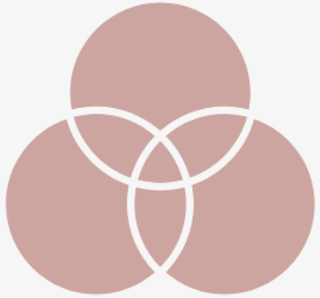
Northwestern University

Exploring Different Chart Types – Part 2

Week 7



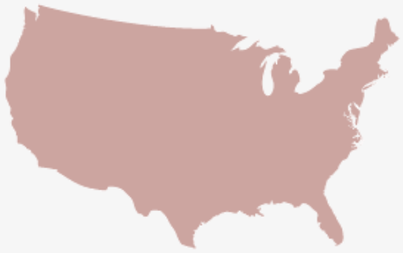
RELATIONSHIP

COMPARING CATEGORIES

DISTRIBUTION

TIME

PART-TO-WHOLE



GEOSPATIAL

RELATIONSHIP

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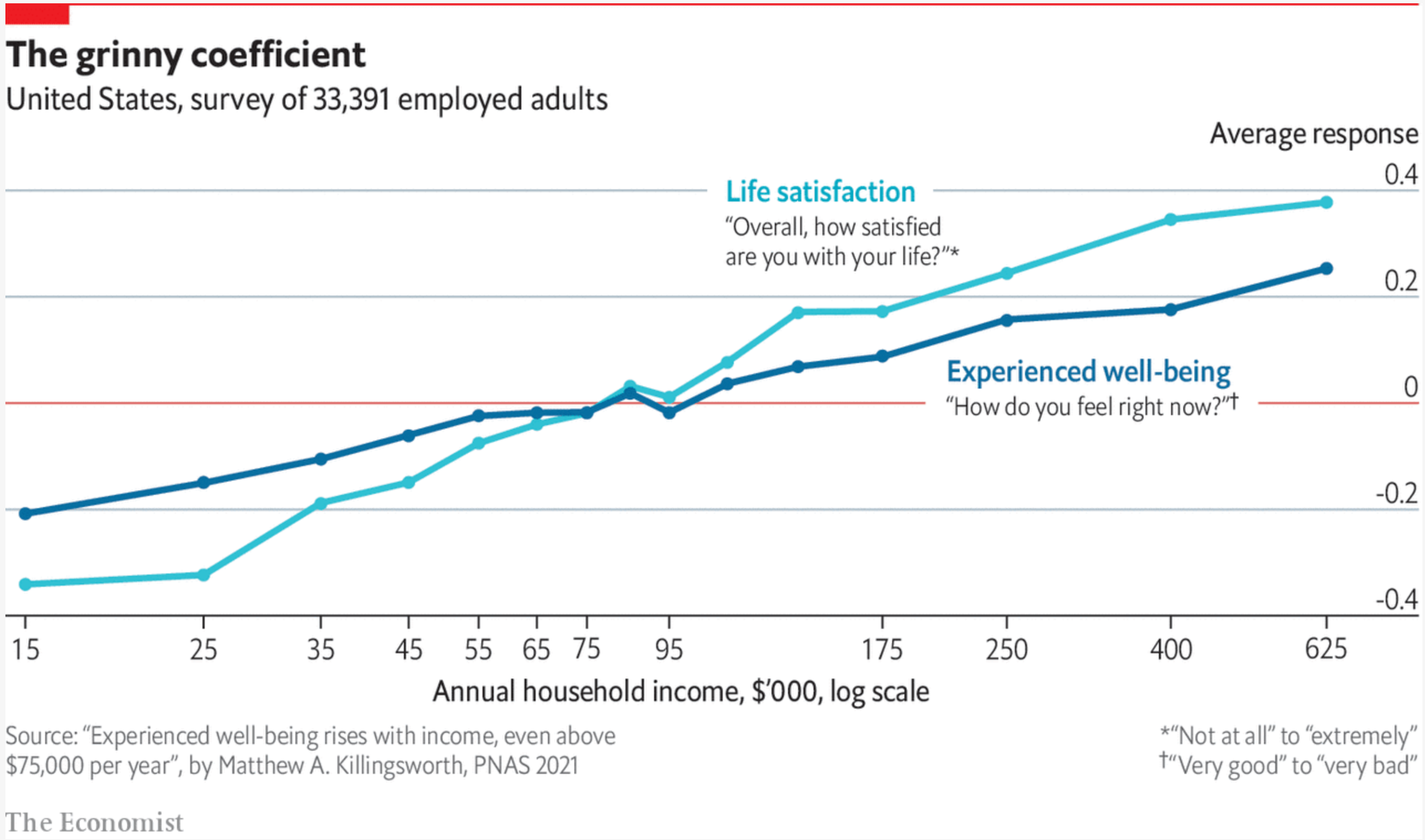
PART-TO-WHOLE

GEOSPATIAL

TIME

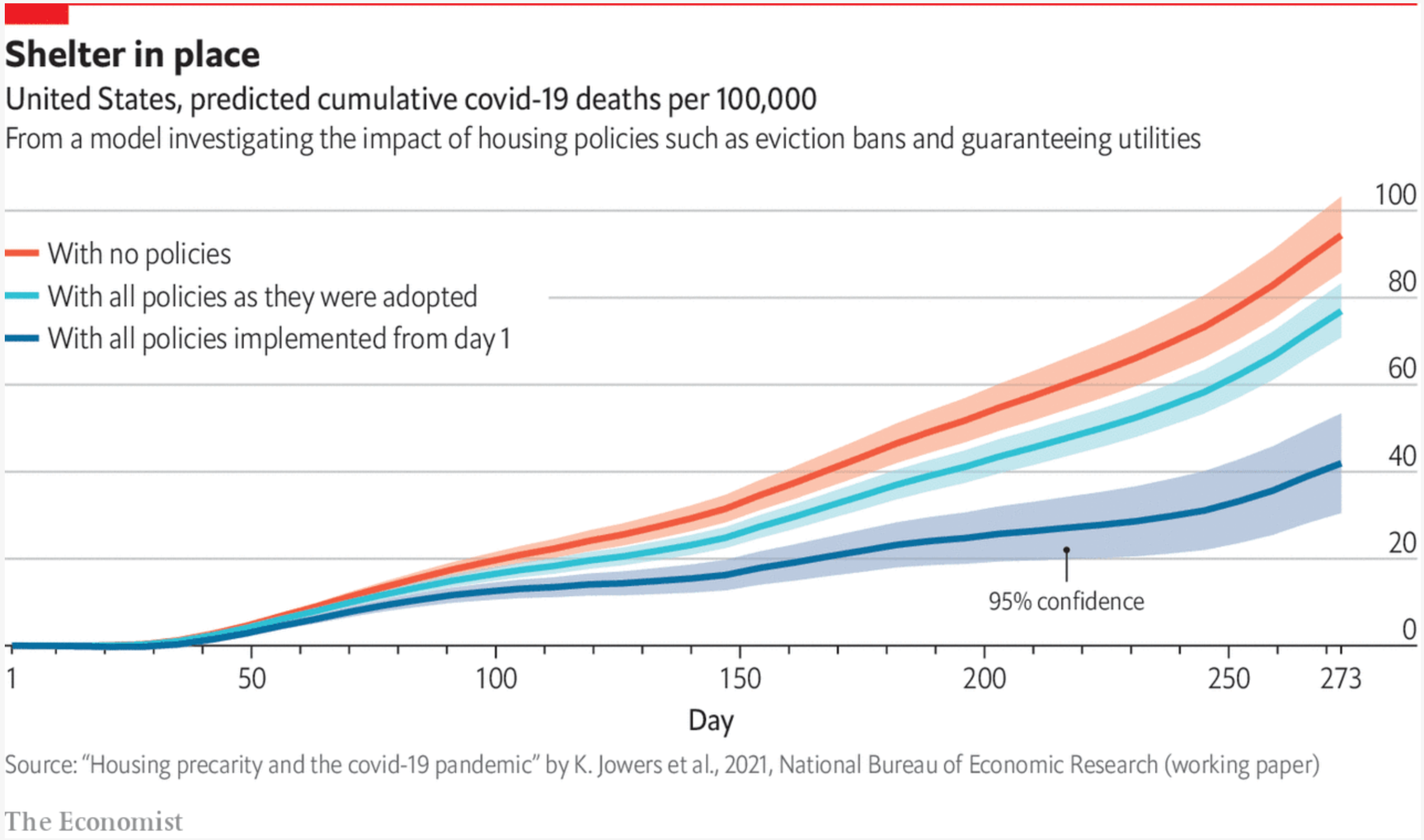
Line Chart



Source: https://www.economist.com/graphic-detail/2021/02/05/money-buys-happiness-but-euphoria-comes-dear

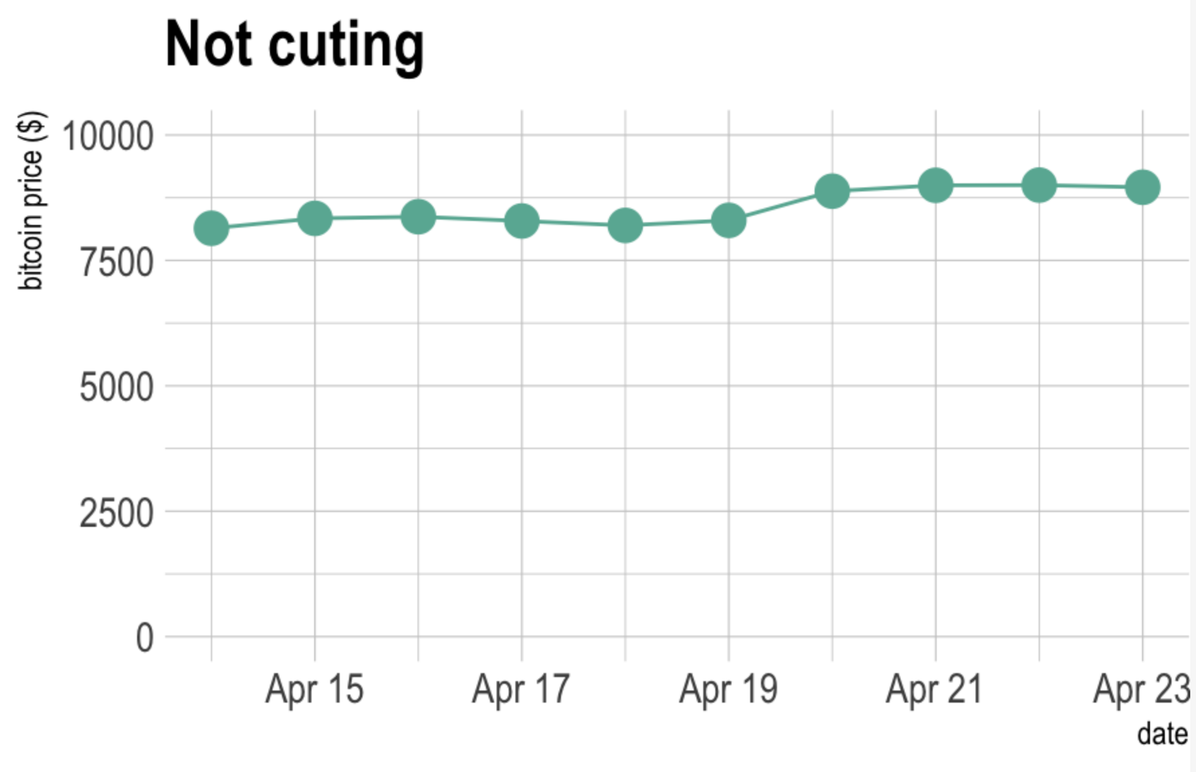
TIME

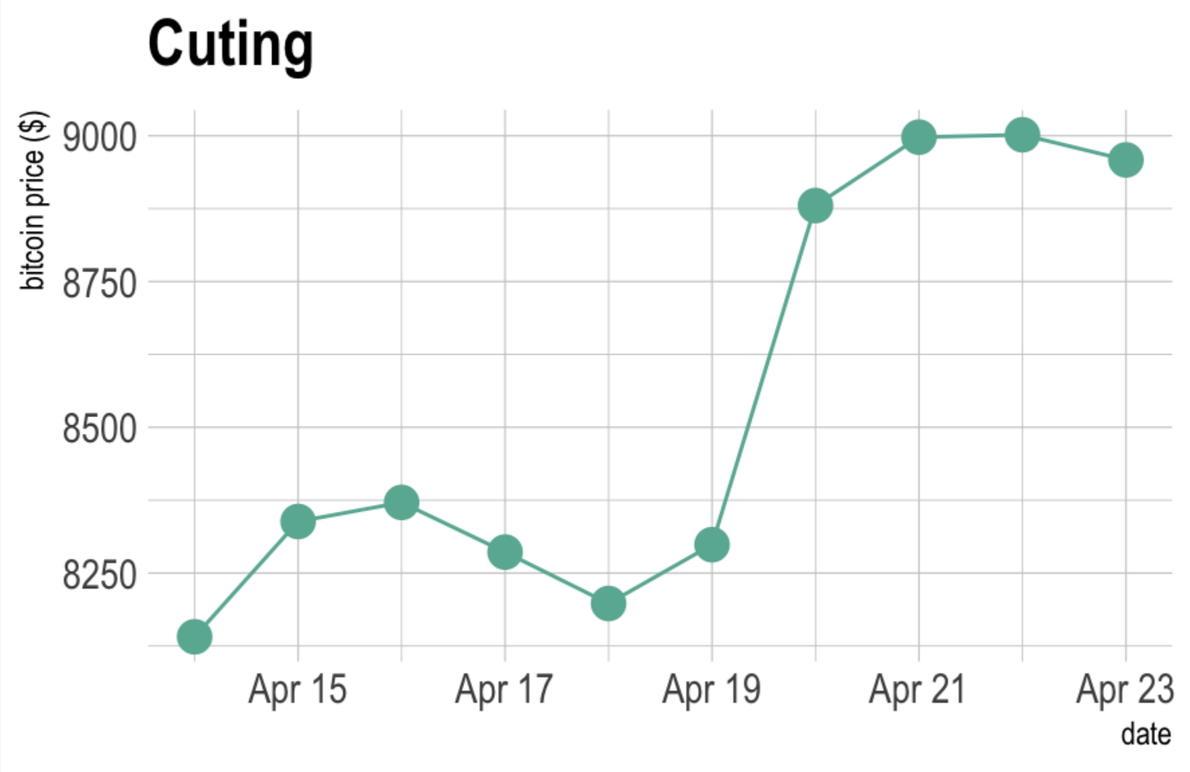
Line Chart



Source: https://www.economist.com/graphic-detail/2021/02/19/americas-eviction-moratorium-has-probably-saved-thousands-of-lives

TIME

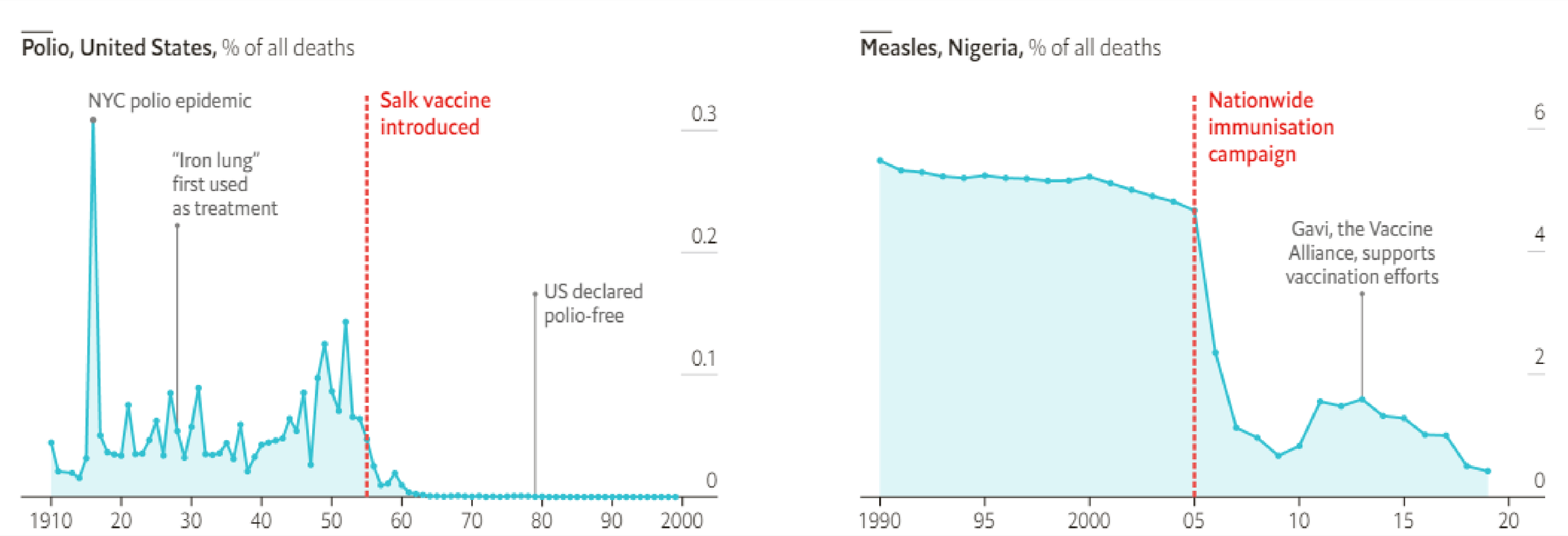




Source: https://www.data-to-viz.com/graph/line.html

TIME

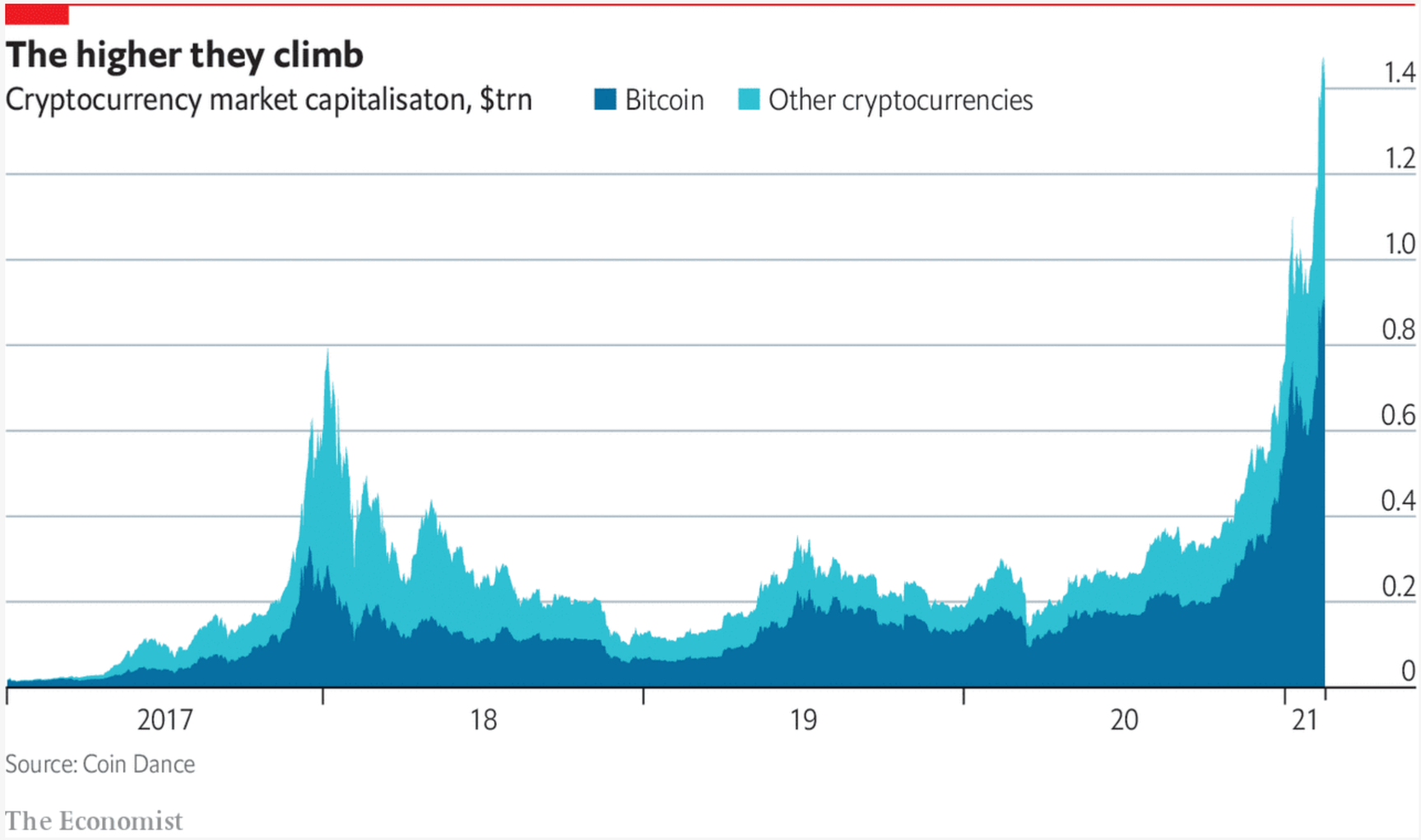
Area Chart



Source: https://www.economist.com/graphic-detail/2021/01/23/the-smallpox-vaccine-took-decades-to-bear-fruit

TIME

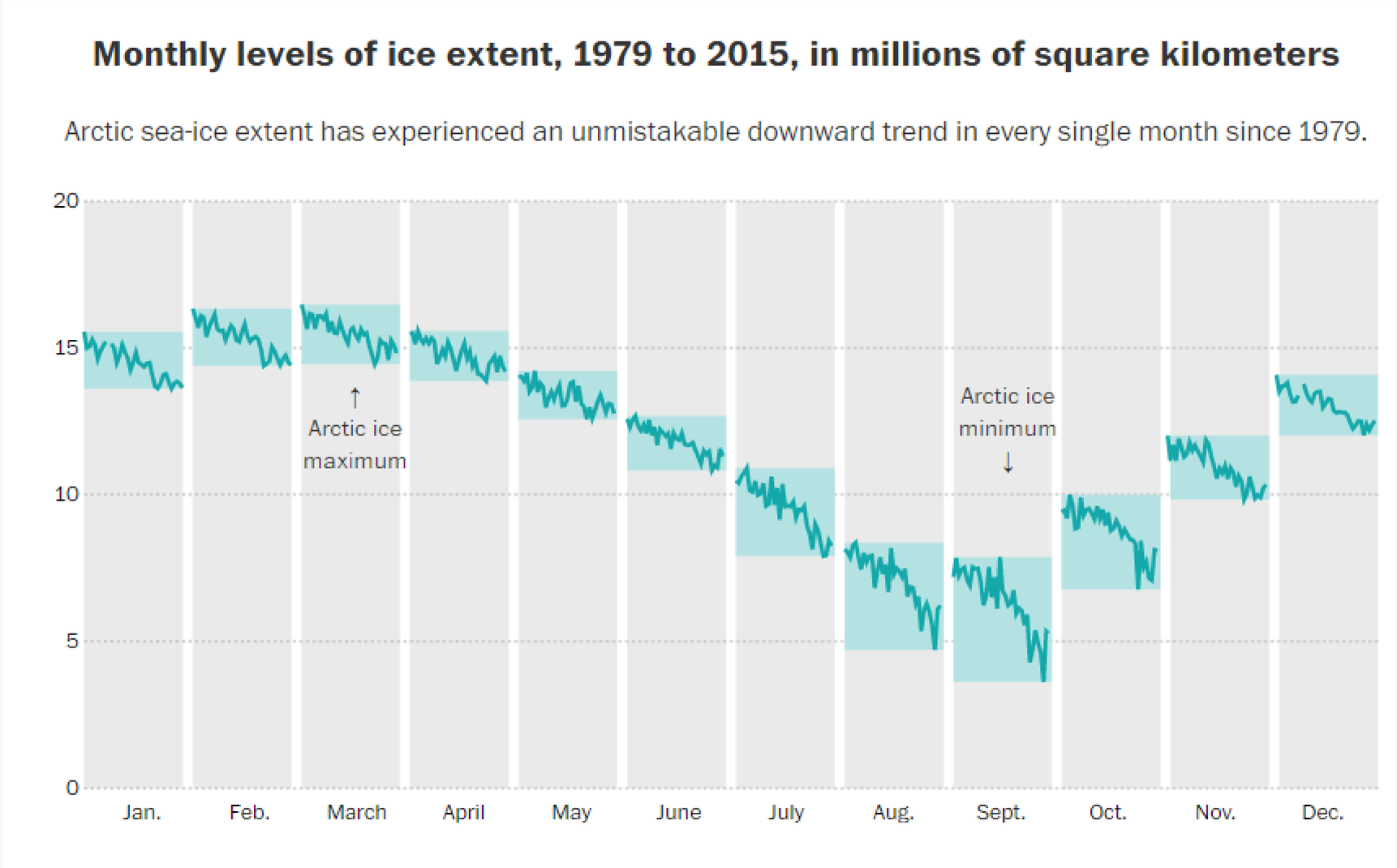
Stacked Area Chart



Source: https://www.economist.com/graphic-detail/2021/02/16/bitcoin-hits-50000-for-first-time

TIME

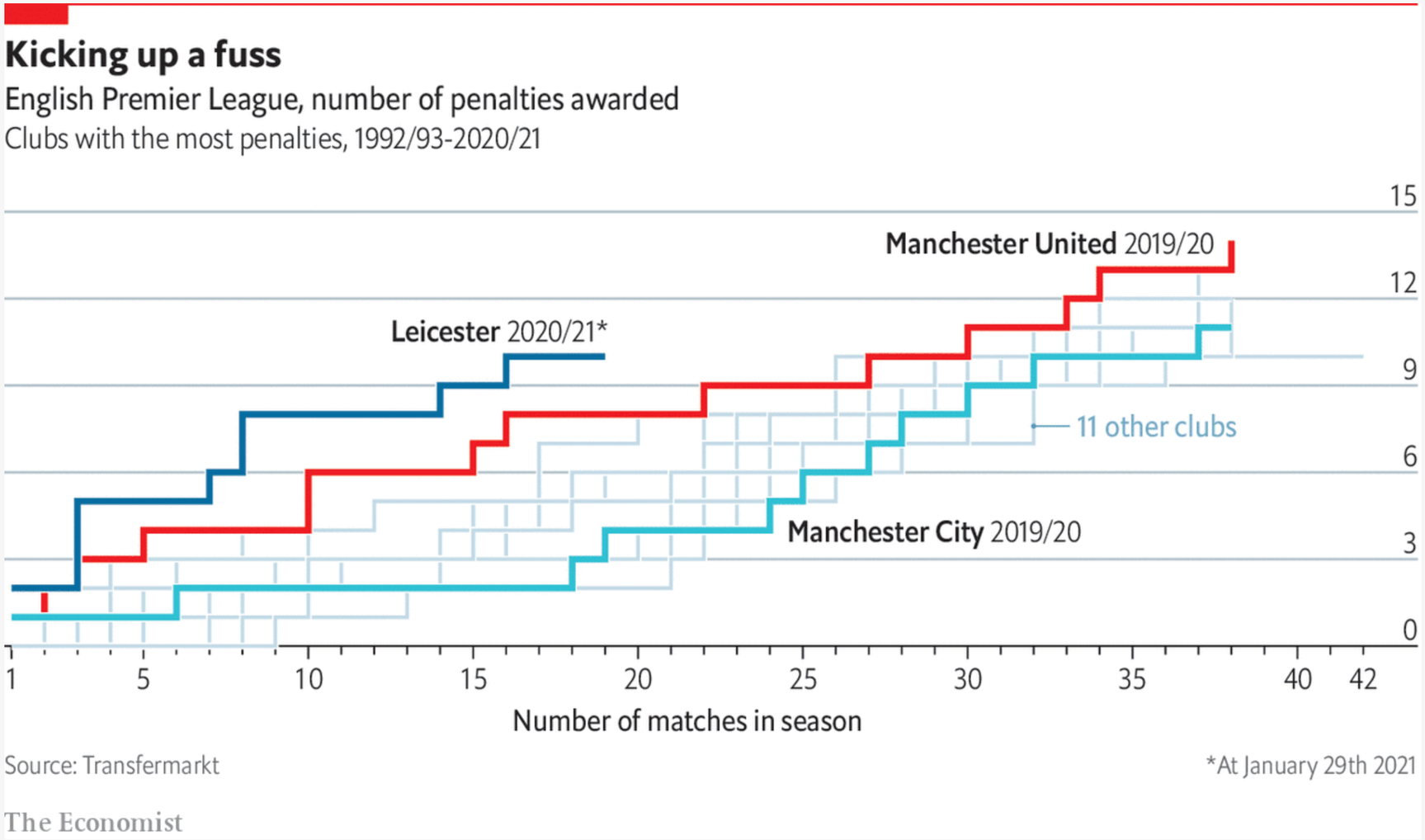
Cycle Graph



Source: https://www.washingtonpost.com/graphics/national/arctic-ice-2015/

TIME

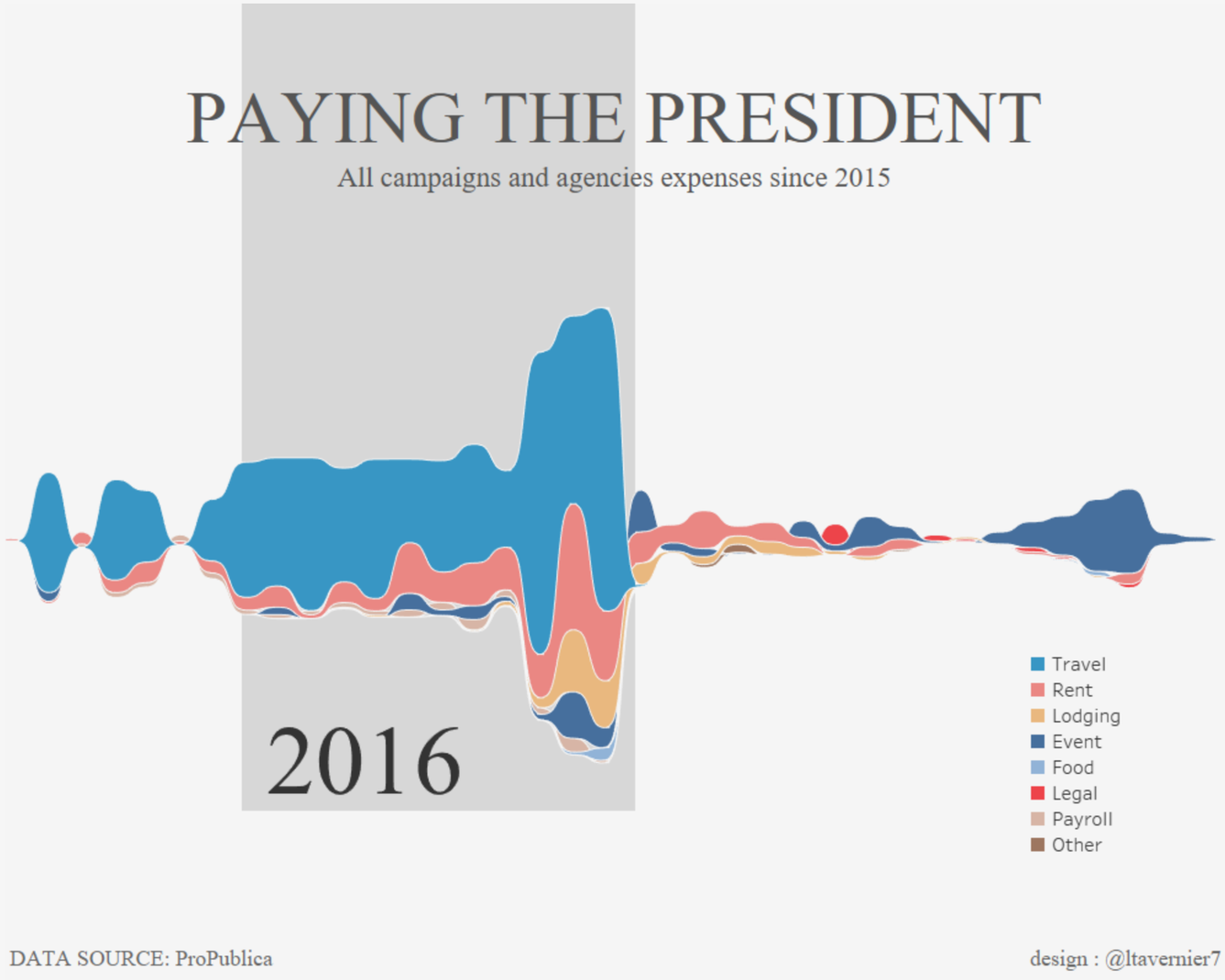
Step Chart



Source: https://www.economist.com/graphic-detail/2021/01/29/why-penalties-are-becoming-more-common-in-elite-football

TIME

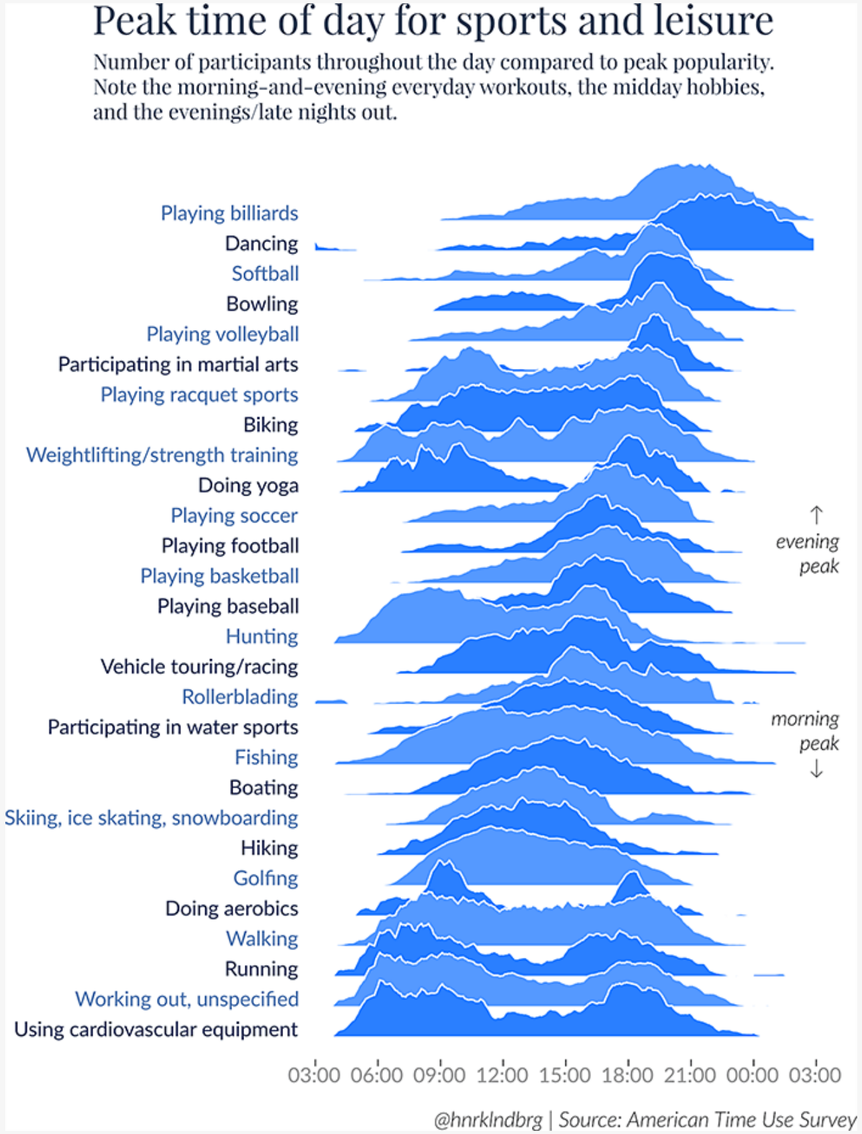
Streamgraph



Source: https://greatified.com/2018/09/17/how-to-build-a-stream-graph-in-tableau-software/

TIME

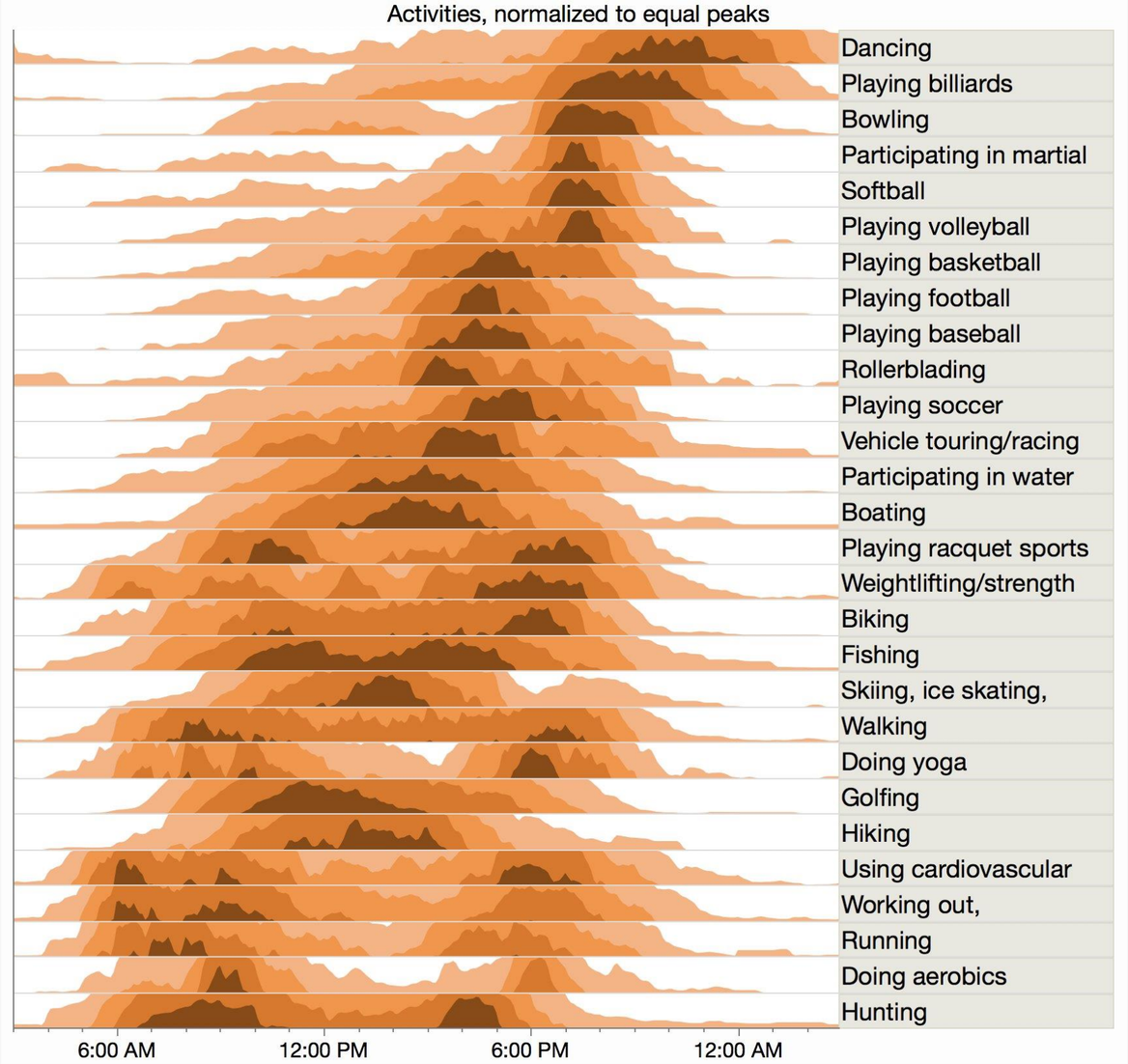
Joy (Ridgeline) Plot



Source: https://eagereyes.org/blog/2017/joy-plots

TIME

Horizon Chart



Source: https://twitter.com/xangregg/status/883763762381152256/photo/1

RELATIONSHIP

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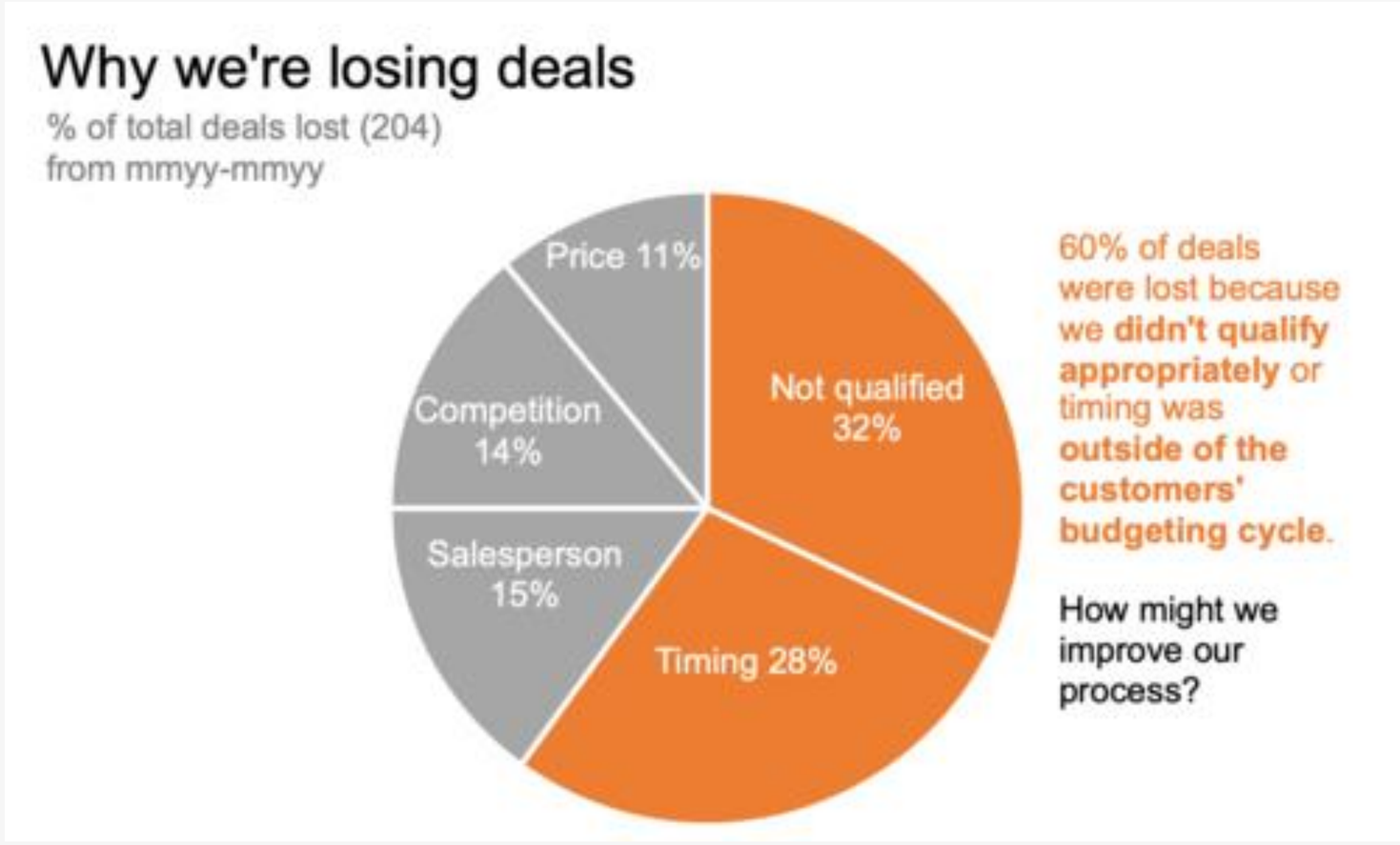
GEOSPATIAL

PART-TO-WHOLE

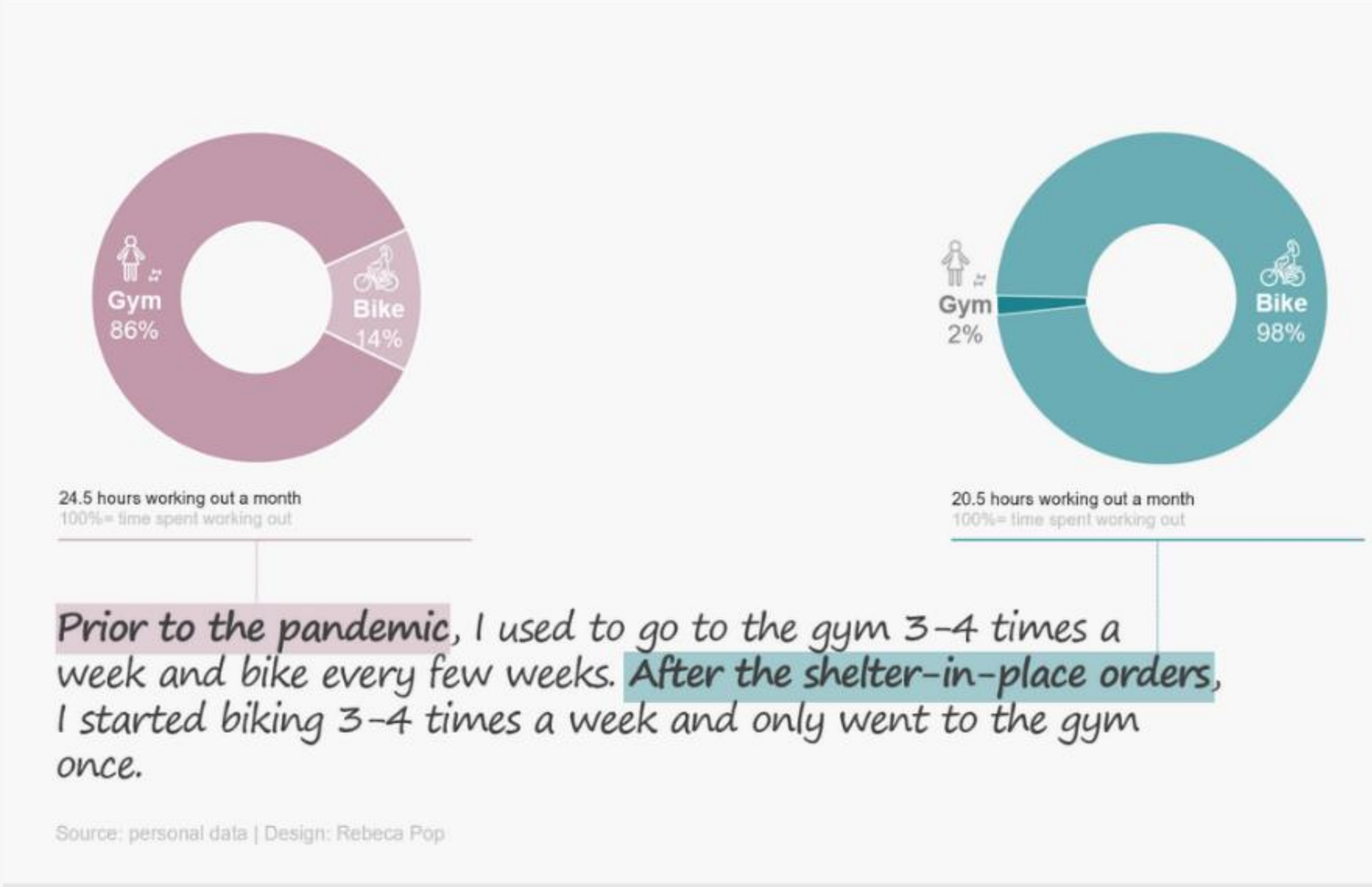
Pie Chart



Source: http://www.storytellingwithdata.com/blog/2020/2/26/how-to-make-a-better-pie-chart

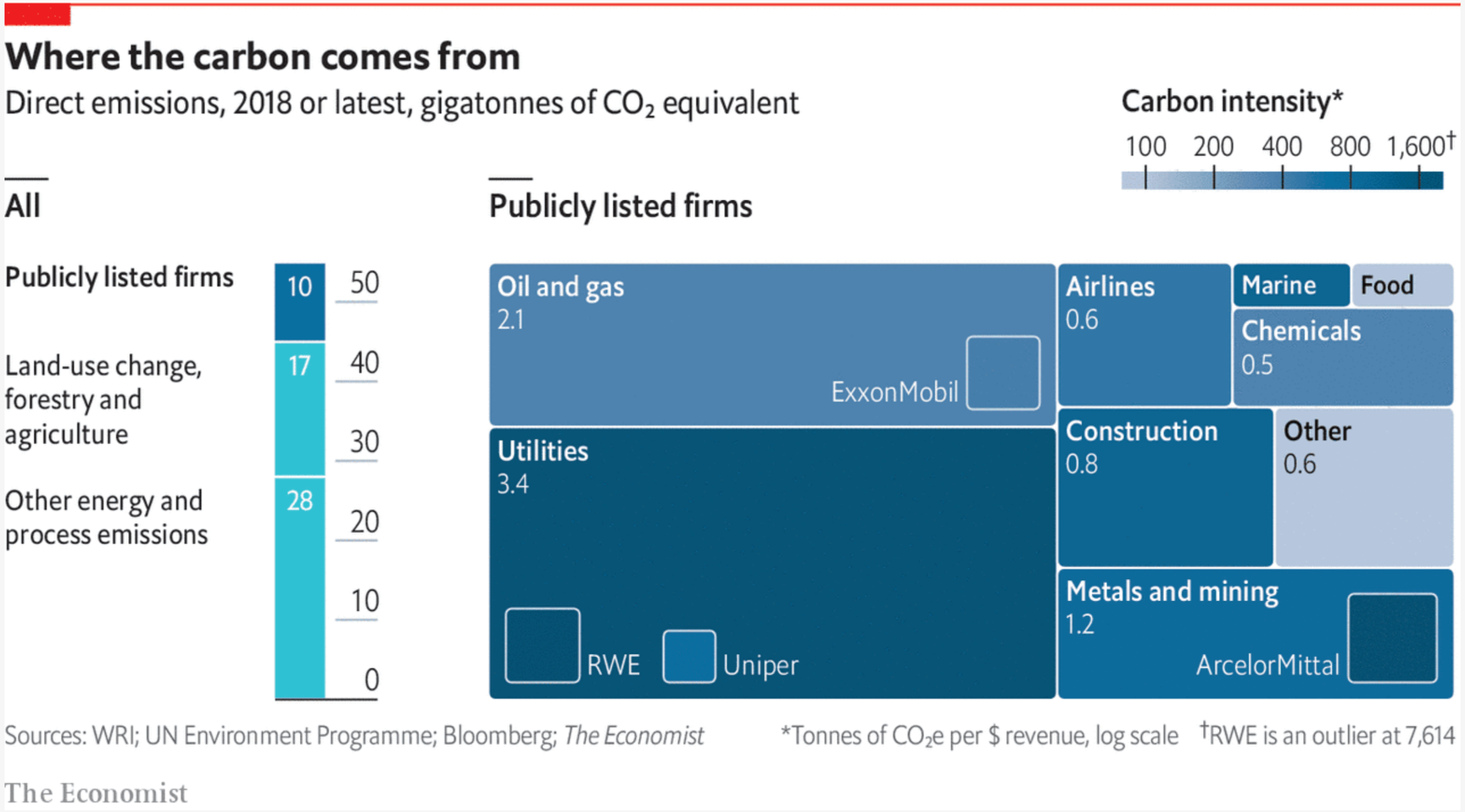
PART-TO-WHOLE

Donut Chart



PART-TO-WHOLE

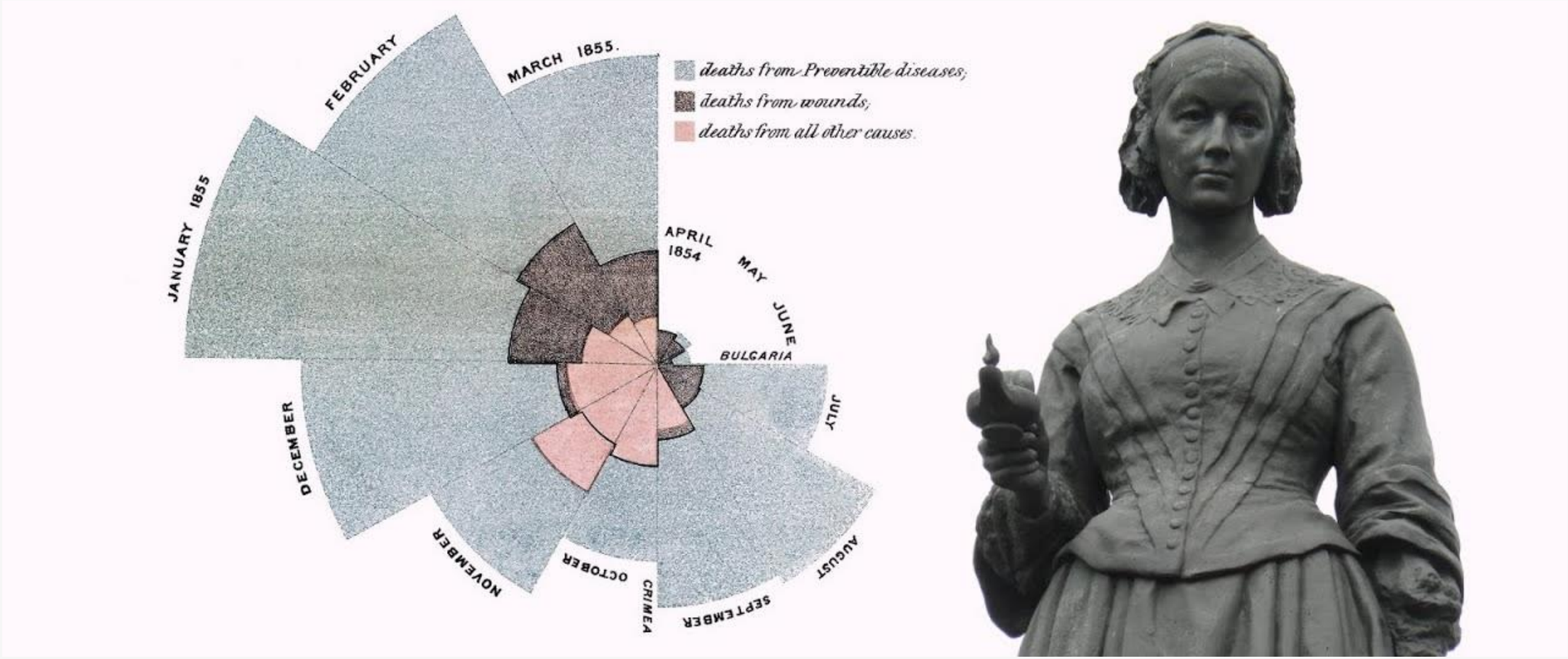
Treemap



Source: https://www.economist.com/graphic-detail/2020/06/22/green-investing-is-red-hot-but-its-impact-is-underwhelming

PART-TO-WHOLE

Nightingale (Coxcomb) Chart



Source: https://www.youtube.com/watch?app=desktop&v=ILzrYJ3OR7E

RELATIONSHIP

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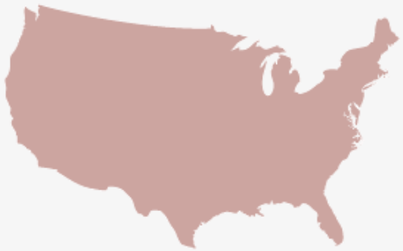


GEOSPATIAL

GEOSPATIAL

Choropleth Map

Source: https://www.economist.com/graphic-detail/2020/12/30/argentina-legalises-abortion-joining-a-small-latin-american-group

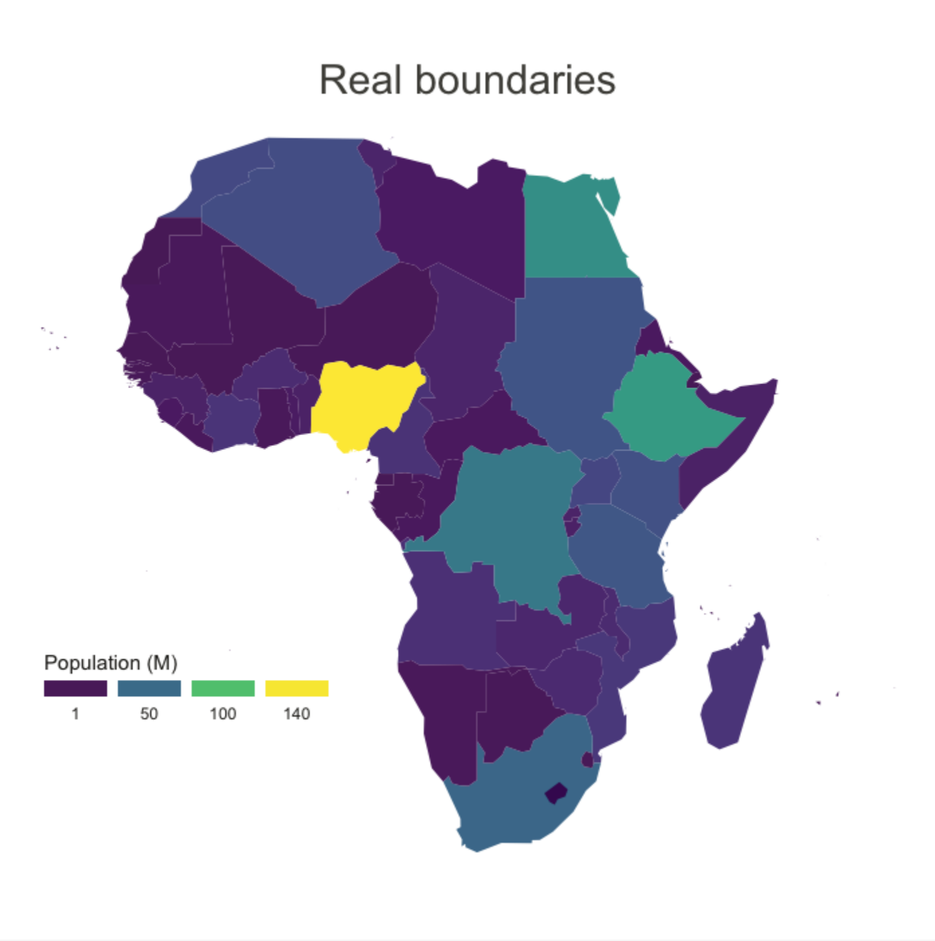
GEOSPATIAL

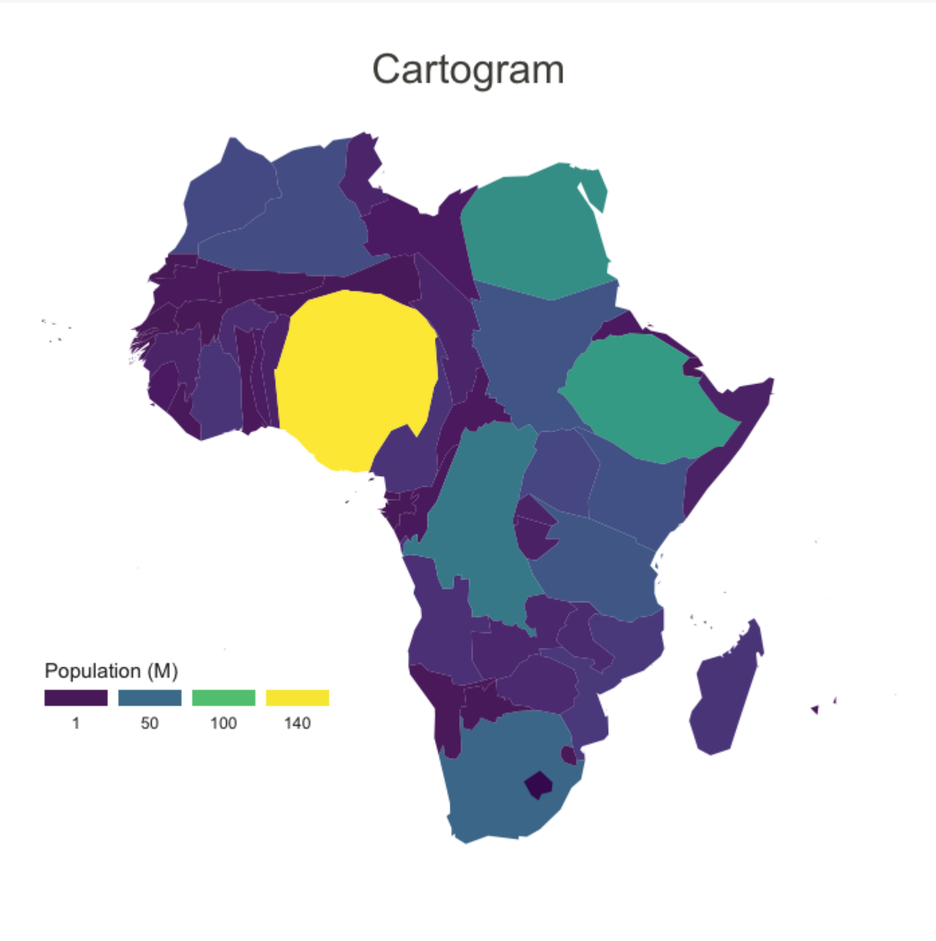
Connection/Flow Map

Source: https://github.com/holtzy/data_to_viz/blob/master/story/IMG/Surfer_travel.png

GEOSPATIAL

Cartogram + Choropleth

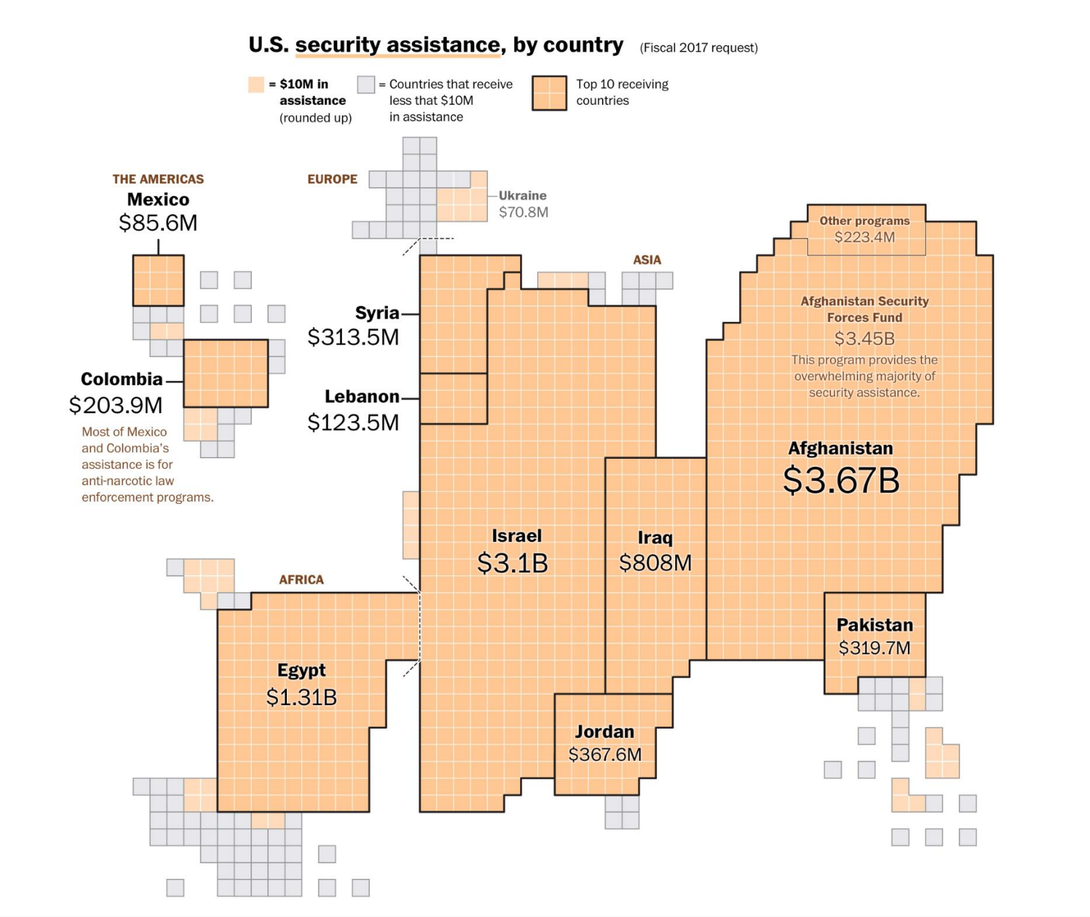




Source: https://www.data-to-viz.com/graph/cartogram.html

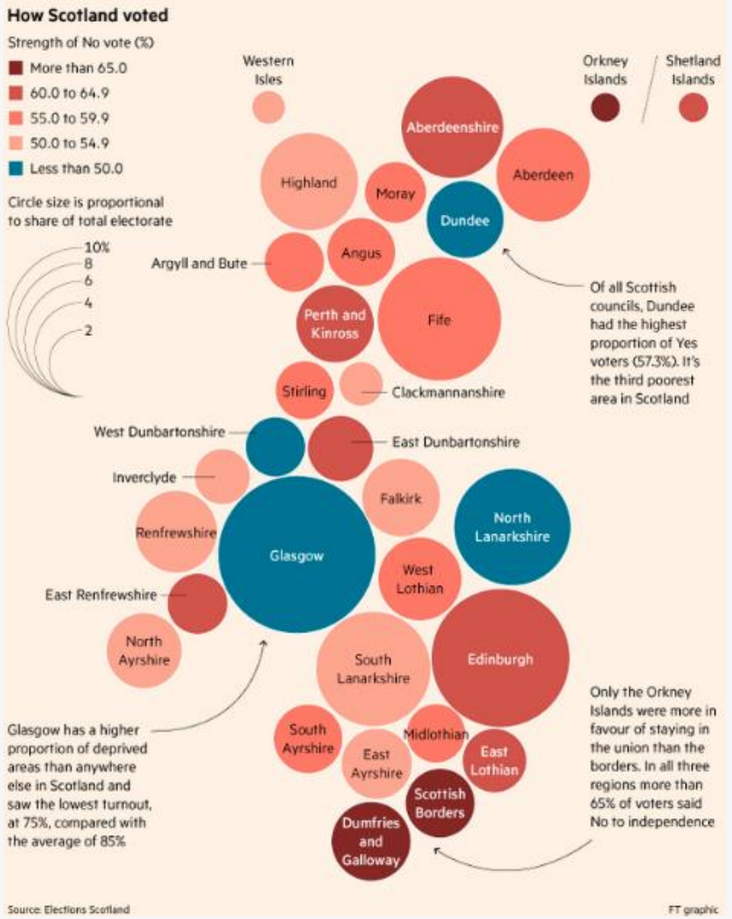
GEOSPATIAL

Mosaic Cartogram



Source: https://datavizproject.com/wp-content/uploads/2016/01/Sk%C3%A6rmbillede-2017-10-20-kl.-16.27.33.png

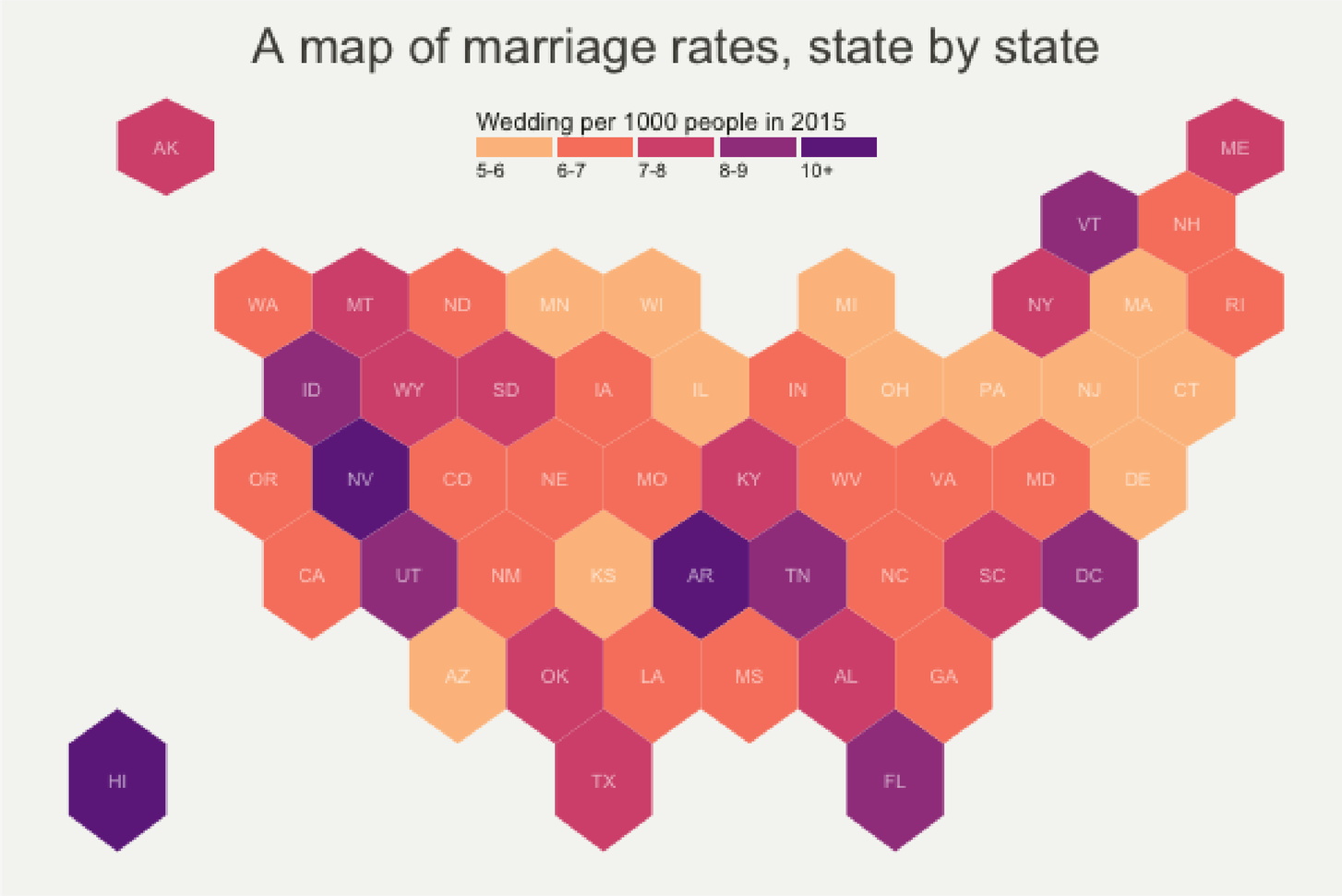
Bubble Cartogram



Source: https://datavizproject.com/wp-content/uploads/2016/01/Sk%C3%A6rmbillede-2016-01-25-kl.-23.49.18.png

GEOSPATIAL

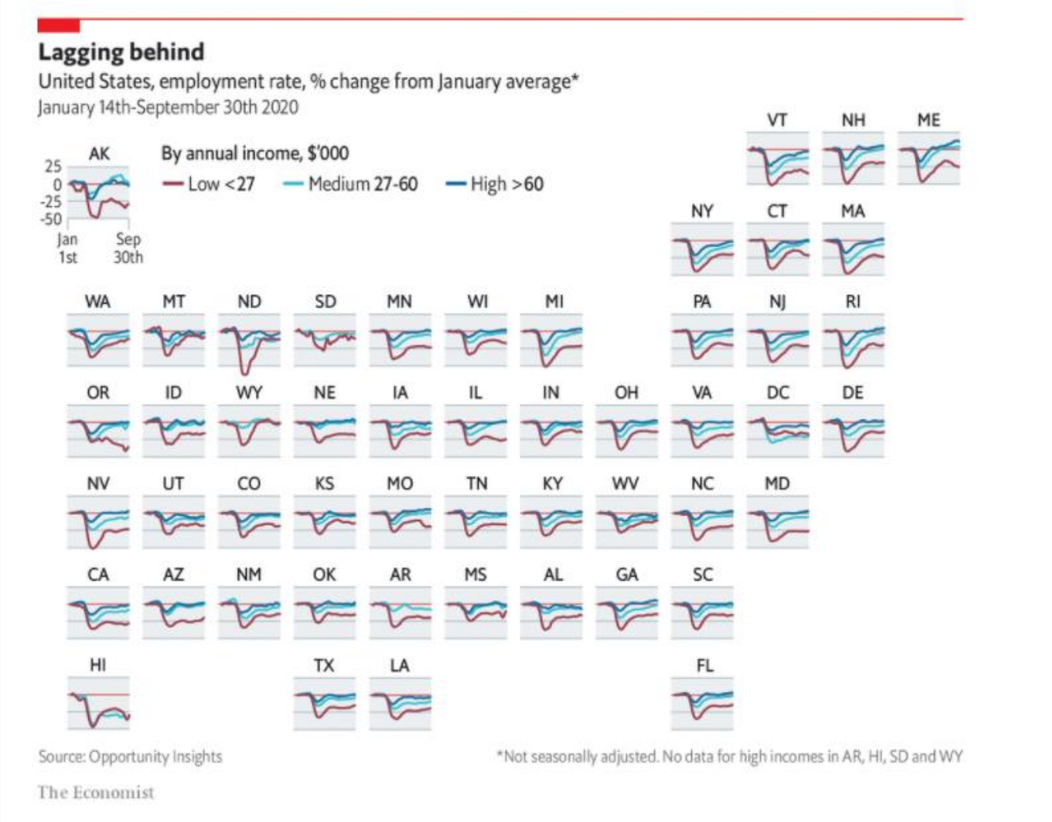
Hexbin Map



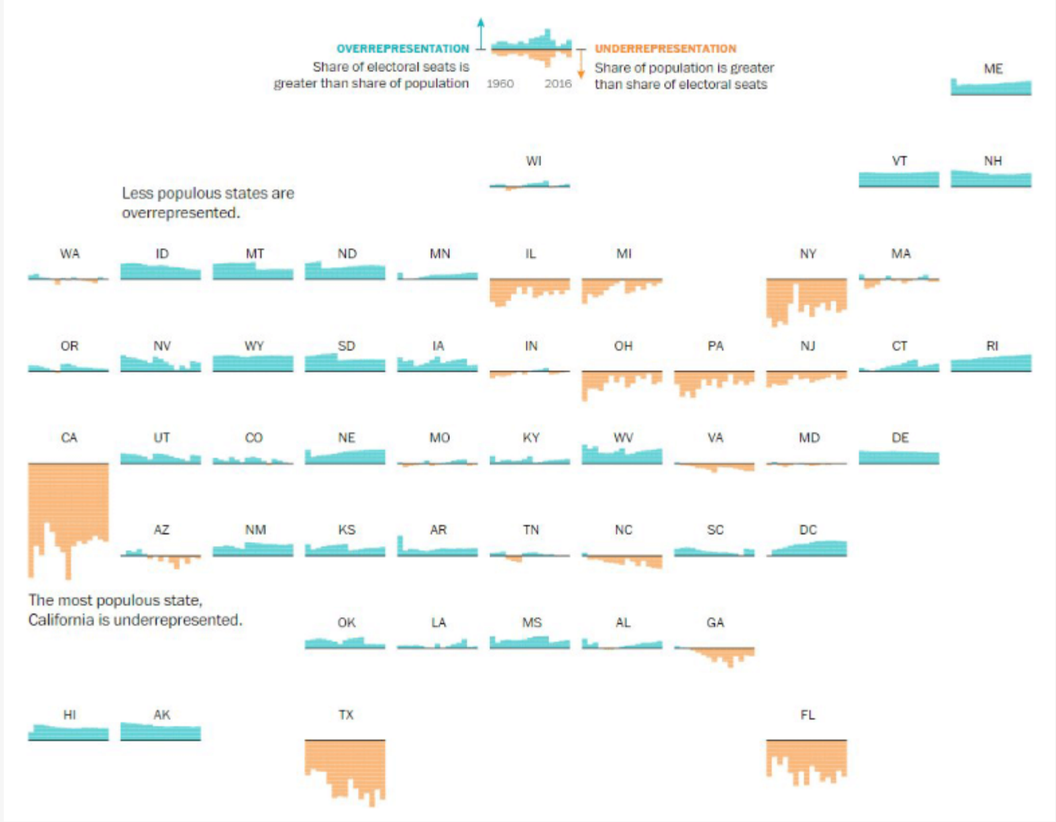
Source: https://www.r-graph-gallery.com/hexbin-map.html

GEOSPATIAL

Tile Grid Map



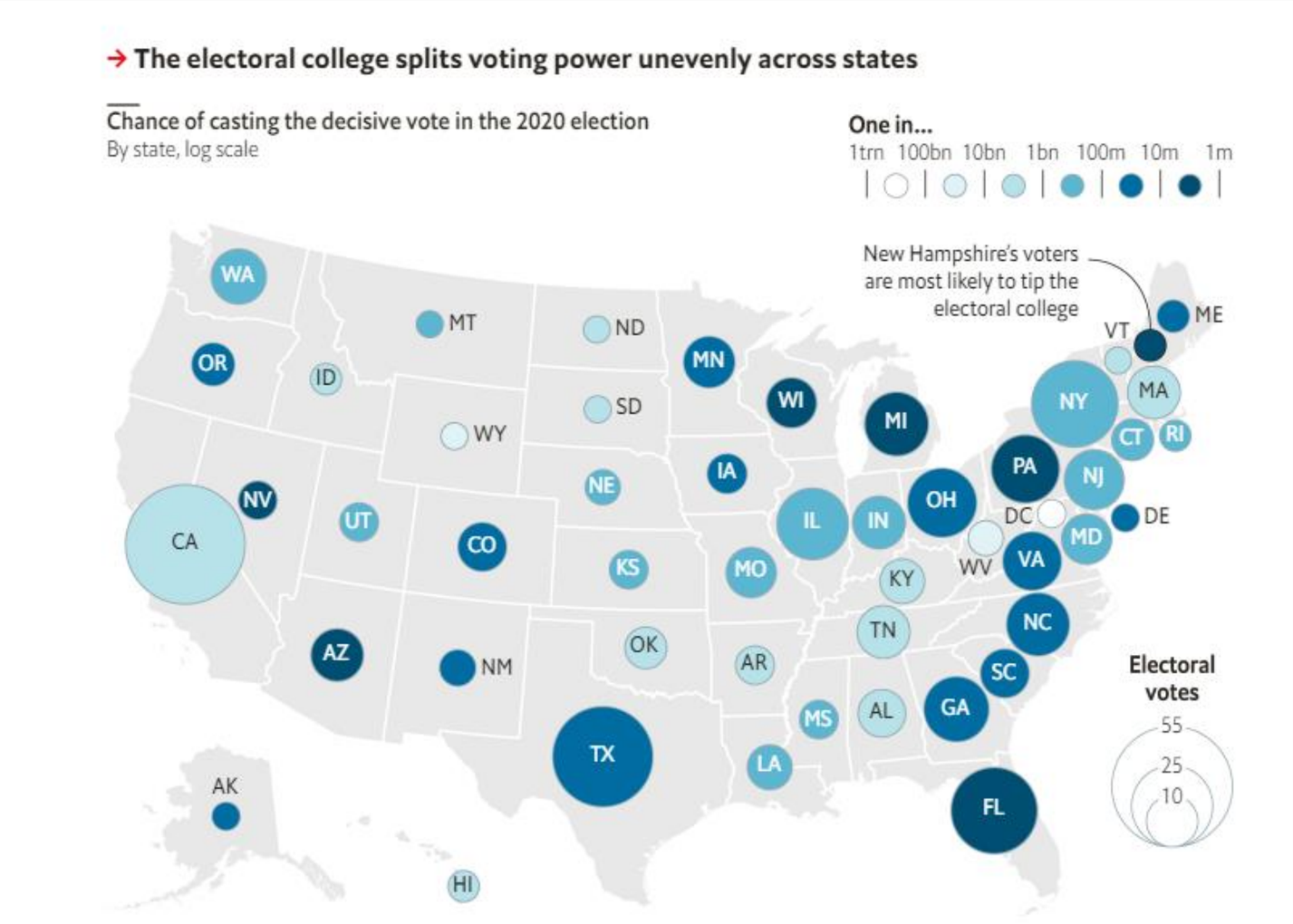
Source: https://www.economist.com/graphic-detail/2020/12/01/the-recovery-of-low-wage-jobs-in-america-from-covid-19-has-halted



Source: https://www.washingtonpost.com/graphics/politics/how-fair-is-the-electoral-college/

GEOSPATIAL

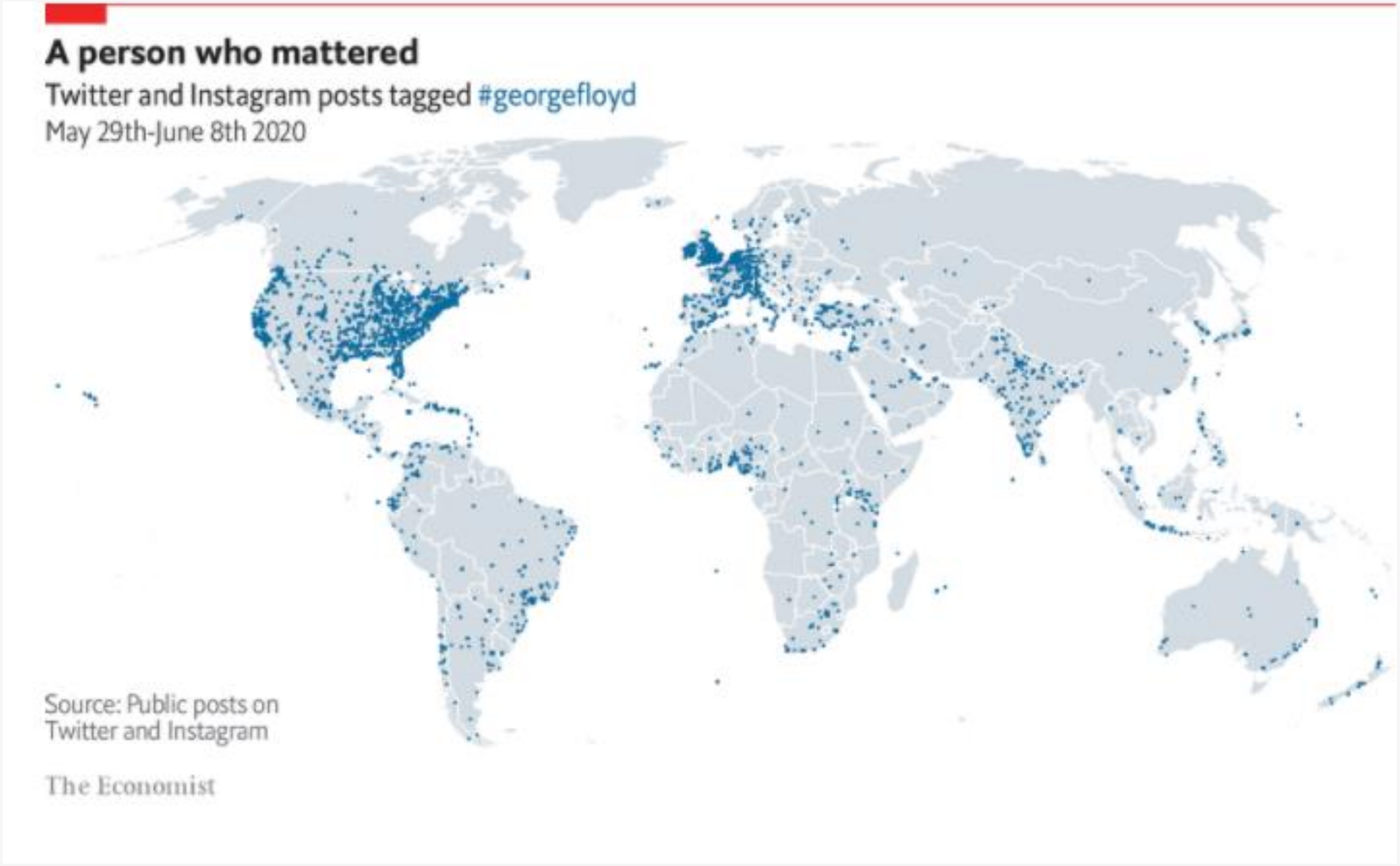
Bubble (Proportional Symbol) Map



Source: https://www.economist.com/graphic-detail/2020/08/15/how-americas-electoral-college-favours-white-voters

GEOSPATIAL

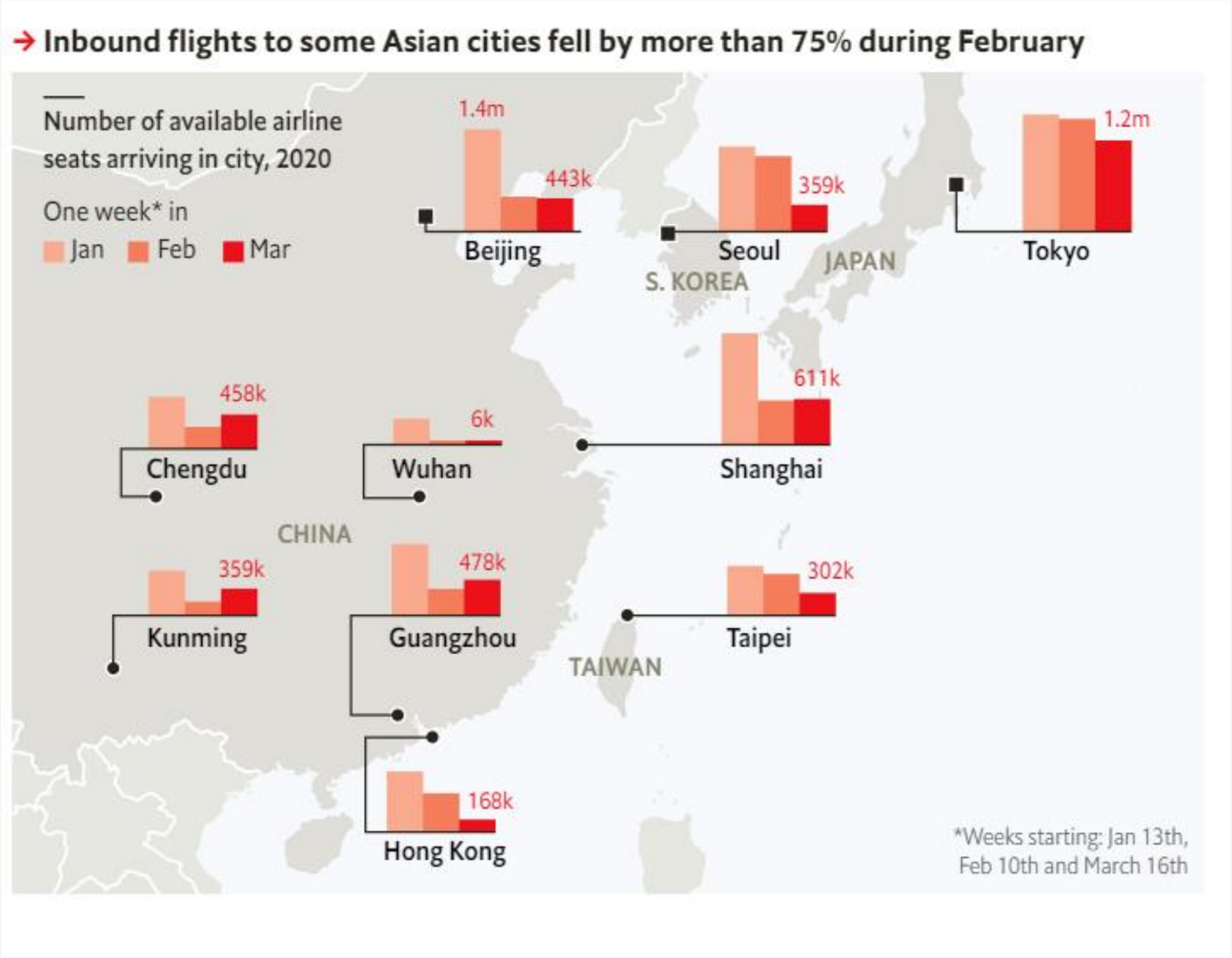
Dot Density



Source: https://www.economist.com/graphic-detail/2020/06/09/george-floyd-is-remembered-around-the-world

GEOSPATIAL

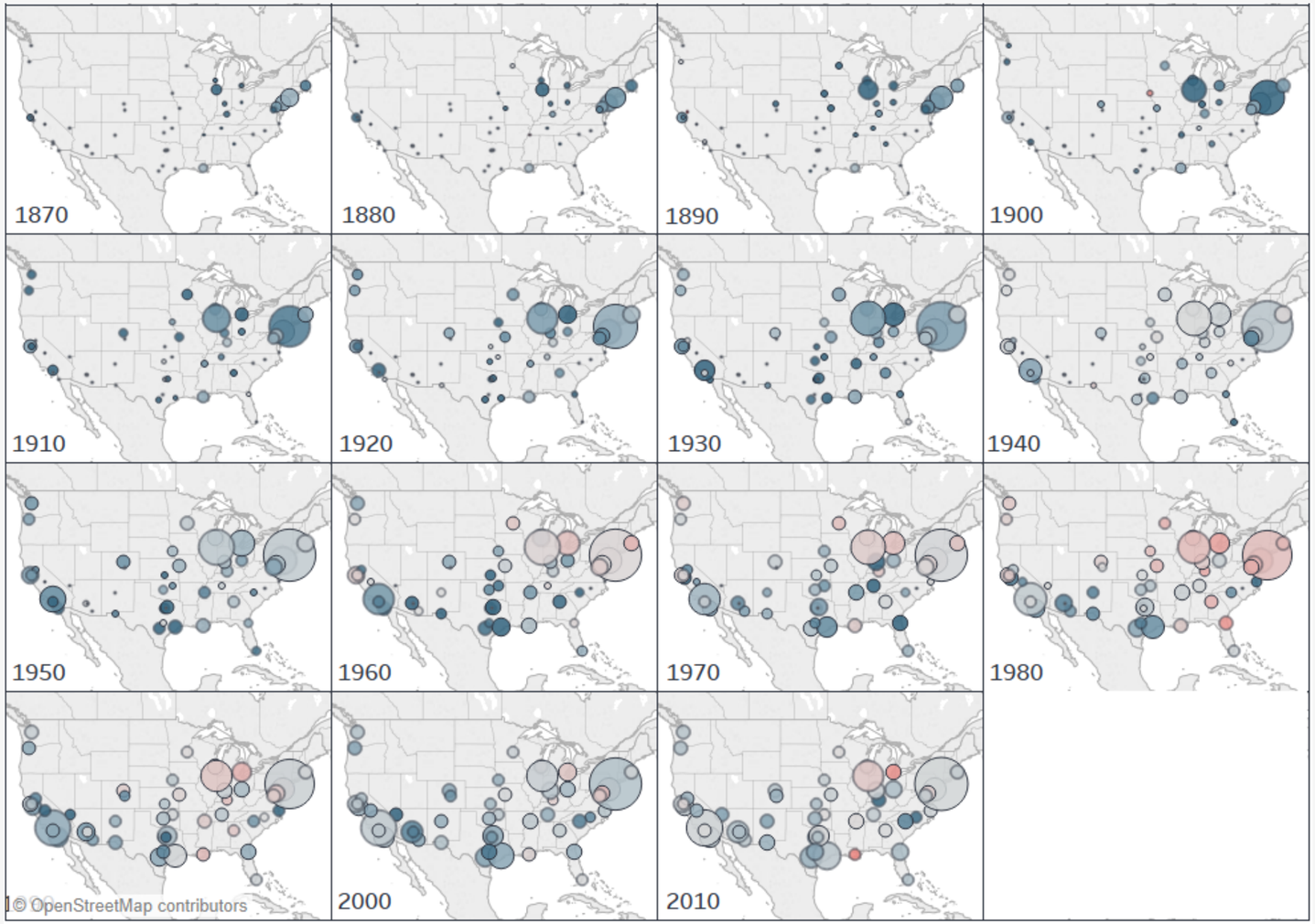
Bar Chart on Map



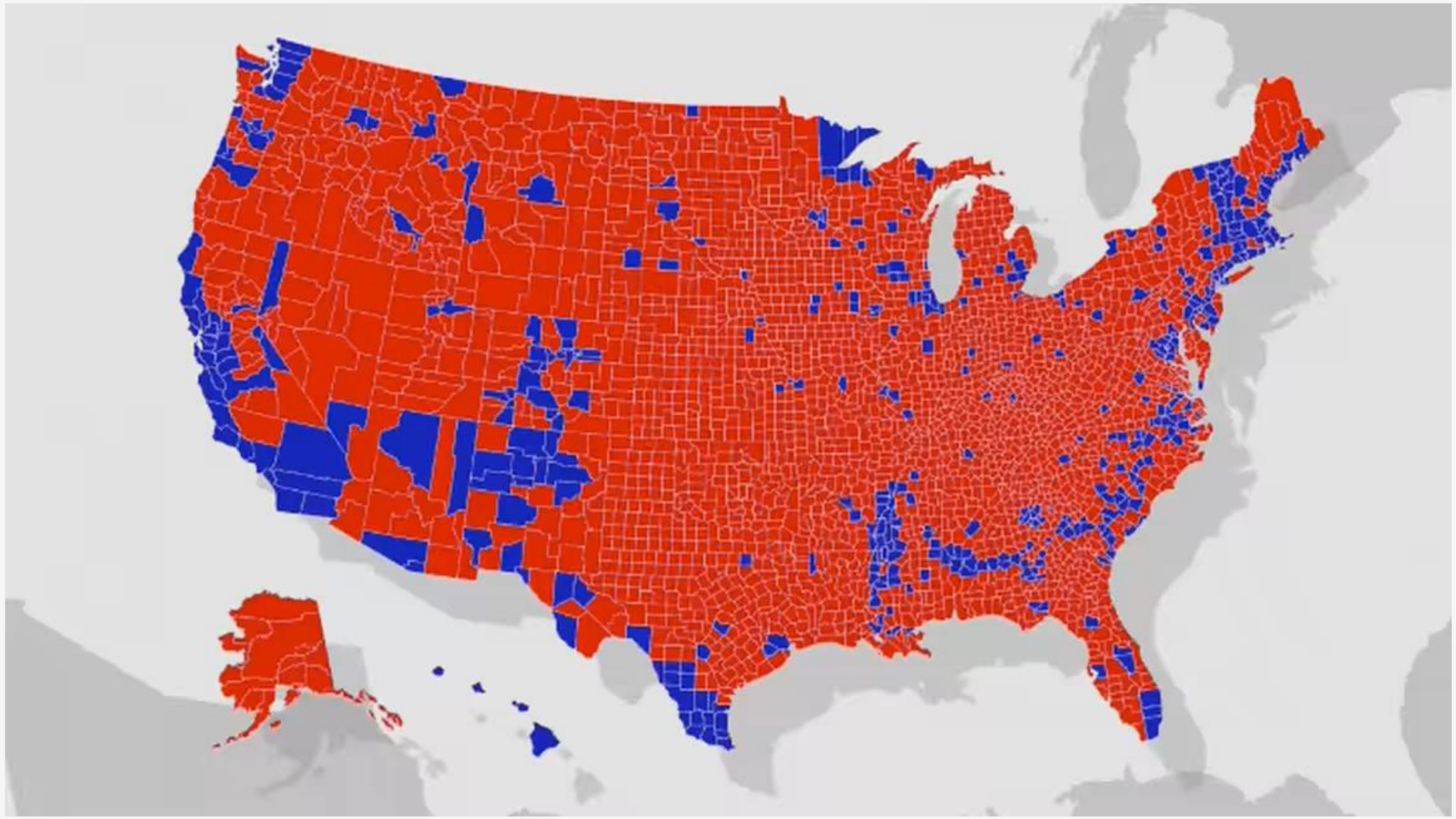
Source: https://www.economist.com/graphic-detail/2020/03/21/as-western-flights-shut-down-chinese-routes-are-opening-again

GEOSPATIAL

Small Multiple Map



Source: https://playfairdata.com/how-to-make-trellis-tile-small-multiple-maps-in-tableau/



Source: http://try-to-impeach-this.jetpack.ai/

EXERCISE

Use the data on retirement ages around the world to create a map in Tableau and answer the question: “How do retirement ages vary around the world?”.

You can use all the data points or some of them.

Provide a rationale for the map type you used.

Post your rationale and the map on Canvas.