

Data Appendix

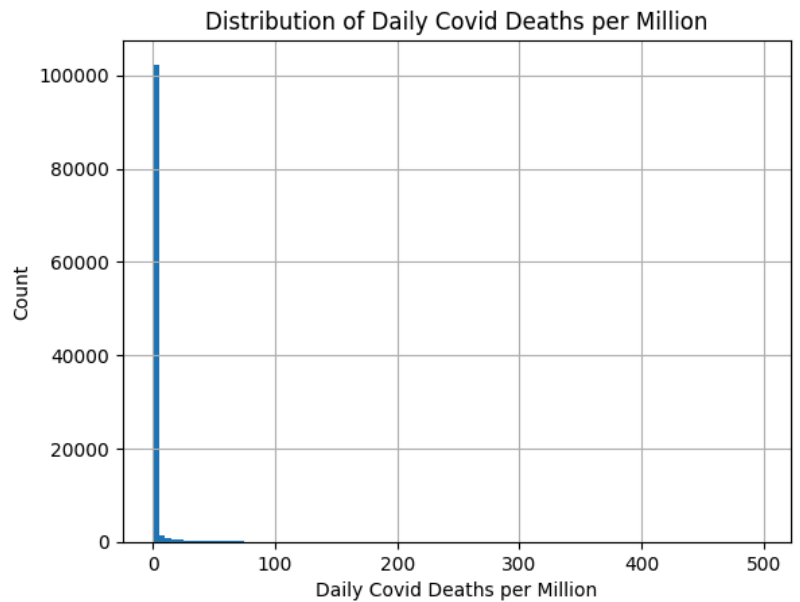
COVID-19, GDP per Capita, and Democracy Index Dataset

The unit of observation for this dataset is country-day because each row represents data for a specific country on a specific day. The variables in the dataset that were used in our analysis are 'Country', 'New Deaths per Million', 'GDP per Capita', and 'Democracy Score'.

Total Deaths Per Million

This variable is the cumulative number of COVID-19 deaths that occurred in a country up to a specific day, standardized to a per-million scale. This variable is called 'total_deaths_per_million' and is from the 'owid-covid-data' time series dataset. It can be classified as a quantitative value and can be any non-negative number. There are 107,604 observations for this variable and no observations are missing, which can be reported as 107,604(0). No processing was needed to prepare this variable for data analysis.

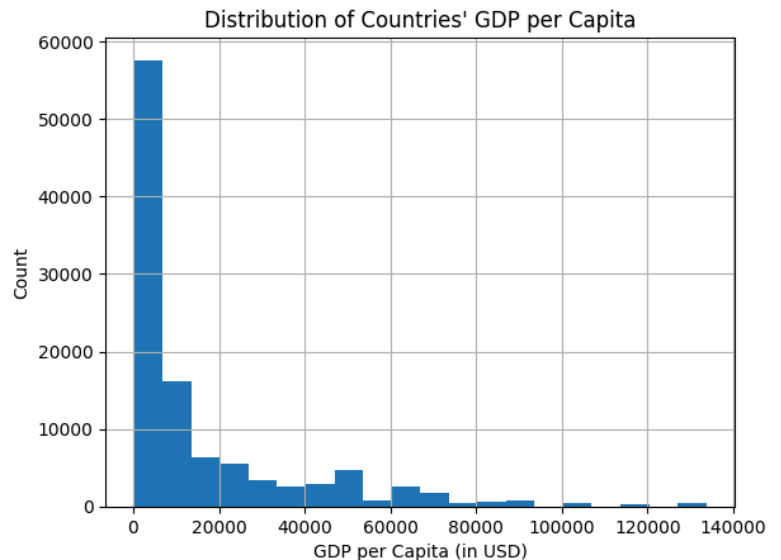
	total_deaths_per_million
count	107604.000000
mean	439.115069
std	766.737520
min	0.000000
25%	5.371500
50%	63.171000
75%	539.240000
max	6073.170000



GDP per capita

This variable represents the Gross Domestic Product per capita for a country, in US dollars. It can be classified as a quantitative variable and can be any non-negative number. This variable is from the 'gdp_per_capita' dataset, which listed the GDP per capita of countries for every year from 1960 to 2022. For our analysis, only GDP per capita values from 2020 to 2022 were used. In our analysis dataset, there are 107,604 observations for this variable and 1,119 observations are missing, which can be reported as 107,604(1,119).

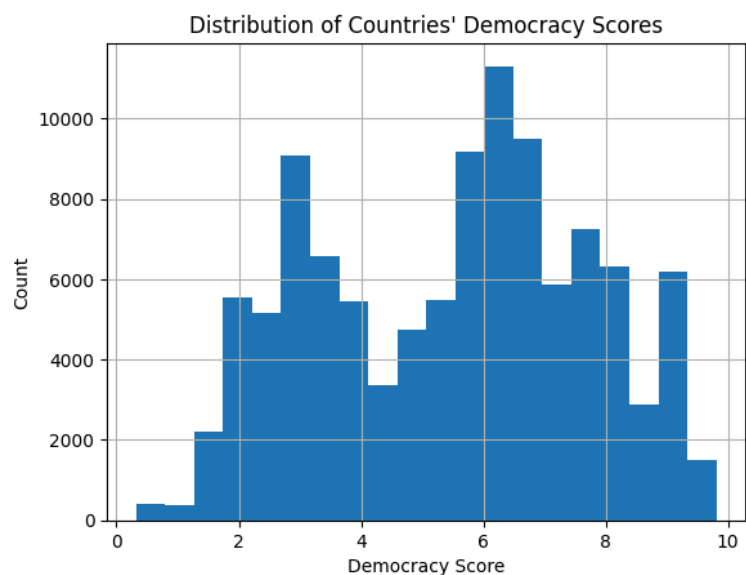
GDP_per_Capita	
count	106485
mean	16313.457342
std	22842.099035
min	216.827417
25%	1993.424478
50%	5959.441794
75%	20381.855780
max	133711.794400



Democracy Index

This variable represents the democracy score of a country, which reflects the level of democracy in the country. The score is based on multiple factors, such as electoral process, political participation, and civil liberties. It is a quantitative variable that can range from 0 to 10, where 0 indicates least democratic and 10 indicates most democratic. This variable was originally from the 'democracy-index-eiu' dataset and was called 'Democracy score'. The original dataset reported democracy scores for every country from 2006 to 2022. For our analysis, this data was filtered so that only scores from 2020 to 2022 were used. There are 107,604 observations of this variable in our analysis dataset and 0 values are missing, which can be reported as 107,604(0).

Democracy score	
count	106704
mean	5.510034
std	2.200371
min	0.320000
25%	3.510000
50%	5.810000
75%	7.180000
max	9.810000



Country

The 'Country' variable represents the name of the country for each observation. It is a categorical variable that can be any string value. This variable was used in all three of the input datasets: in 'democracy-index-eiu' it was labeled 'Entity', in 'owid-covid-data' it was labeled 'location', and in 'gdp_per_capita' it was labeled 'Country Name'. There are 107,604 observations of this variable in our analysis dataset and 0 values are missing, which can be reported as 107,604(0). Every Country has 732 observations. No processing was needed to prepare this variable for analysis.

Country	Frequency
Afghanistan	732
Albania	732
Algeria	732
Angola	732
Argentina	732
...	
United States	732
Uruguay	732
Uzbekistan	732
Zambia	732
Zimbabwe	732