



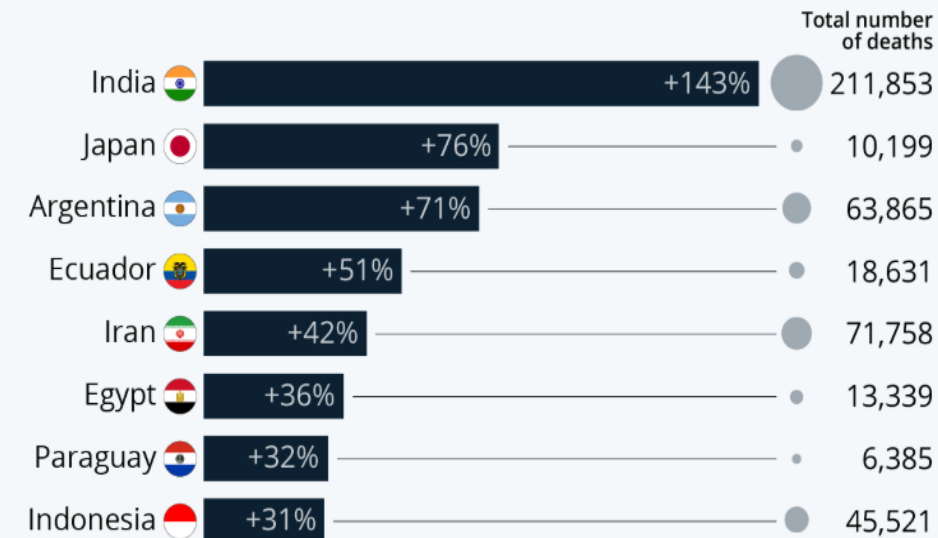
Misleading information by Statista

Introduction

- Misleading data presentation by Statista
- During the Covid with graphs and statistics (Buchholz & Richter, 2021)
- importance of critical evaluation of statistical data
- Questions on data presentation and analysis

Where COVID-19 Deaths Are Rising Fastest

Countries with the highest increase in new confirmed COVID-19 deaths between April 20 and May 4, 2021*



* outbreaks with 25 or more daily average deaths as of April 20, 2021 only

Source: Johns Hopkins University via Our World in Data



What happened?

- Statista presented graphs and charts:
- Comparing the total number of Covid deaths across different countries on a frequent basis (Buchholz & Richter, 2021)
- Main issue was that the use of absolute numbers rather than relative measures
- Fails to consider the crucial factor of population size.



Reason behind the misleading presentation and its impact

- Absence of data adjustment in the form of deaths per capita
- Comparisons render to be incomplete
- Misleads the audience in understanding the impact of Covid
- Nation with a much higher death rate relative to its population experiencing a more severe breakout
- Result in sharing unnecessary fear and misplaced criticisms of government or healthcare systems



Ways to improve data analysis and presentation

- Inclusion of both total numbers and per capita rates
- Provides a scope for a more balanced, fair and meaningful comparison
- Include additional contextual metrics in the form of testing rates
- Improvement of the accuracy in interpretation
- Incompetence of leaving out key contextual information can lead to misleading conclusion



Reference List

- Buchholz, K., & Richter, F. (2021). Infographic: Where COVID-19 Deaths Are Rising Fastest. Retrieved from <https://www.statista.com/chart/24750/fastest-rise-new-deaths-covid/?srsltid=AfmBOooRzFPUzBjOid-LDbpAHGMAgNceJOE6Dsb2cdUucgq4cXgPRHE3>