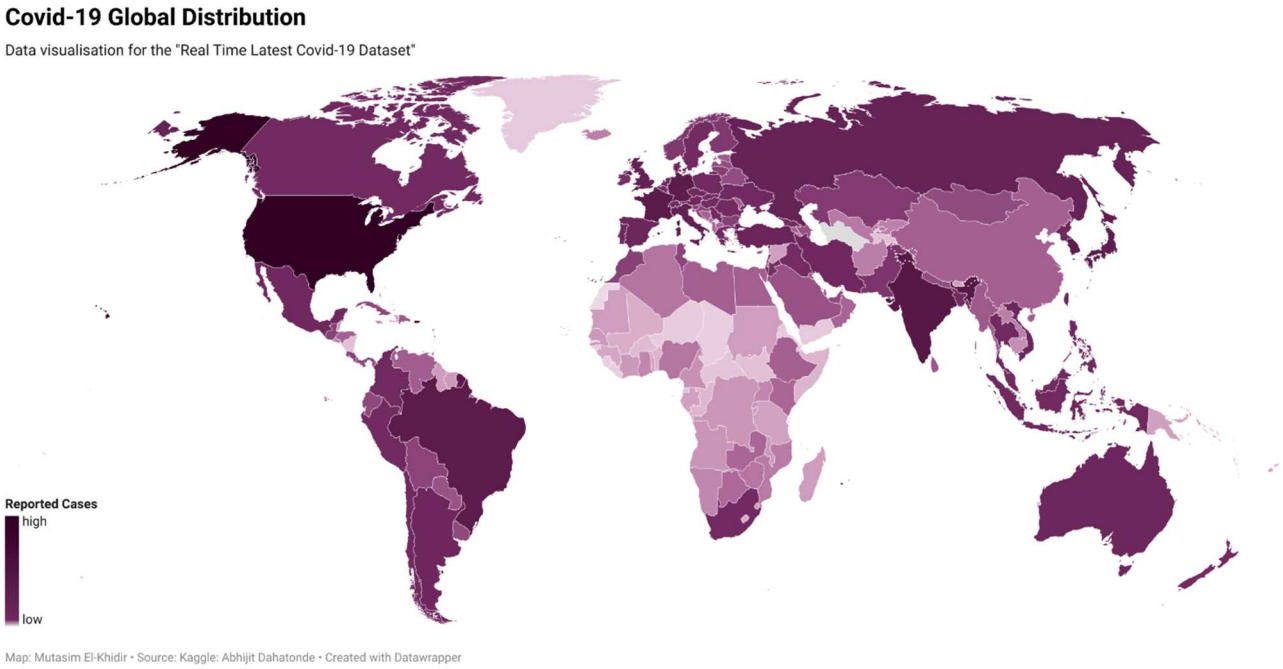
Goals: A visual representation of the COVID-19 pandemic accumulated data in an interactive form for a greater understanding and interpretation of the data.



Insight:

The familiarity of the world map should enable the user to search and discover information intuitively whilst presenting it in an adjustable interactive form.

The map visualisation enables comparability to highlight discrepancies that can be explained by integrating the pandemic visualisation with other visualisations displaying global wealth distribution, growth, and press freedom.

Data abstraction:

- Dataset type: Tubular dataset, excel file in CSV format.
- Item: Rows/Countries, a list of countries as rows.
- Attributes: Country name, Total cases, Total deaths, Total recovered, Active cases, Serious cases, Total tests, Population.

The dataset acquired from the open-source library included linguistic discrepancies caught by the map visualisation tool. While unable to match all the values in the dataset, a few corrections were made automatically, while other less pronounced issues still need to be addressed.

The attributes (tests per capita and death rate) were constructed to calculate and display simplified interpretations of the data with the help of Microsoft Excel.

Task abstraction:

A challenge in displaying large quantities of data to the intended user in an intuitive form. To understand the content while interacting in a manner that enables exploration, analysis, and identification.

The marks and channels in a choropleth map may reflect the dataset most suitably. At the same time, the attribute of (total deaths) seemed the most appropriate to highlight the global spread and data collection in the dataset.

Additional data source:

Dataset source: .csv file in URL
https://www.kaggle.com/datasets/abhijitdahatonde/real-time-latest-covid-19-dataset

Visualisation tool: Map
https://www.datawrapper.de/_/5CHd6/