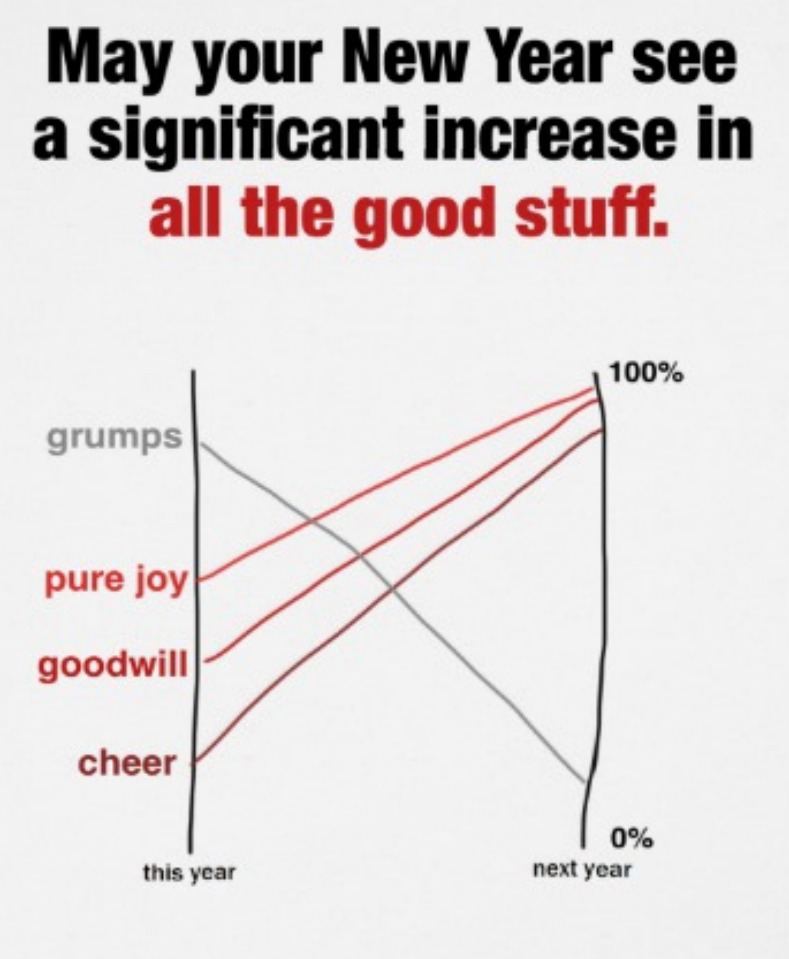
Comparisons



R Markdown

Comparisons

Some gRRReat stuff

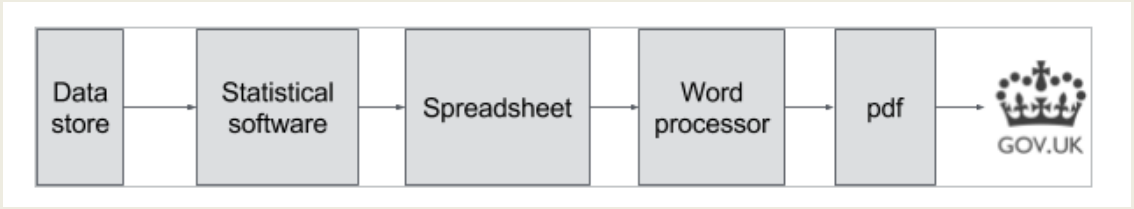
Why R Markdown?

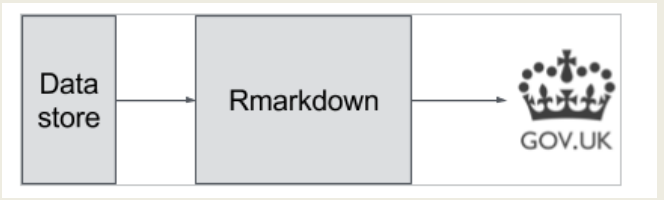
3.1.2 Data Visualization

We use ggplot2 as our main package to create ad-hoc exploratory graphics as well as polished-looking customized visualizations. When combined with tools to clean and transform data, ggplot2 allows analysts to quickly translate insights into high quality, compelling visualizations. In addition to the static graphics of `ggplot2`, we often make interactive visualizations or dashboards using R packages such as `plotly` (Sievert et al. 2017), `leaflet` (Cheng et al. 2017), `dygraphs` (Vanderkam et al. 2017), `DiagrammeR` (Sveidqvist et al. 2017), and `shiny` (Chang et al. 2017).

3.1.3 Reproducible Research

At Airbnb, all R analyses are documented in `rmarkdown`, where code and visualizations are combined within a single written report. Posts are carefully reviewed by experts in the content area and techniques used, both in terms of methodologies and code style, before publishing and sharing with the business partners. The peer review process is





http://archive.somervillema.gov/dashboard/daily.html

R Markdown style and etiquette

Markdown quirks

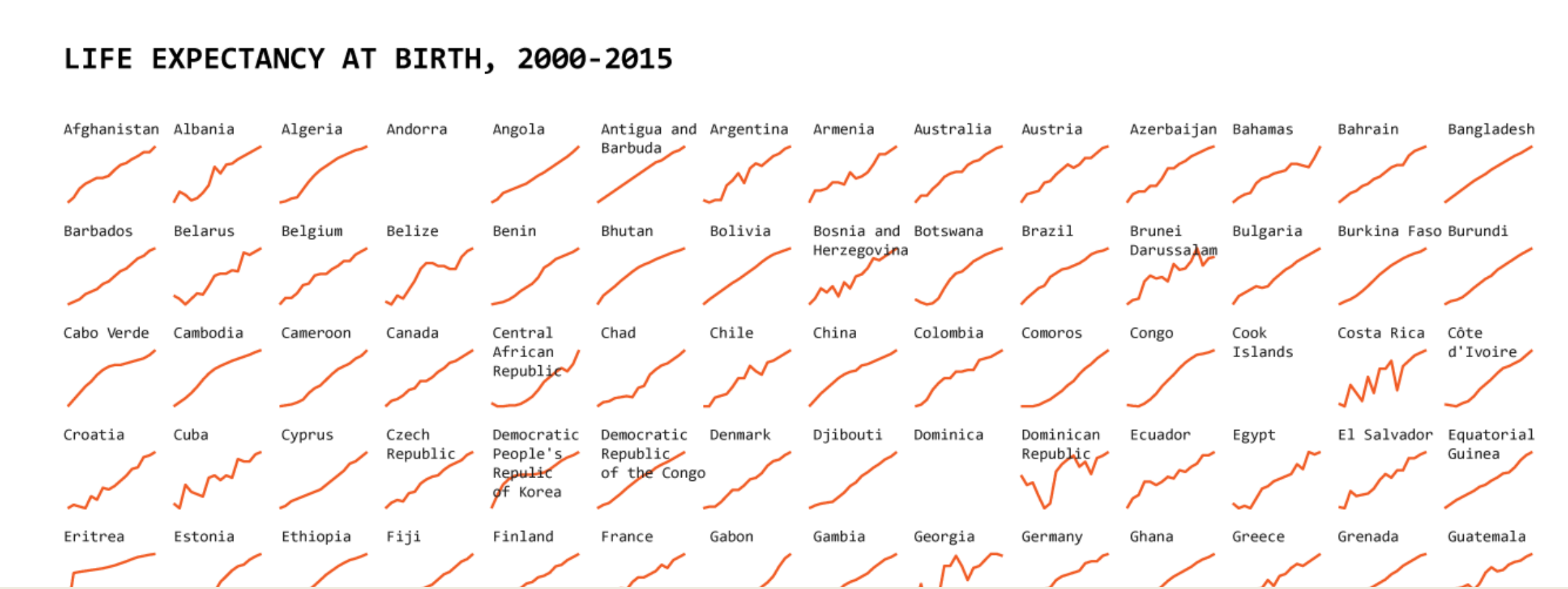
stackedit.io/editor

Clean output

Figure dimensions, warnings and messages

Comparisons

Small multiples



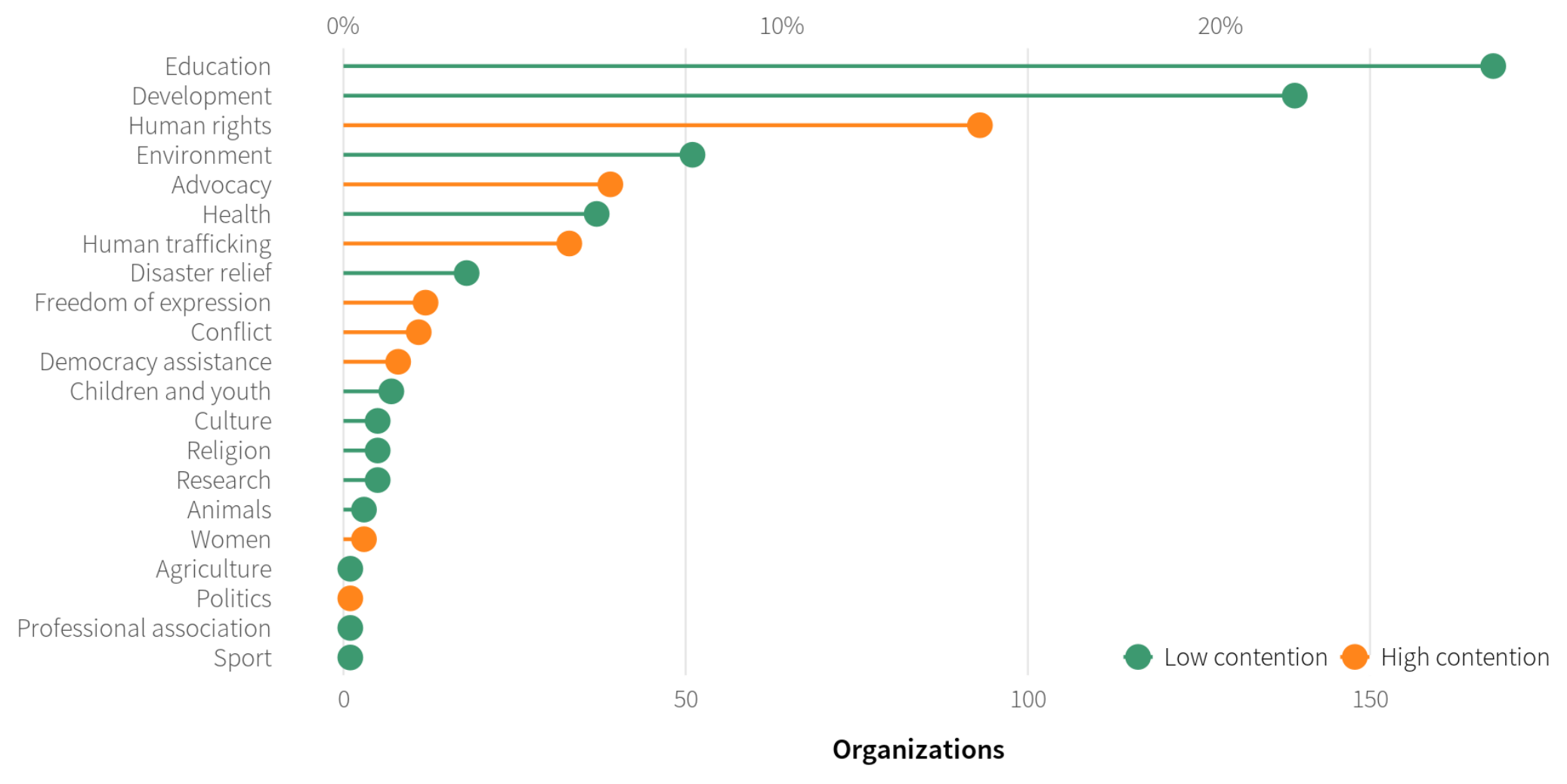
Sparklines

Mauricio Pochettino has lead Spurs on their best run 8TH 2ND in 24 years of the Premier League

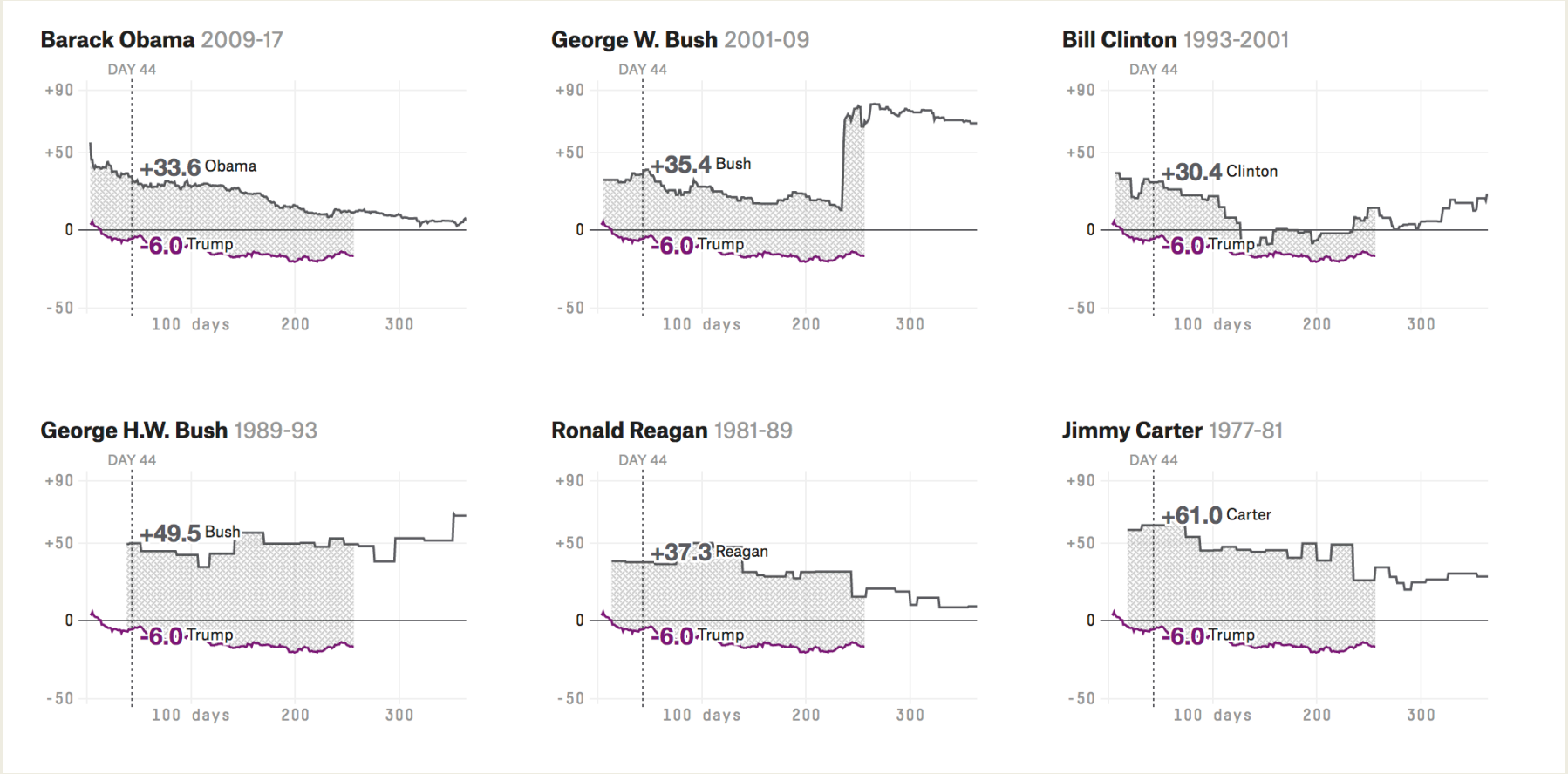
Alibaba stock is at 5 yr high 93.89 152.11 as of July 2017

The FTSE100 Brexit bounce 5562 7501 continues one year on from the vote last summer

Lollipops

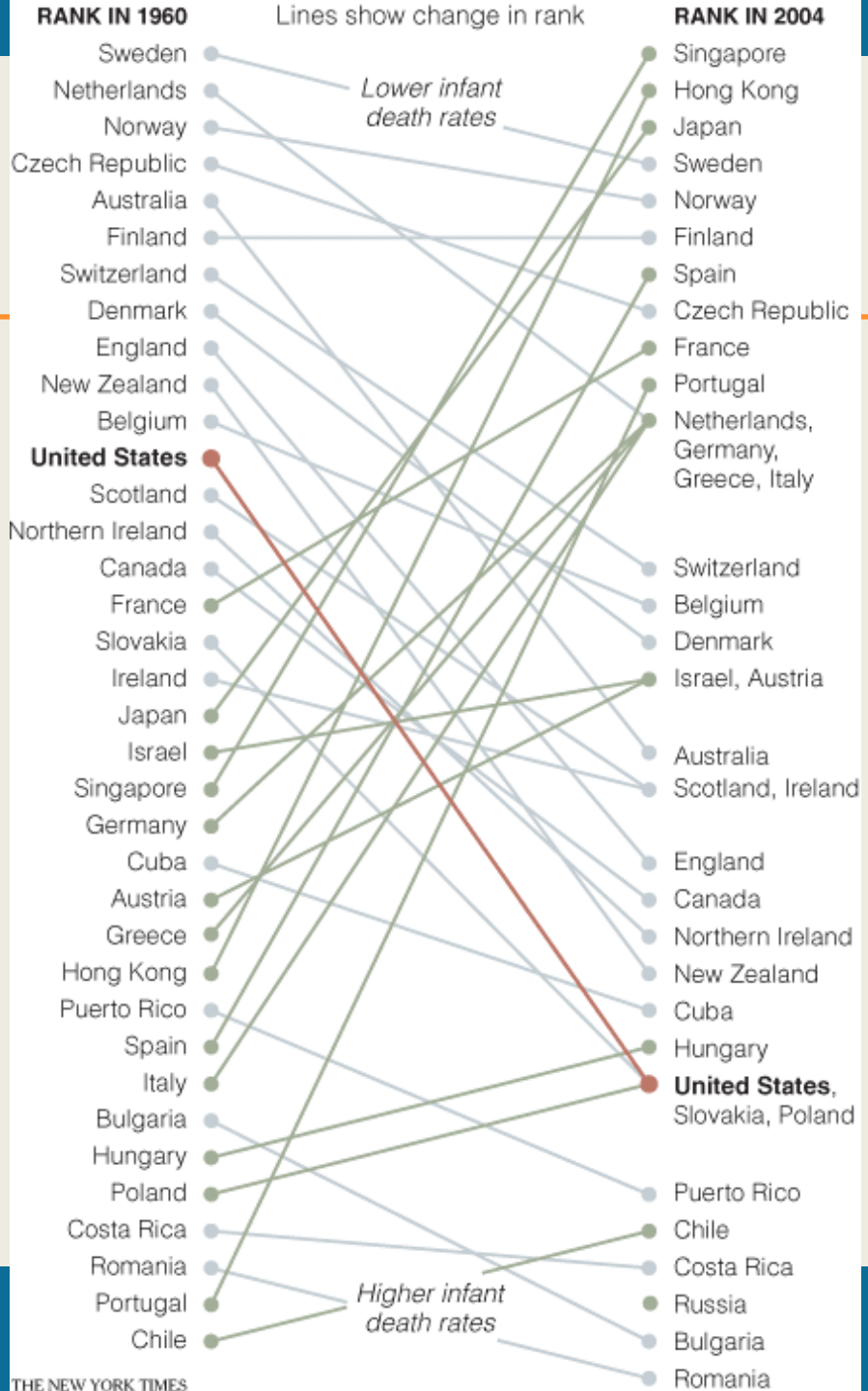

0%
10%
20%
Education
Development
Human rights
Environment
Advocacy
Health
Human trafficking
Disaster relief
Freedom of expression
Conflict
Democracy assistance
Children and youth
Culture
Religion
Research
Animals
Women
Agriculture
Politics
Professional association
Sport
Low contention
High contention
0
50
100
150
Organizations

Small multiples

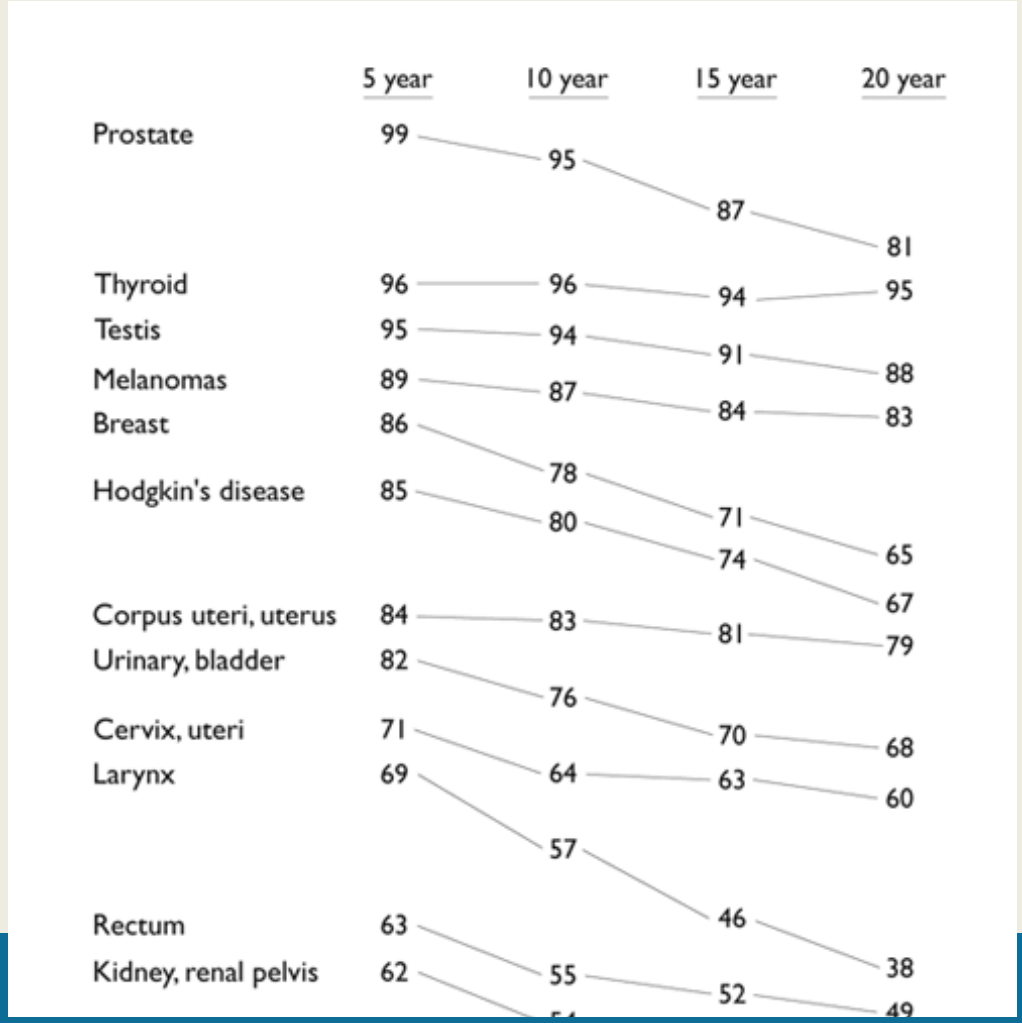


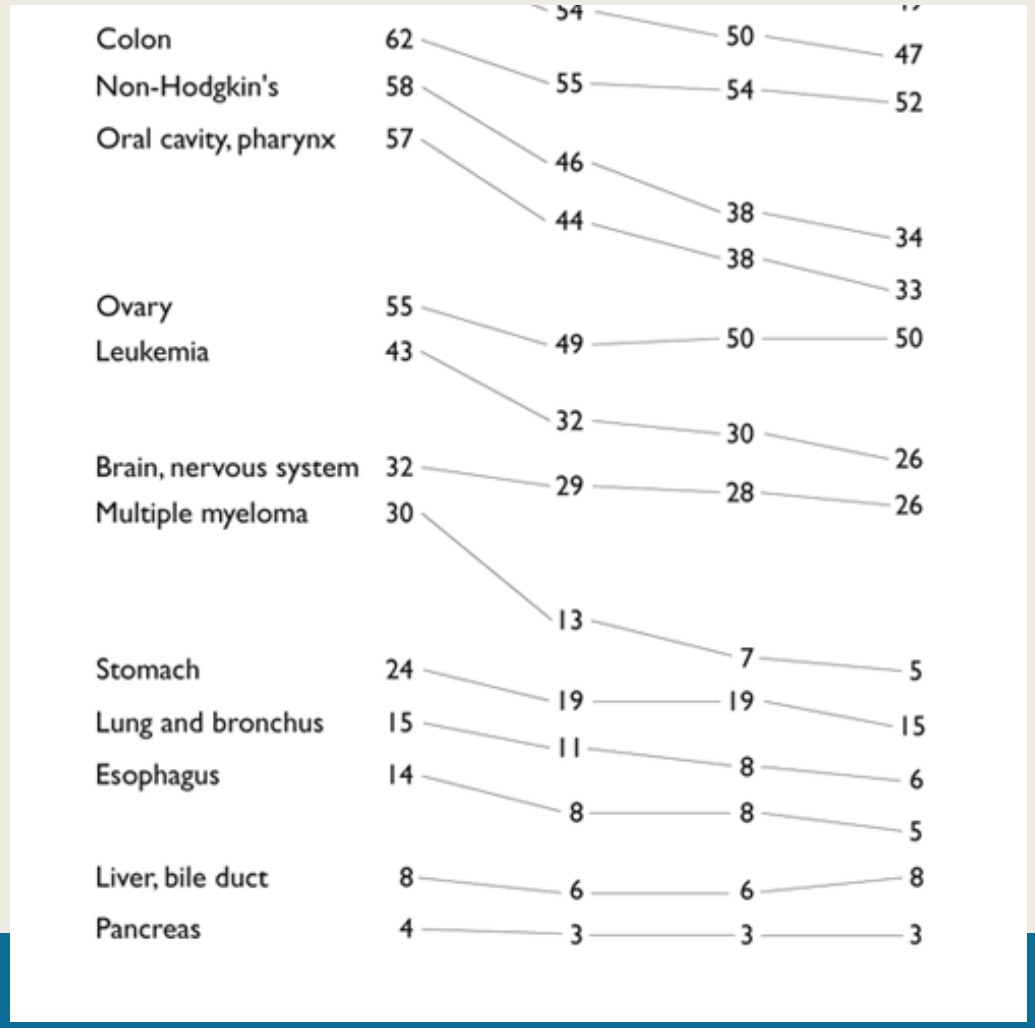
https://projects.fivethirtyeight.com/trump-approval-ratings/

Slopegraphs

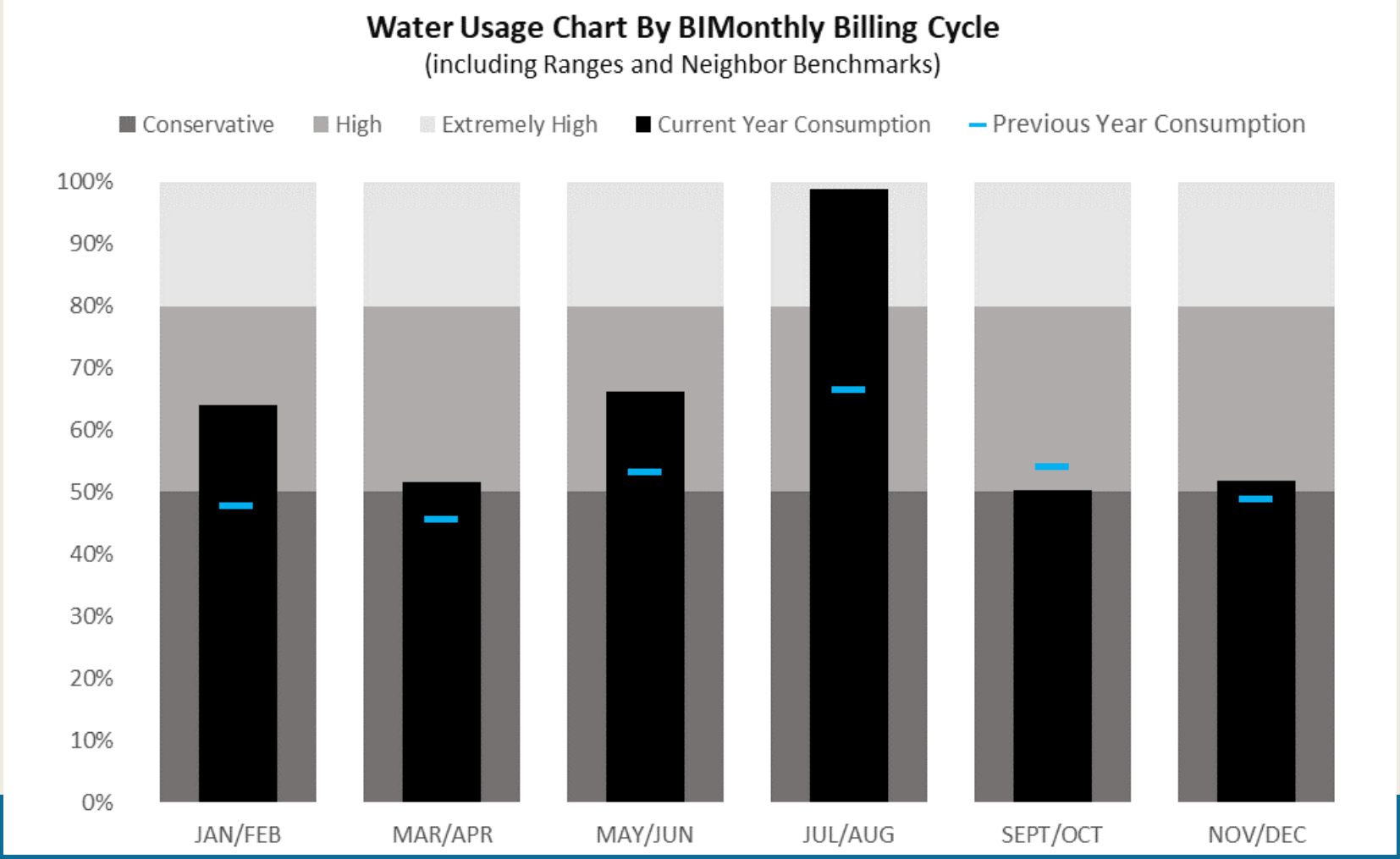


Slopegraphs





Bullet charts



When to use which? Which is best?

Sparklines

Small multiples

Lollipops

Slopegraphs

Bullet charts

🎉 Some gRRReat stuff! 🎉