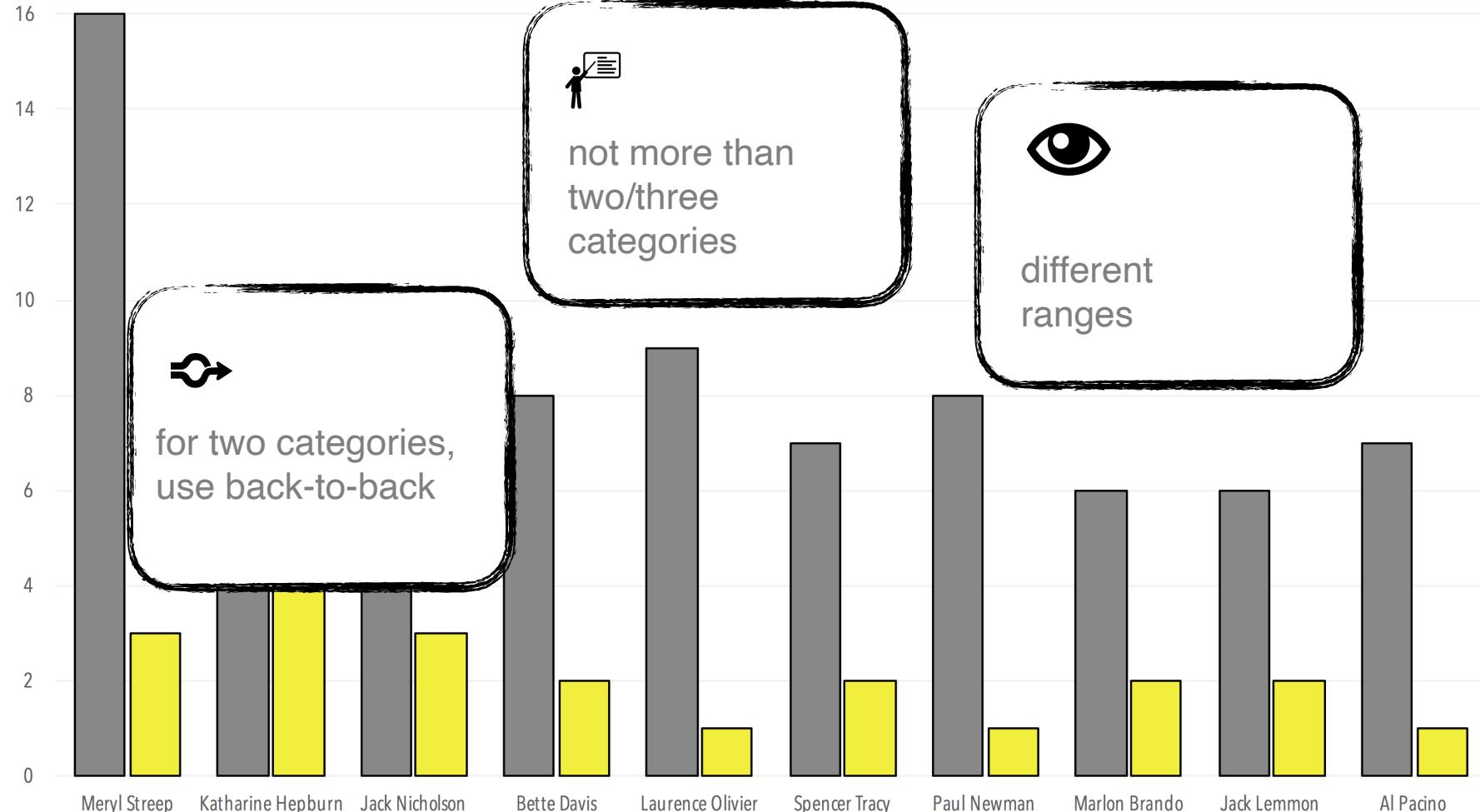
Source: https://en.wikipedia.org/wiki/List_of_actors_with_two_or_more_Academy_Award_nominations_in_acting_categories (as at January 2016).

Note: Geraldine Page also has 8 nominations and 1 win; Al Pacino included as he has greater number of Best Actor rather than Best Supporting Actor wins.

clustered bar chart

clustered column chart, paired bar chart

The 10 actors who have received the most Oscar nominations



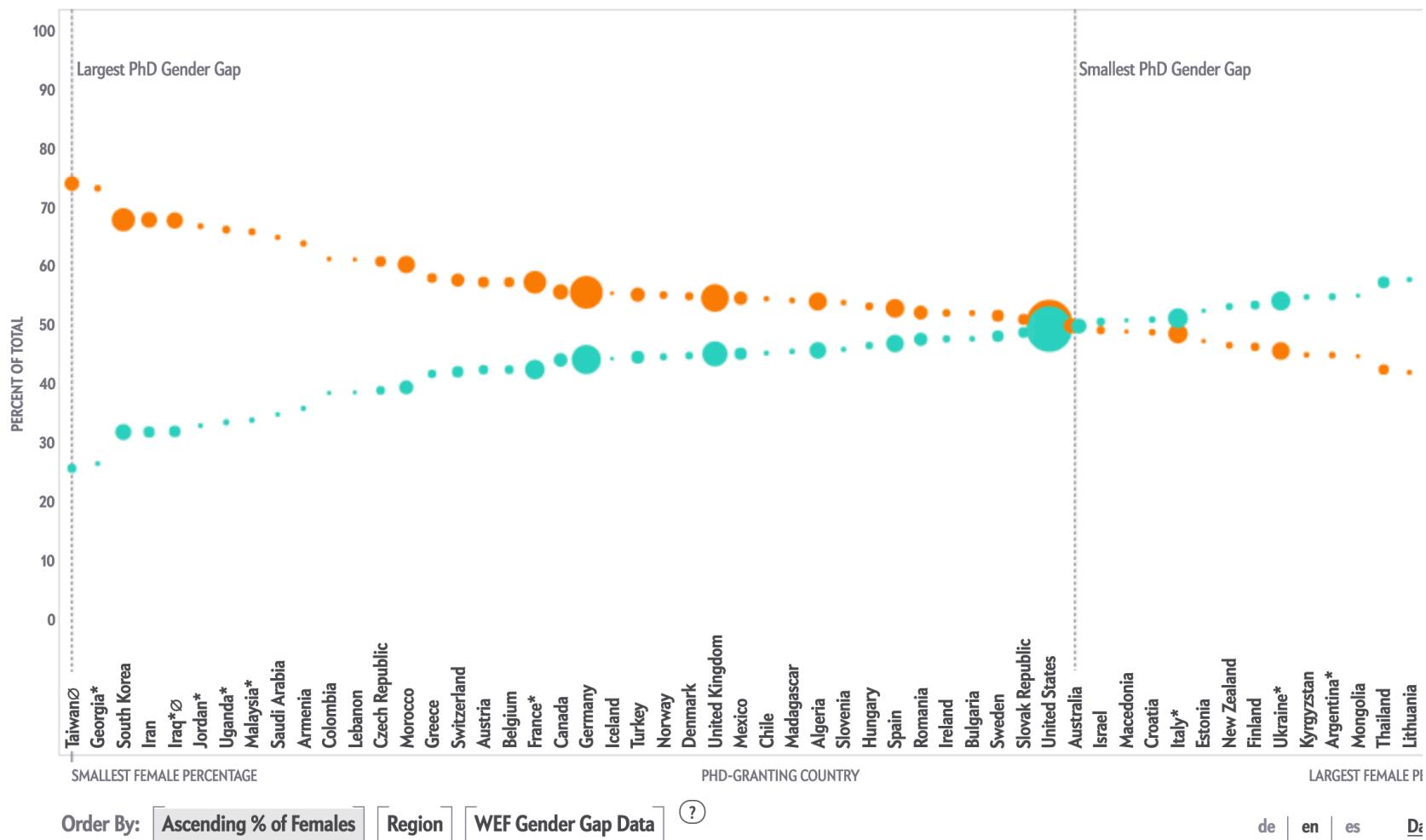
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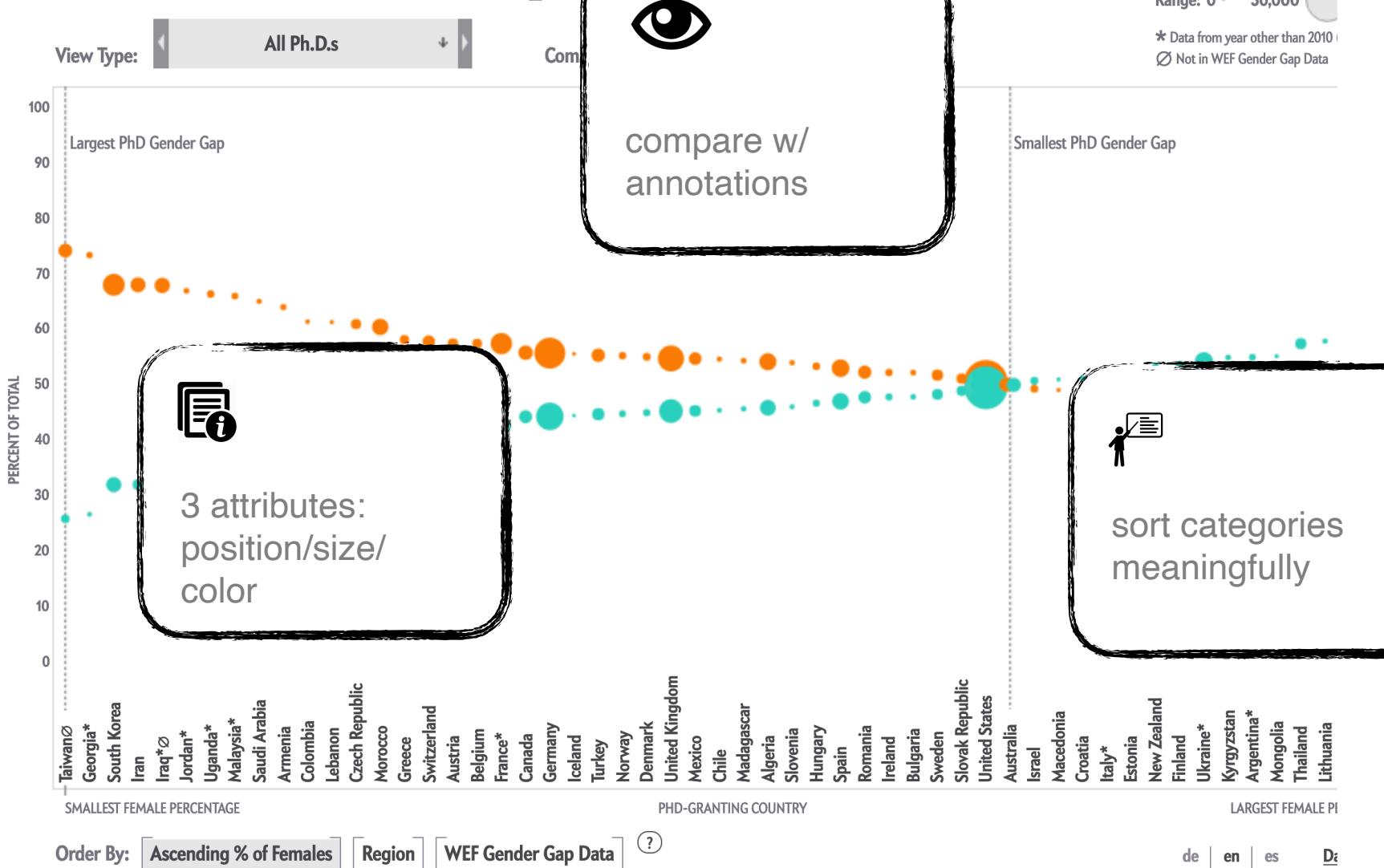
Global Ph.D.s Gender Gap (2010)

Range: 0 - 30,000

* Data from year other than 2010
∅ Not in WEF Gender Gap Data



Global Ph.D.s Gender Gap (%)



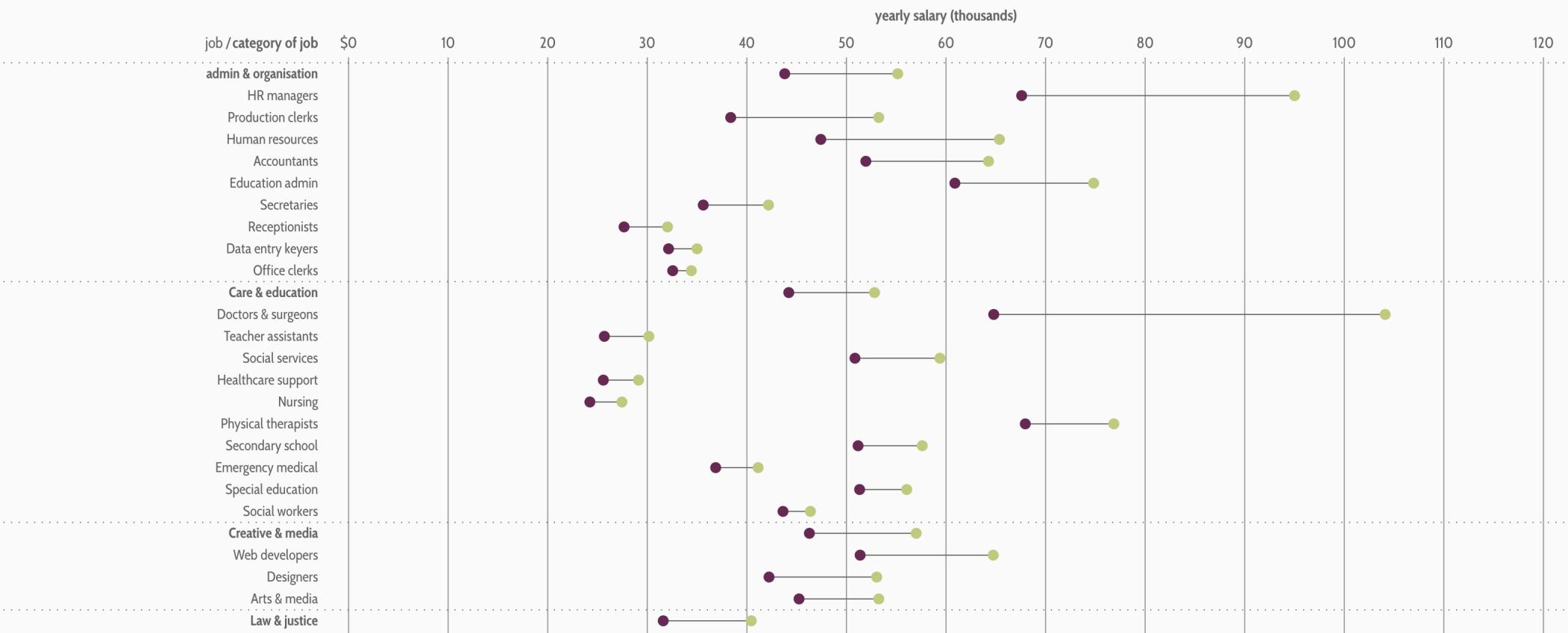
connected dot plot

barbell chart, dumb bell chart

Gender Pay Gap US | UK

Plot By: Salary Sort By: Job Category

Female Male



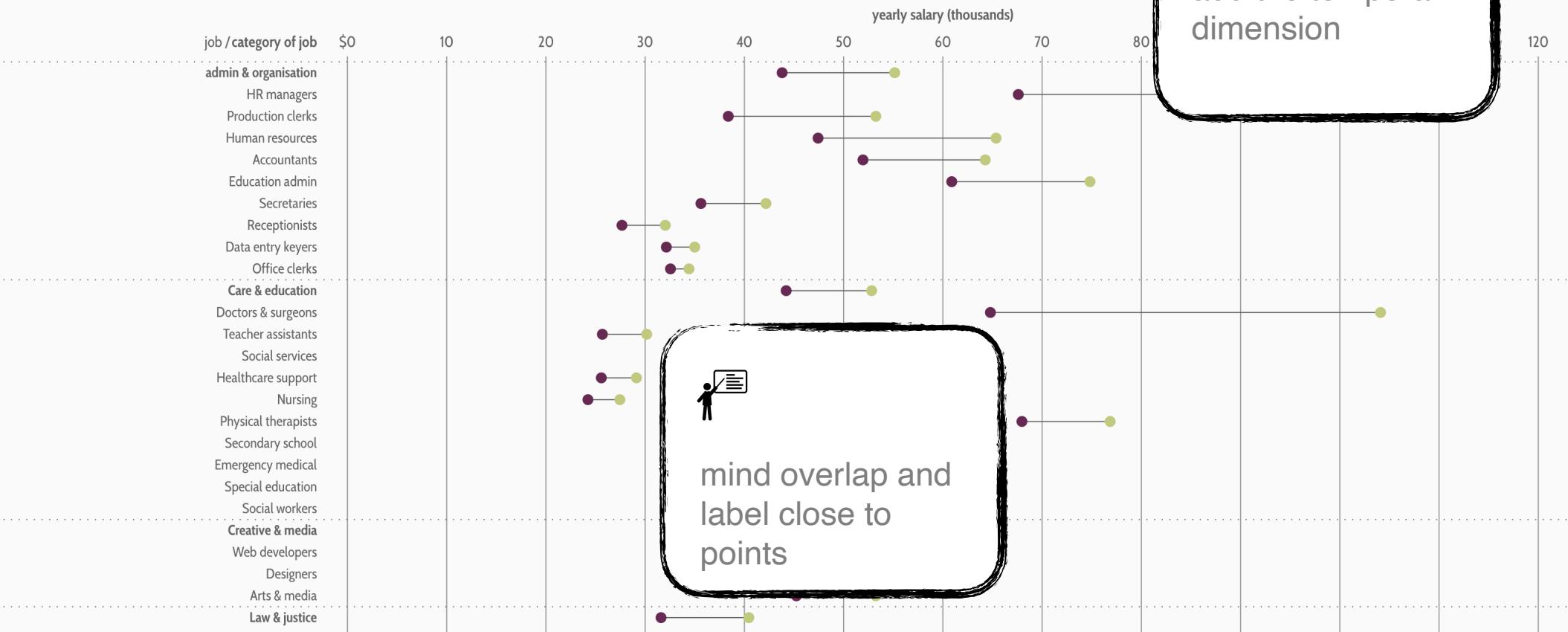
connected dot plot

barbell chart, dumb bell chart

Gender Pay Gap US | UK

Plot By: Salary Sort By: Job Category

Female Male



pictogram

isotype chart, pictorial bar chart, stacked shape chart, tally chart

Razors Are for the Regular Season

Based on recent photographs, here is how the four remaining teams in the NHL playoffs compare in terms of facial hair. Players are divided into three categories: full beard, scraggly/light beards and clean-shaven.



Note: Results reflect each team's 12 forwards, six defensemen and one goalie with most playing time.

THE WALL STREET JOURNAL

charts

pictogram

isotype chart, pictorial bar chart, stacked shape chart, tally chart



recognizable
intuitive marks

The Regular Season

In graphs, here is how the four NHL teams compare in the regular season. The players are divided into three categories: full beard, scraggly/light beards and clean-shaven.



Full beard



Light beard



Clean

Rangers



Blackhawks



Note: estimate absolute
values

yards, six defensemen and one goalie with most playing time.



use large quantities
of marks

proportional shape chart

are ~~x~~ chart

Market cap by marijuana industry sector



Pharma/Research

\$1.5b



Producer

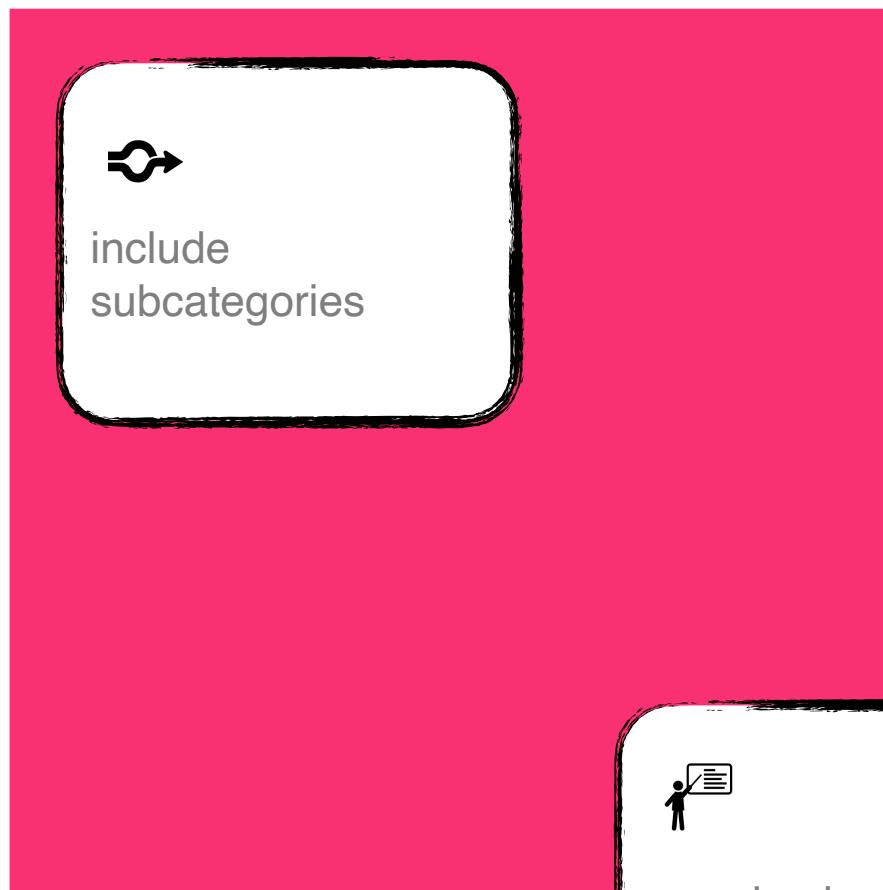
\$645m



proportional shape chart

are ~~x~~ chart

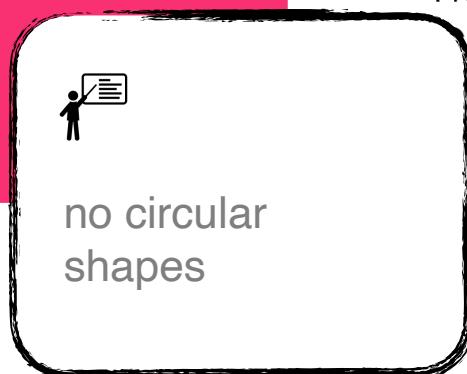
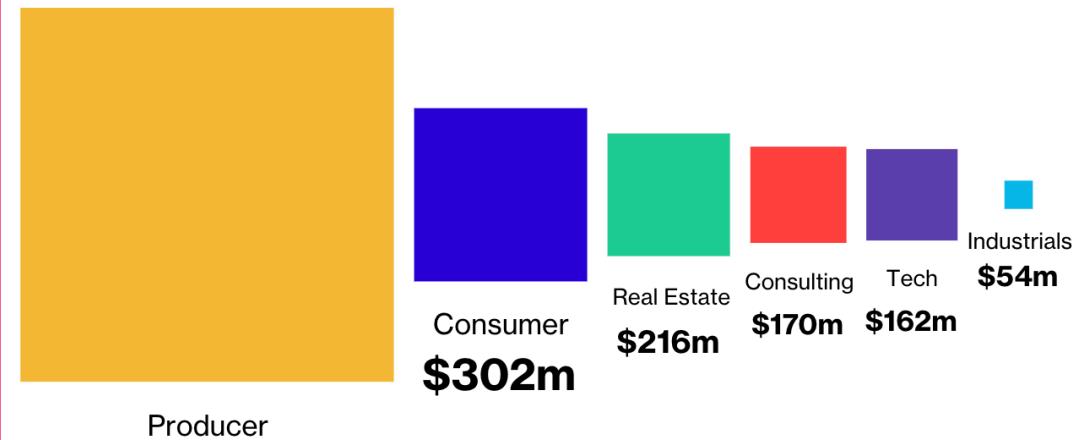
Market cap by marijuana industry sector



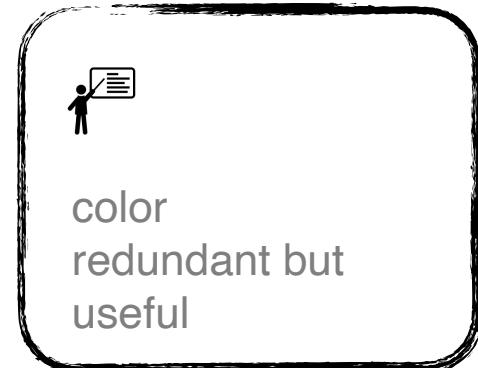
include
subcategories



no baseline
or central
gravity



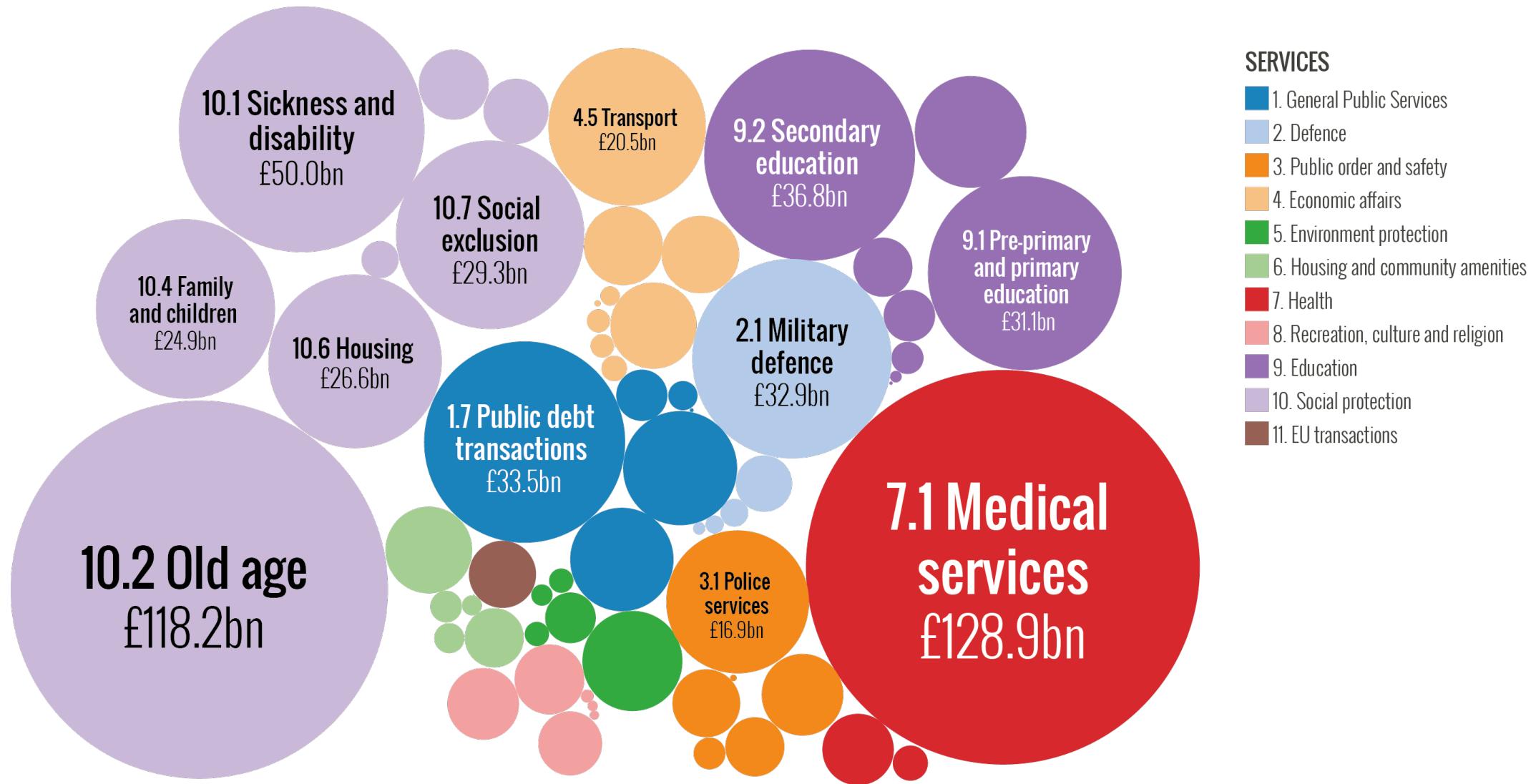
no circular
shapes



color
redundant but
useful

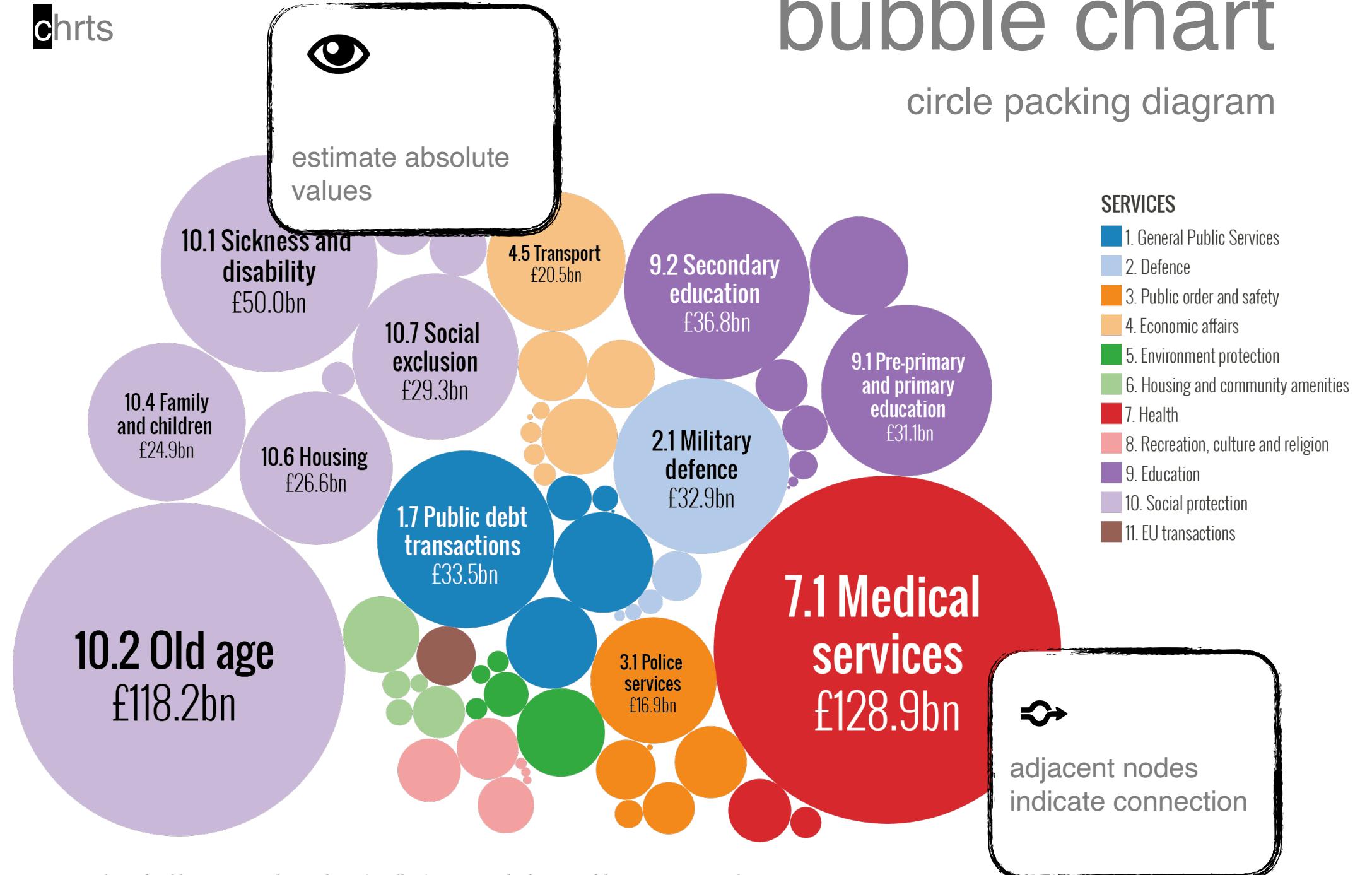
bubble chart

circle packing diagram



bubble chart

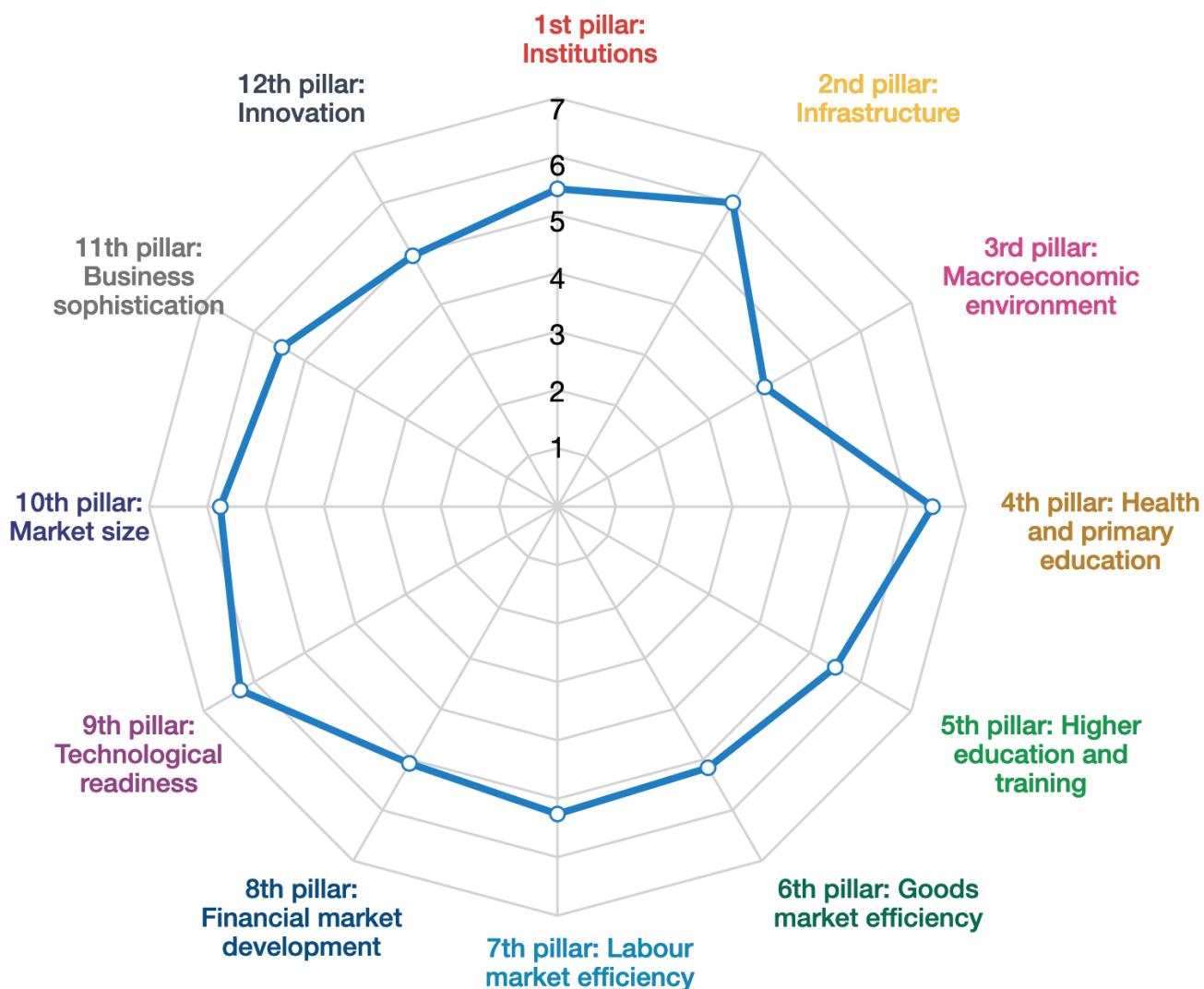
circle packing diagram



radar chart

star chart, spider diagram, web chart

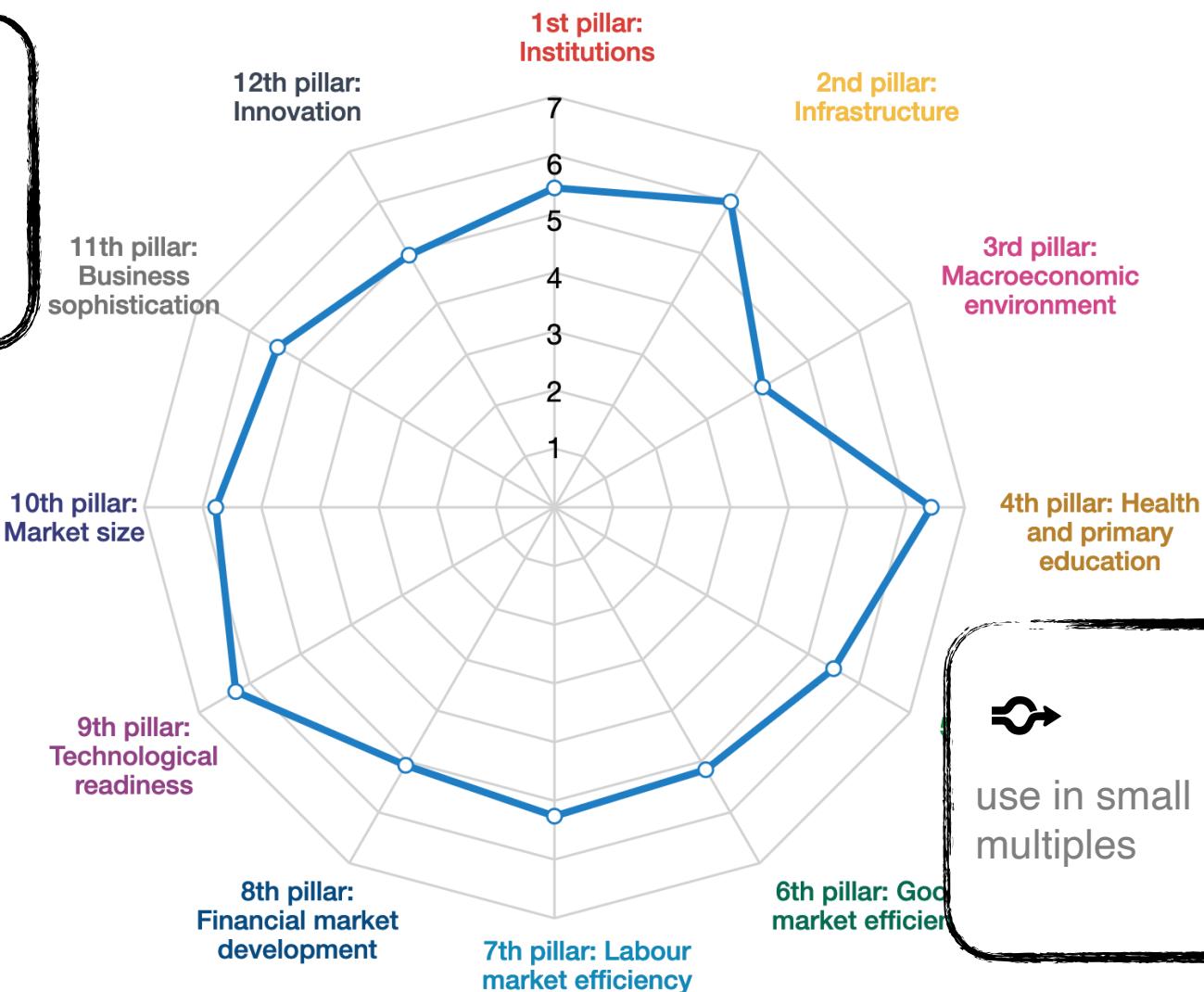
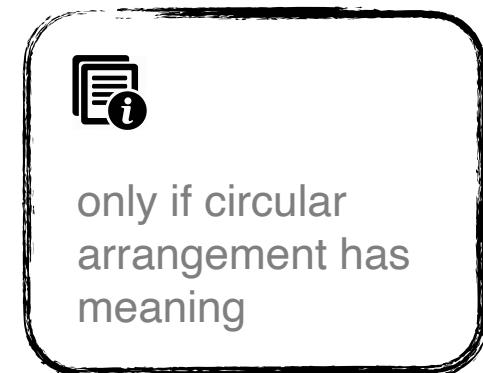
Performance Overview



radar chart

star chart, spider diagram, web chart

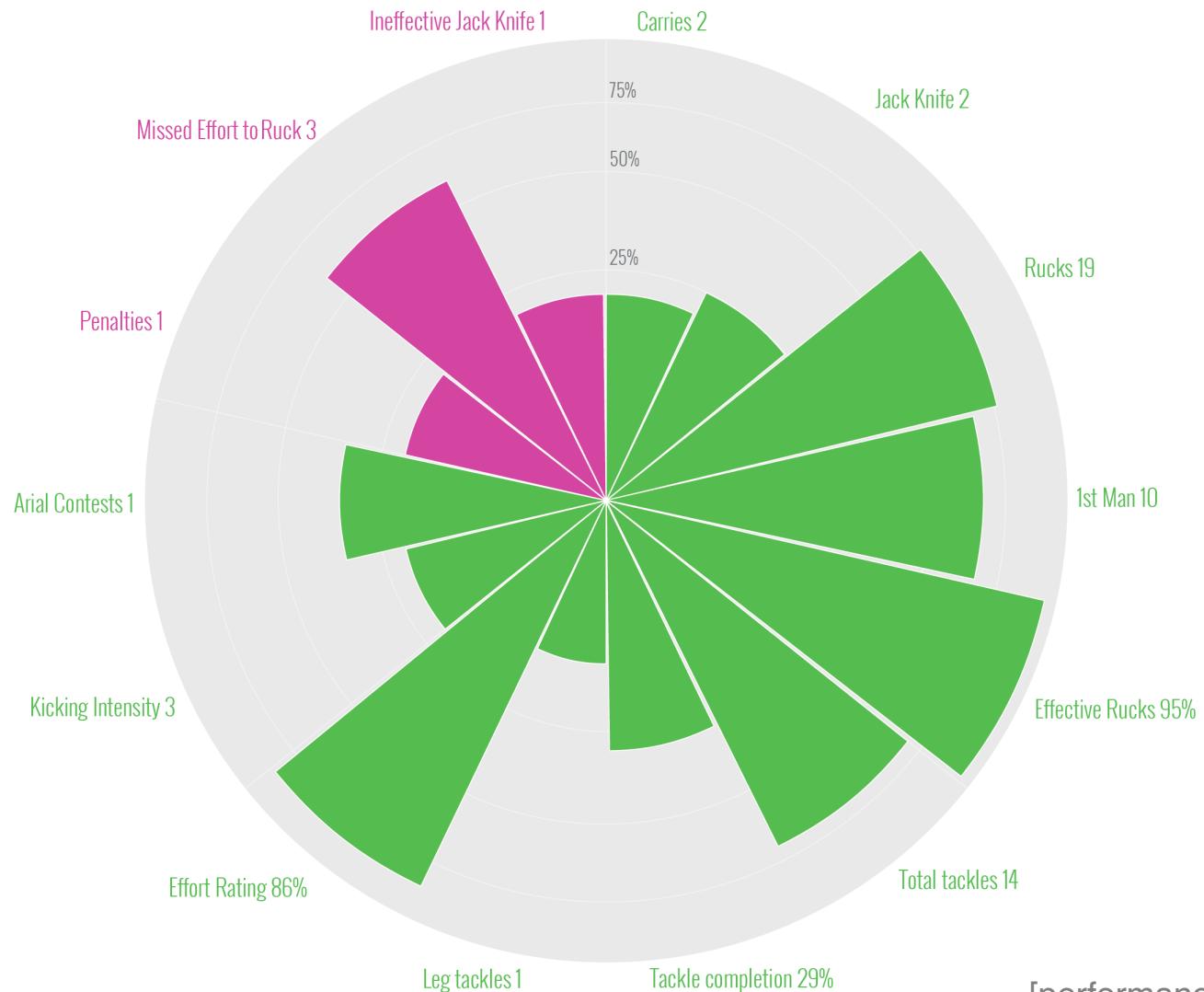
Performance Overview



polar chart

coxcomb plot, polar area plot

Bar value relative to season best (individual)
POSITIVE indicators NEGATIVE indicators



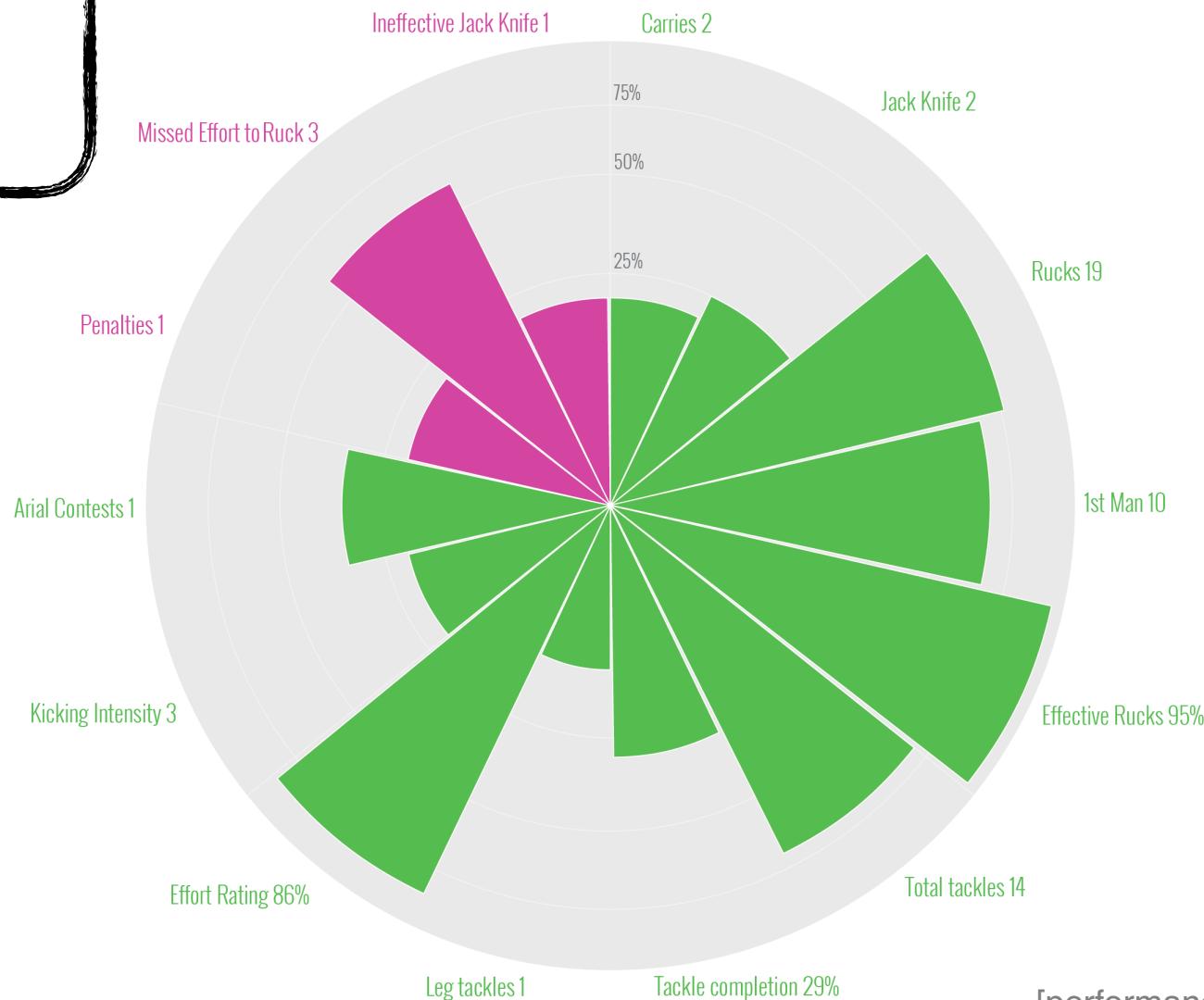
polar chart

coxcomb plot, polar area plot



only for similar quantitative scales

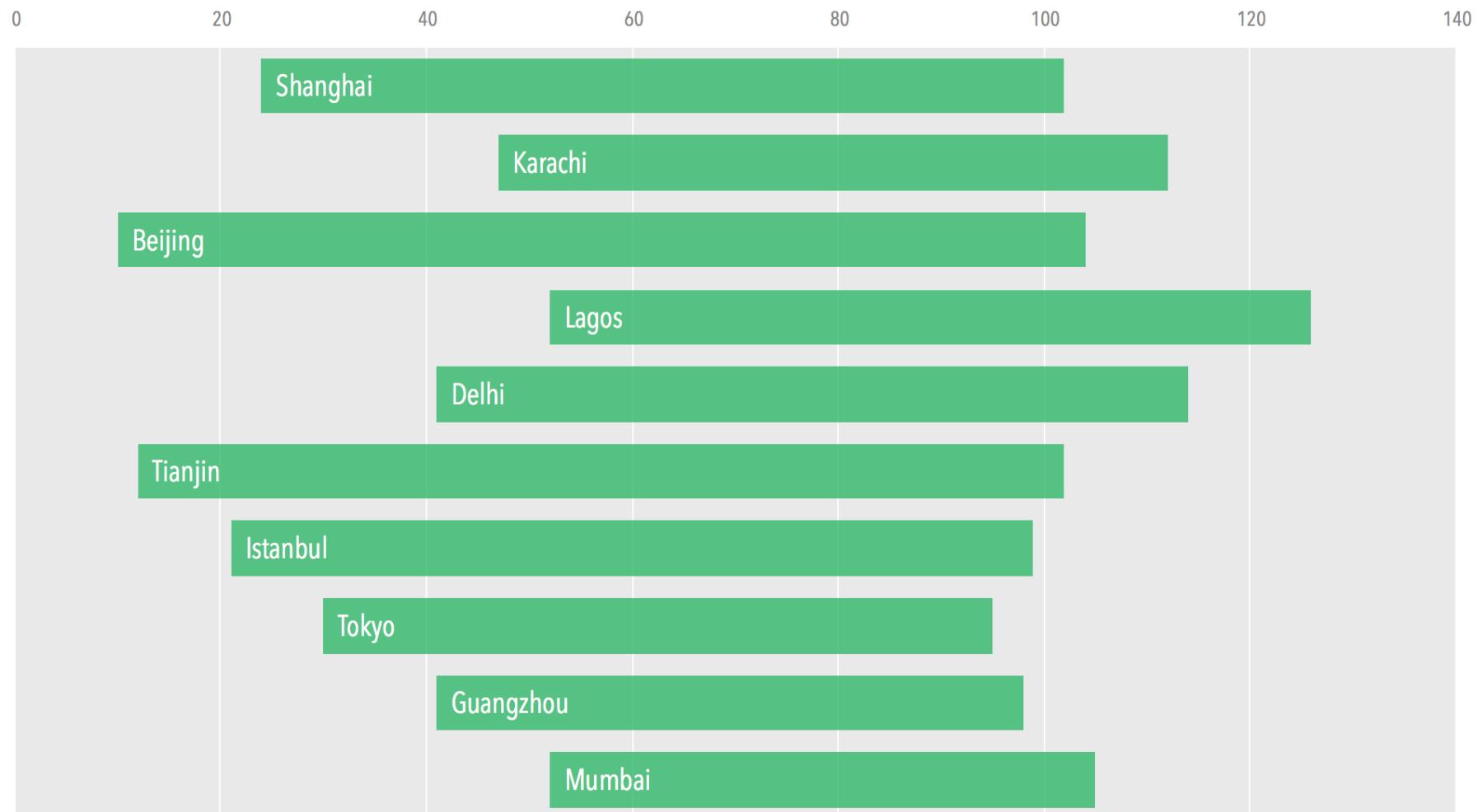
Bar value relative to season best (individual)
POSITIVE indicators NEGATIVE indicators



range chart

span chart, floating bar chart, barometer chart

Range of temperatures ($^{\circ}\text{F}$) recorded in the top 10 most populated cities during 2015



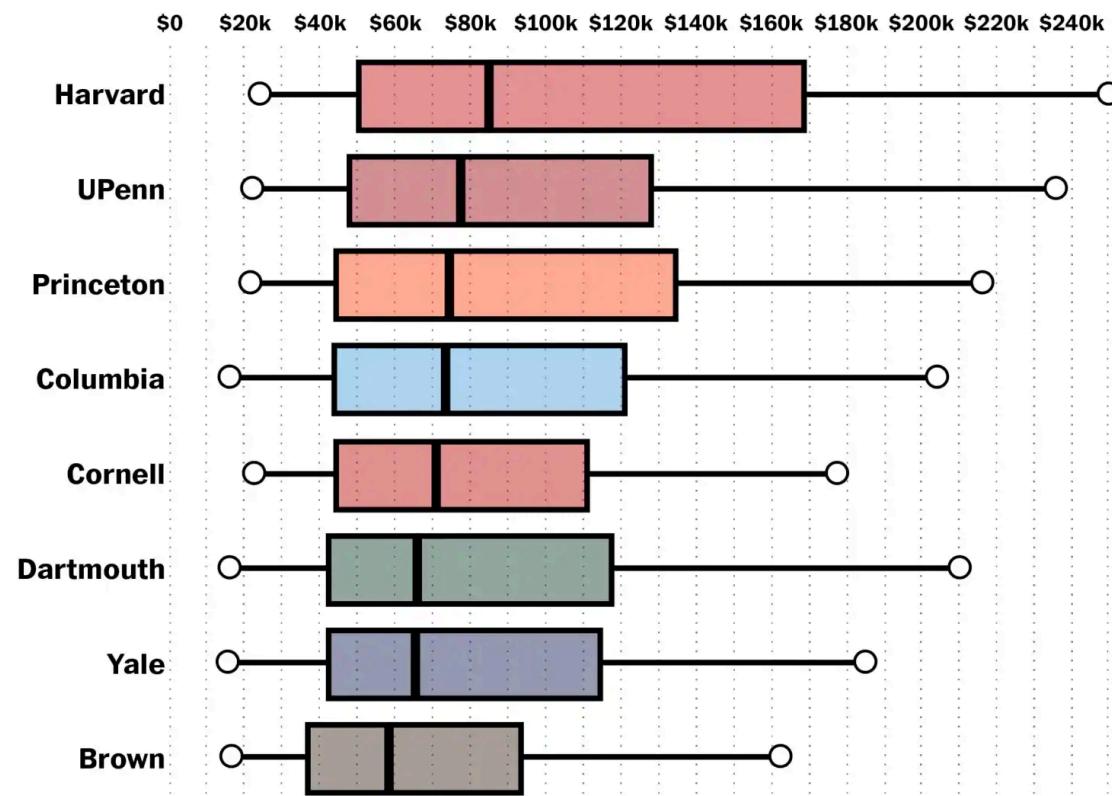
box-and-whisker plot

boxplot

Ranking the Ivies

Annual earnings distributions, 10 years after starting school

How to read



charts

box-and-whisker plot

boxplot

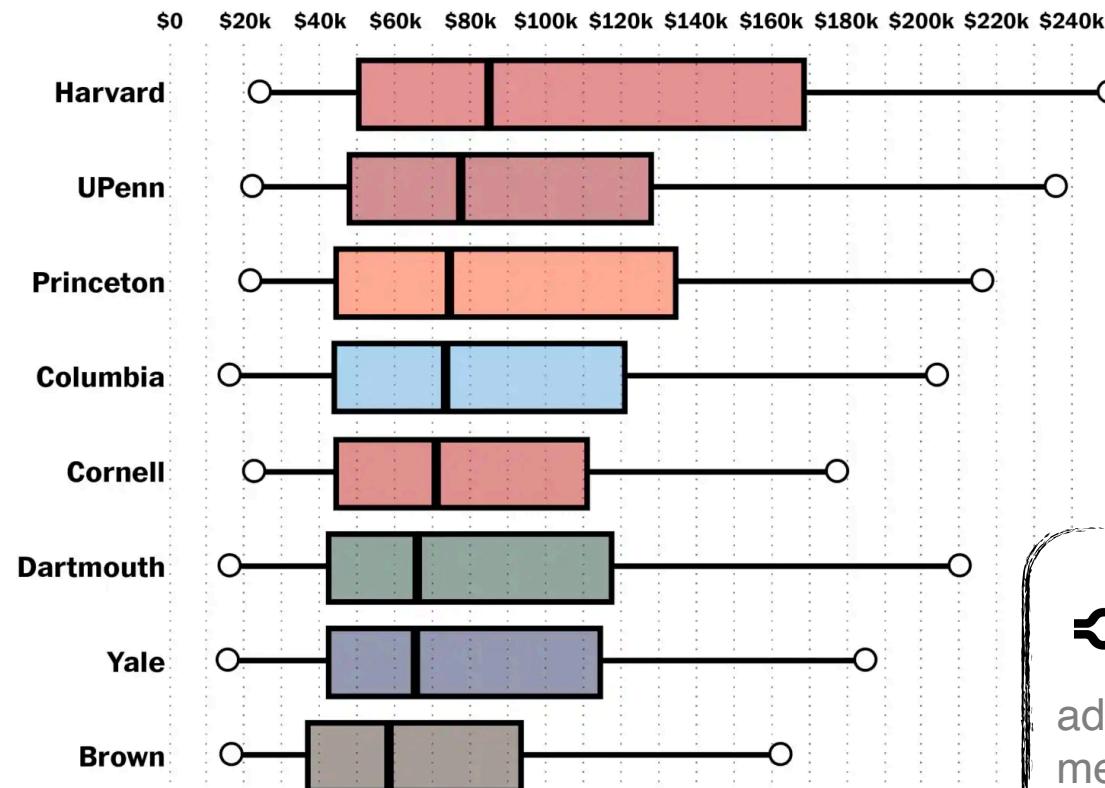
Ranking the Ivies

Annual earnings distributions, 10 years after starting school



check for
statistical
differences

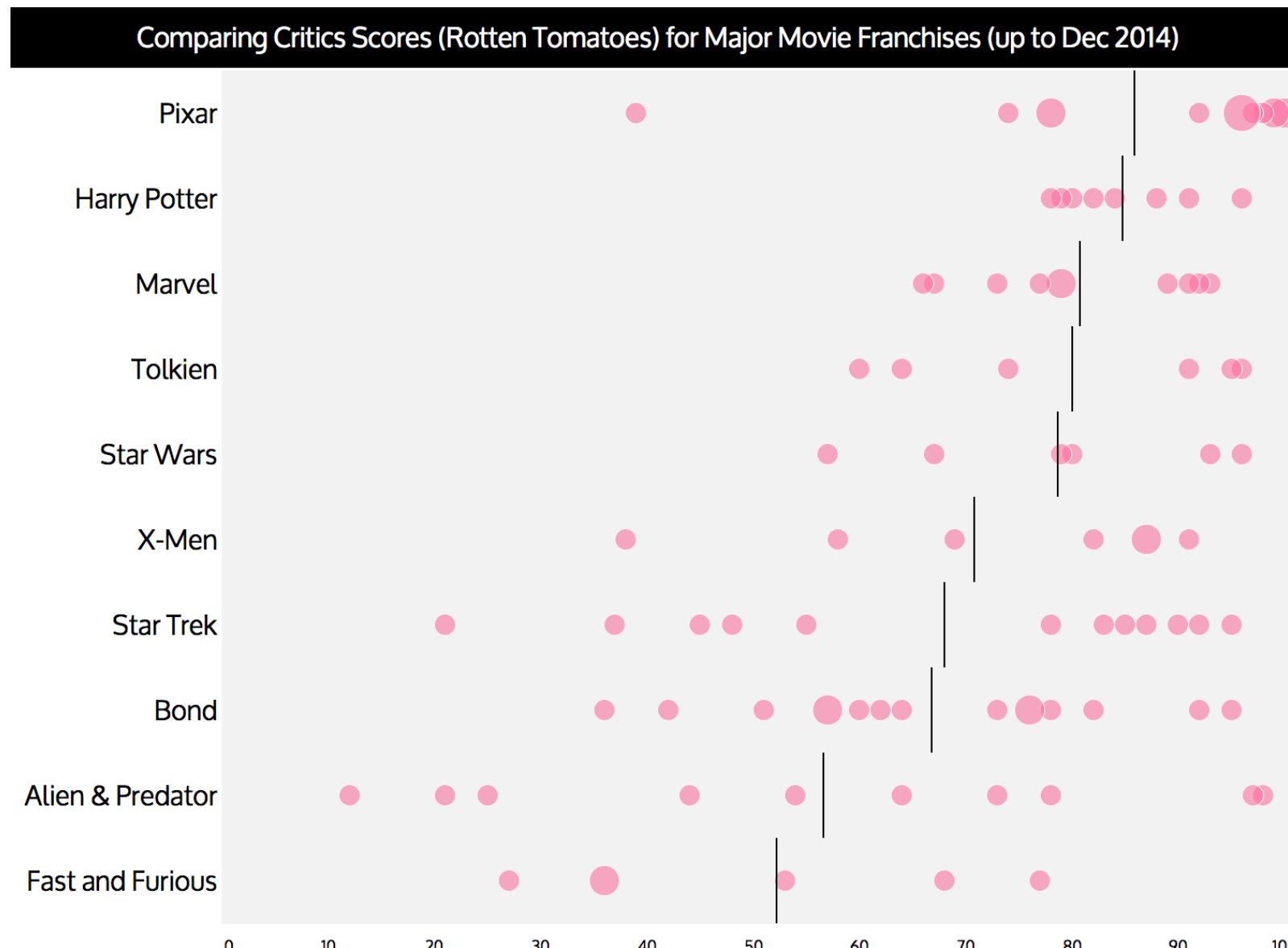
How to read



add all points if
meaningful

univariate scatterplot

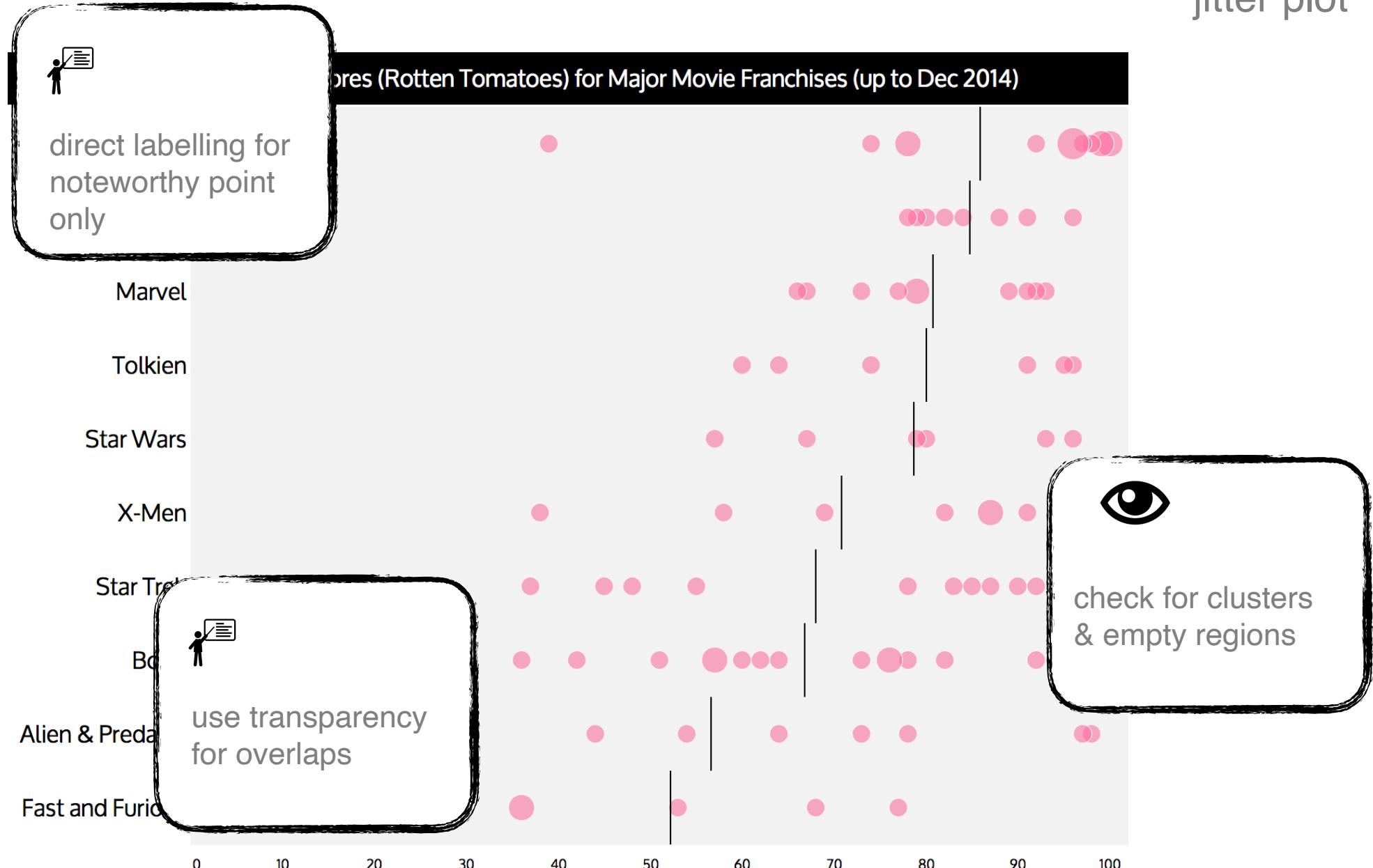
jitter plot



chrts

univariate scatterplot

jitter plot

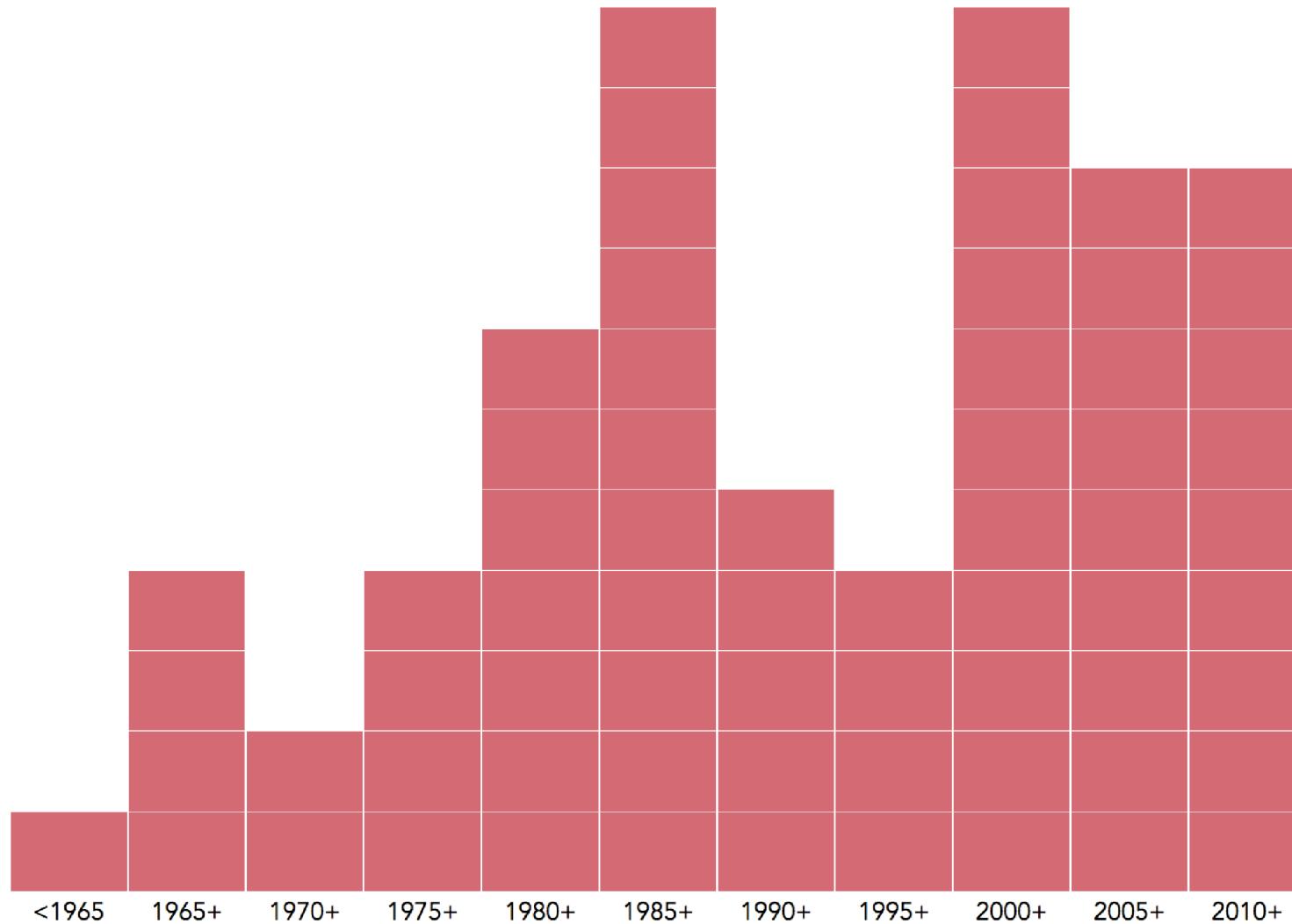


chrts

histogram

A career in numbers: Movies starring Michael Caine

bar~~X~~chart



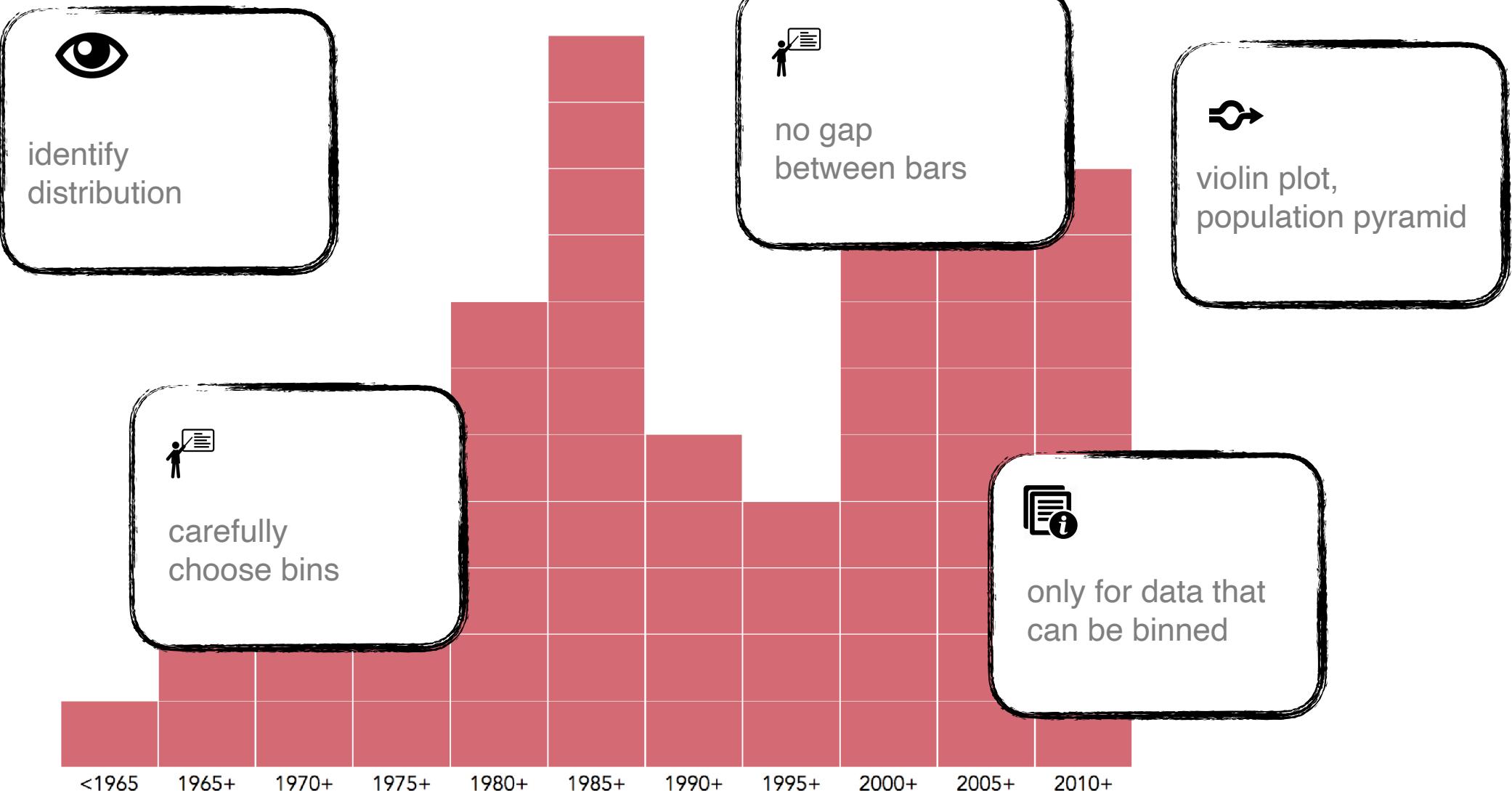
Based on year of release, theatrical releases only.

chrts

histogram

A career in numbers: Movies starring Michael Caine

bar~~x~~chart

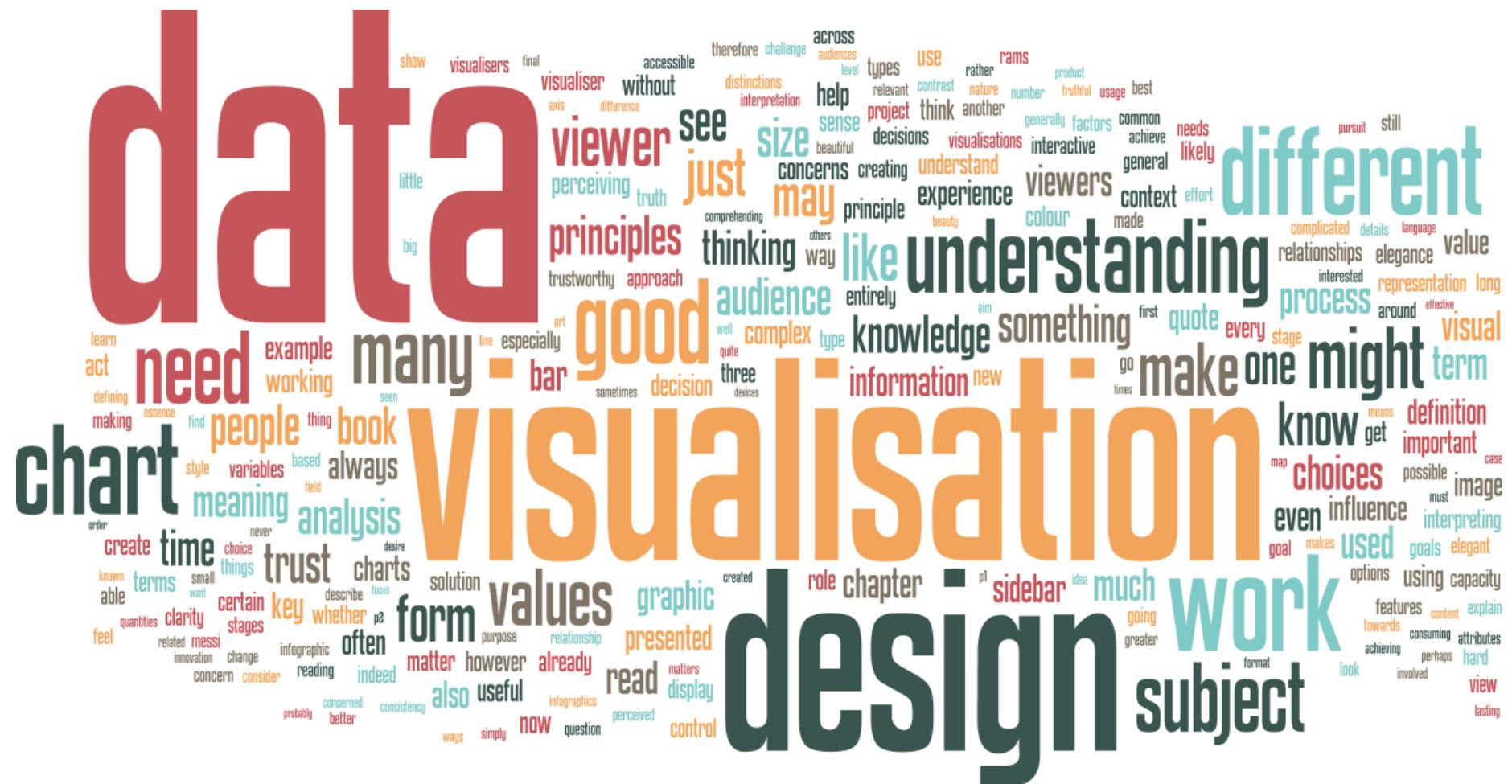


Based on year of release, theatrical releases only.

chrts

word cloud

tag cloud



charts

word cloud

tag cloud

