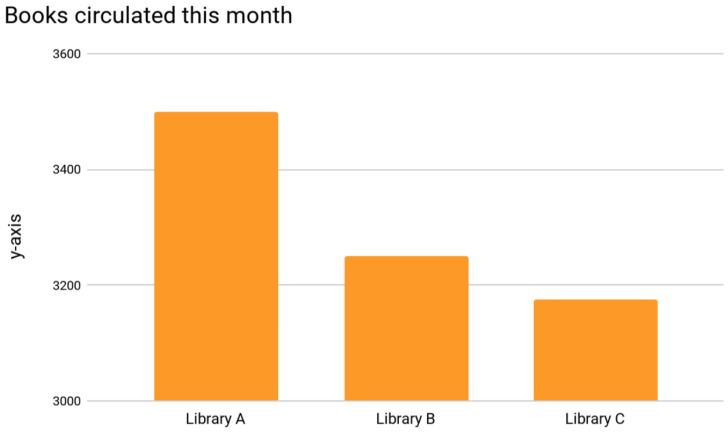
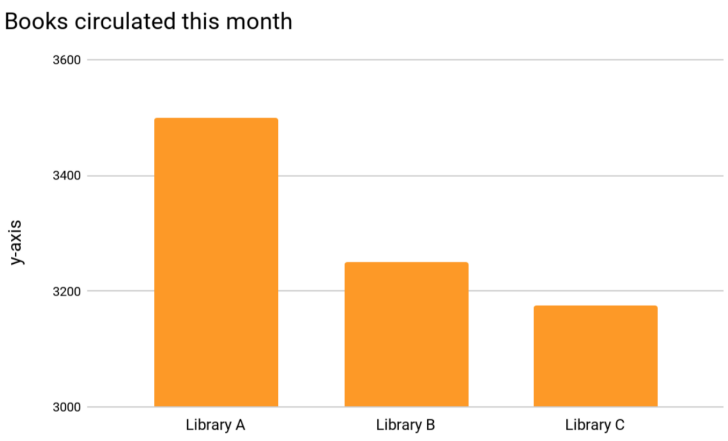
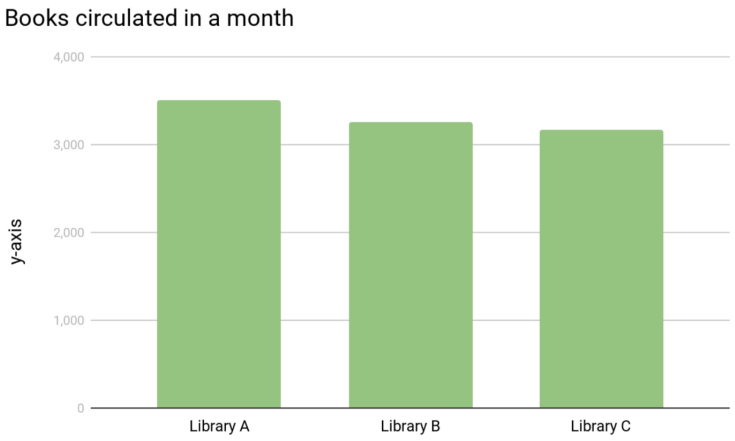
True charts

The y-axis - omiting the baseline



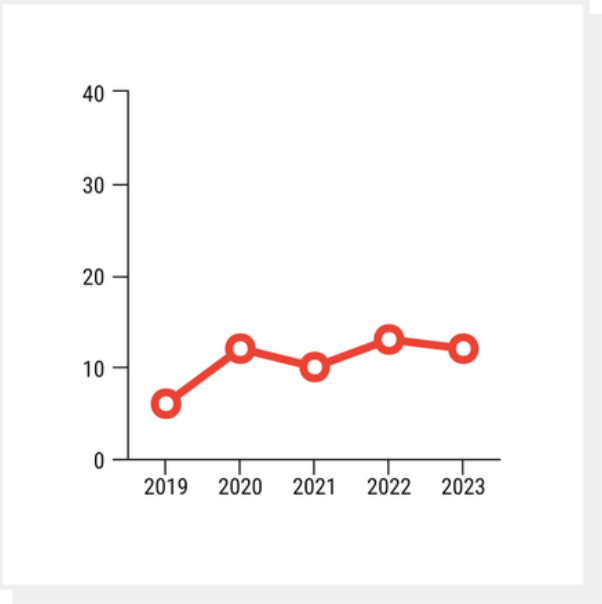
The y-axis - omiting the baseline

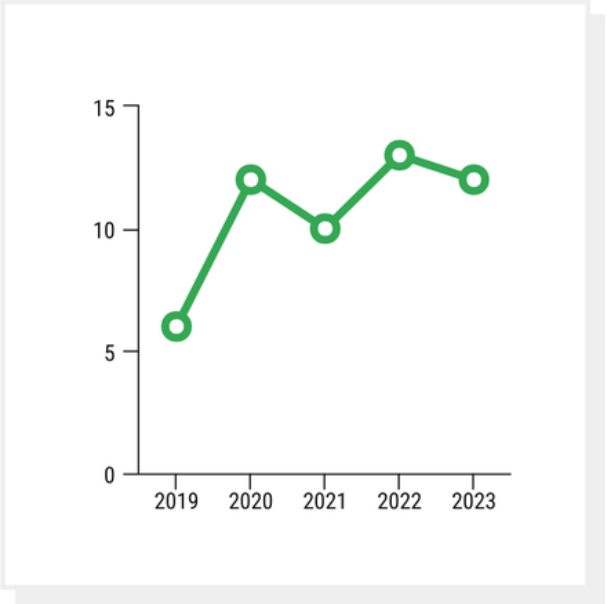




https://www.lrs.org/2020/06/10/visualizing-data-manipulating-the-y-axis/

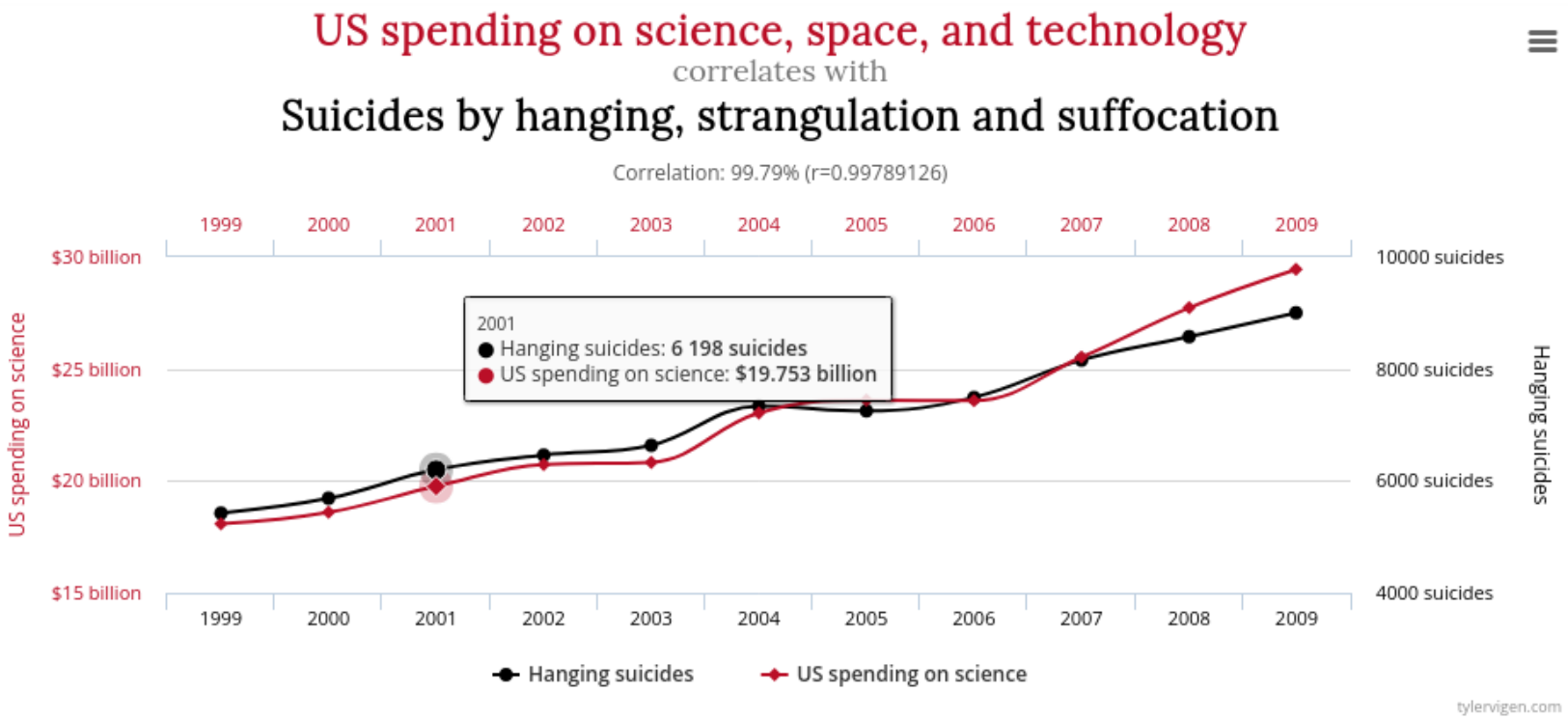
y-axis again





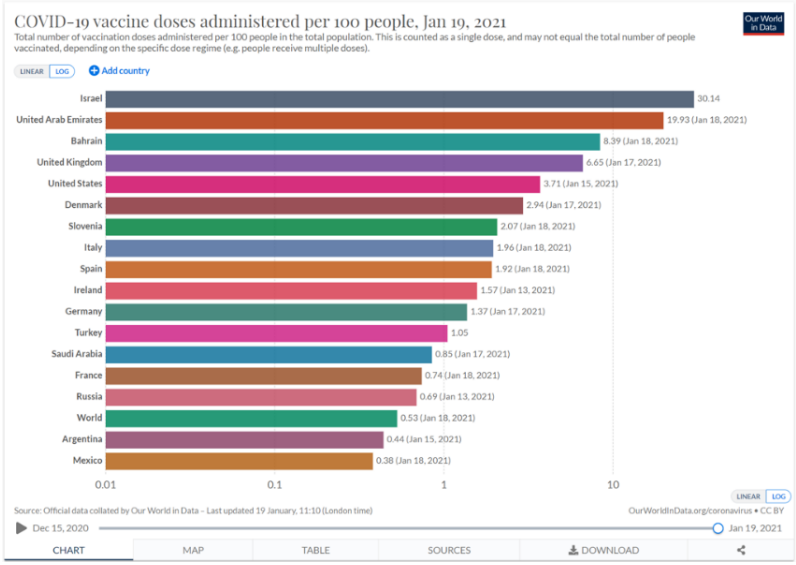
https://twitter.com/ryanmccready1/status/1318238833968877570

Correlation

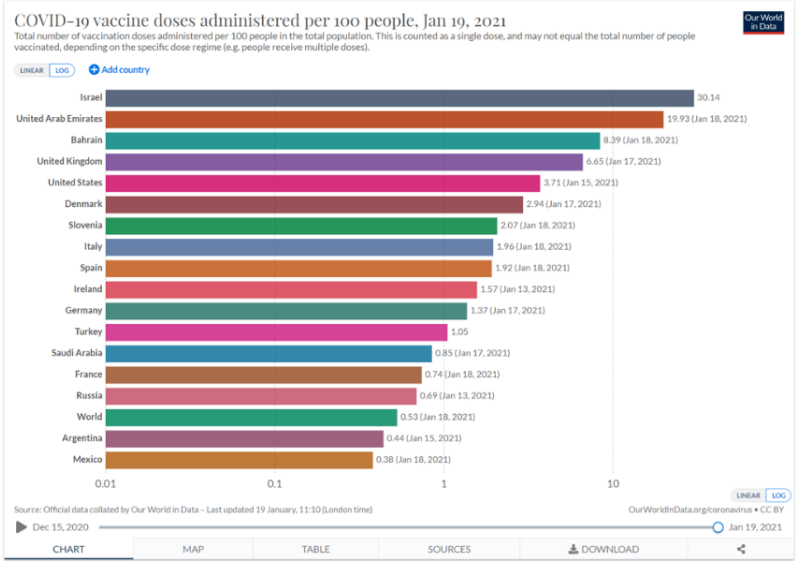


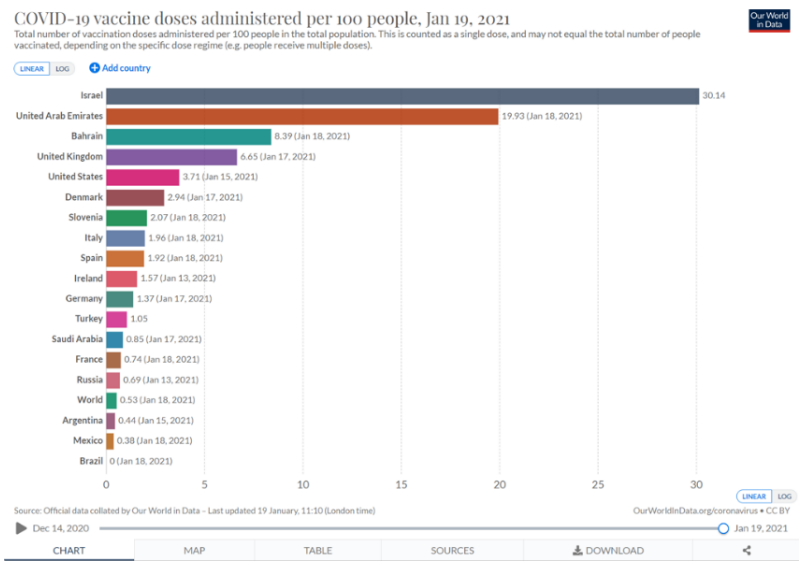
http://www.tylervigen.com/spurious-correlations

Log scale


COVID-19 vaccine doses administered per 100 people, Jan 19, 2021
Total number of vaccination doses administered per 100 people in the total population. This is counted as a single dose, and may not equal the total number of people vaccinated, depending on the specific dose regime (e.g. people receive multiple doses).
Our World in Data
LINEAR LOG
Add country
Israel 30.14
United Arab Emirates 19.93 (Jan 18, 2021)
Bahrain 8.39 (Jan 18, 2021)
United Kingdom 6.65 (Jan 17, 2021)
United States 3.71 (Jan 15, 2021)
Denmark 2.94 (Jan 17, 2021)
Slovenia 2.07 (Jan 18, 2021)
Italy 1.96 (Jan 18, 2021)
Spain 1.92 (Jan 18, 2021)
Ireland 1.57 (Jan 13, 2021)
Germany 1.37 (Jan 17, 2021)
Turkey 1.05
Saudi Arabia 0.85 (Jan 17, 2021)
France 0.74 (Jan 18, 2021)
Russia 0.69 (Jan 13, 2021)
World 0.53 (Jan 18, 2021)
Argentina 0.44 (Jan 15, 2021)
Mexico 0.38 (Jan 18, 2021)
0.01
0.1
1
10
LINEAR LOG
Source: Official data collated by Our World in Data – Last updated 19 January, 11:10 (London time)
OurWorldInData.org/coronavirus • CC BY
Dec 15, 2020
Jan 19, 2021
CHART
MAP
TABLE
SOURCES
DOWNLOAD

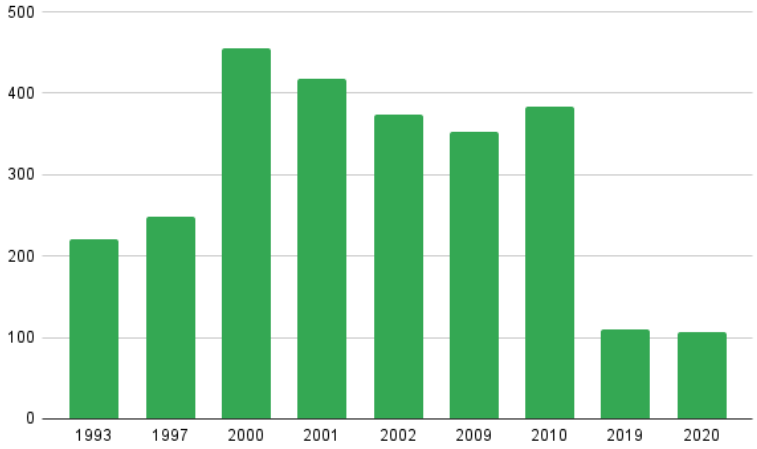
Log scale



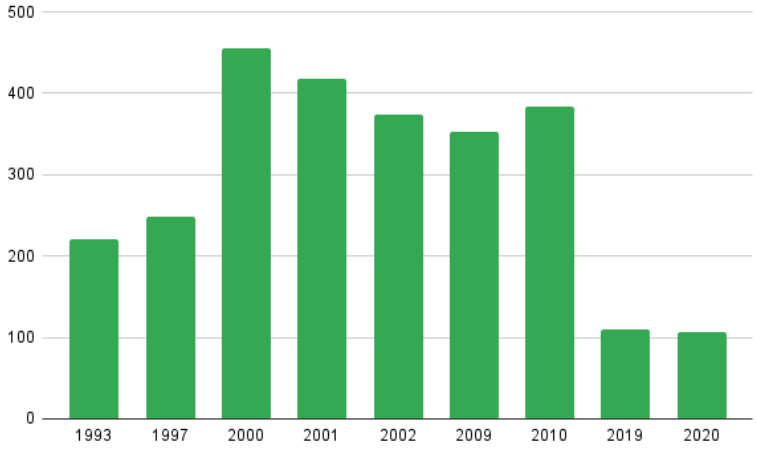


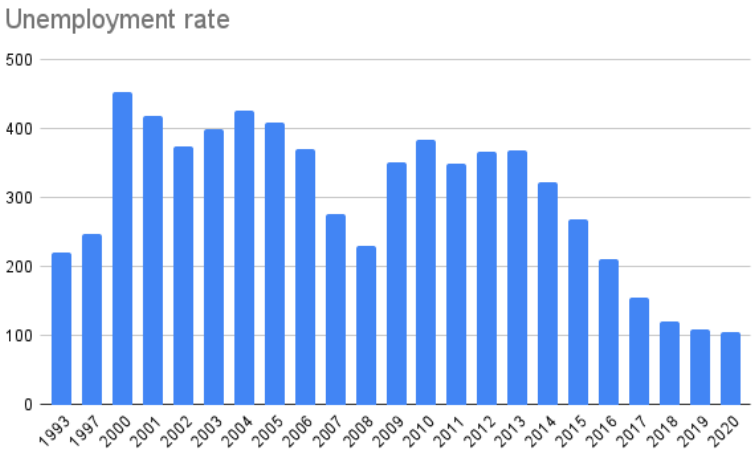
https://stephanieevergreen.com/alternatives-to-a-log-scale/

Cherrypicking



Cherrypicking

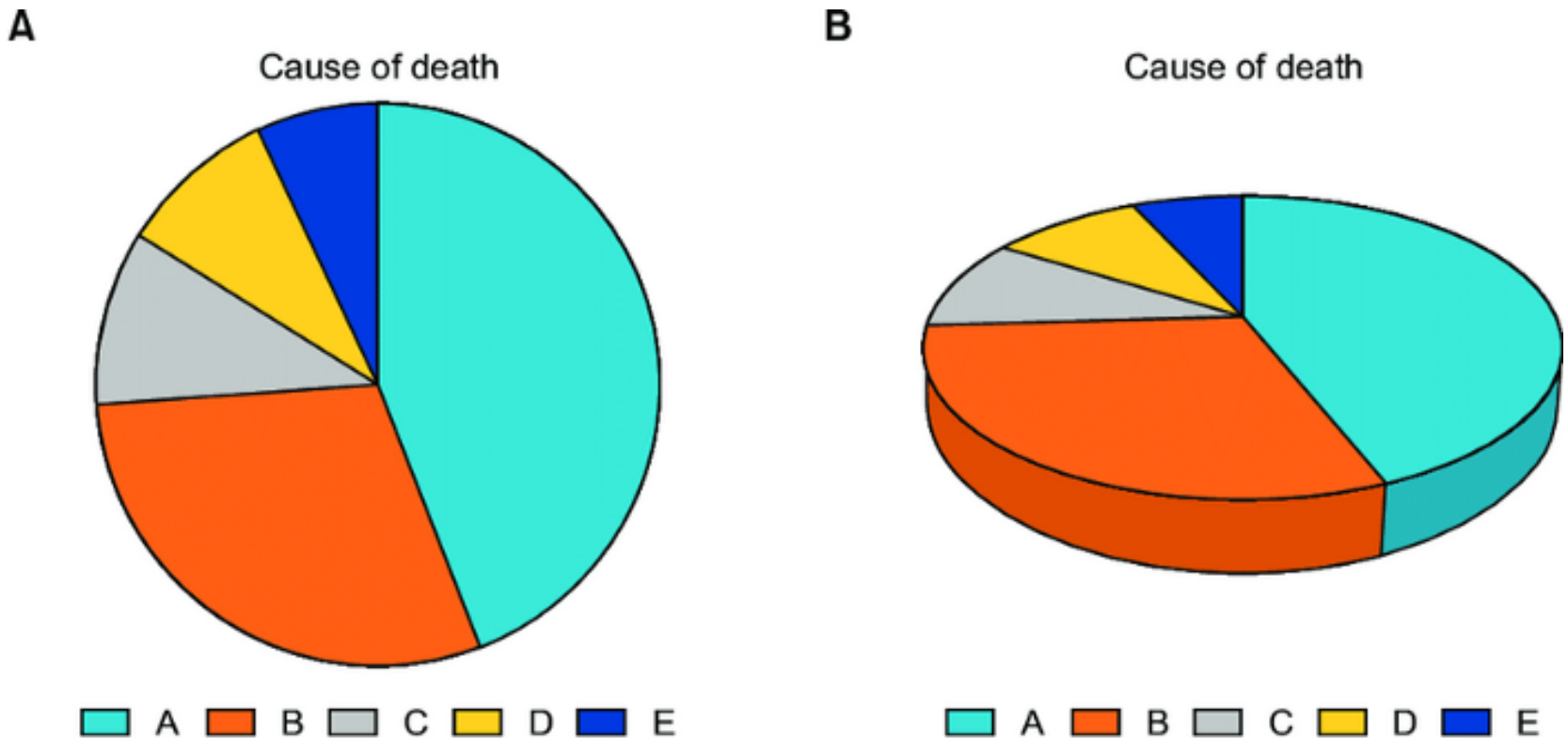




Bad graphs

https://www.idnes.cz/technet/veda/manipulace-grafy-statistika.A151023_164547_veda_pka

Piecharts



https://towardsdatascience.com/misleading-graphs-e86c8df8c5de