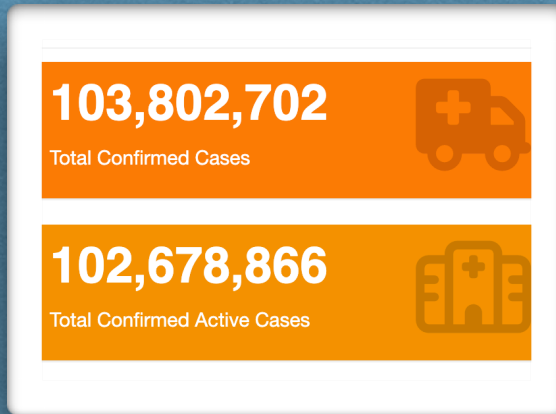


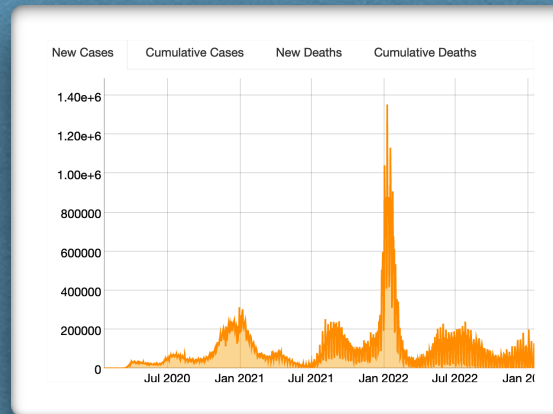
COVID-19 Tracker Dashboard

DESIGN SUMMARY



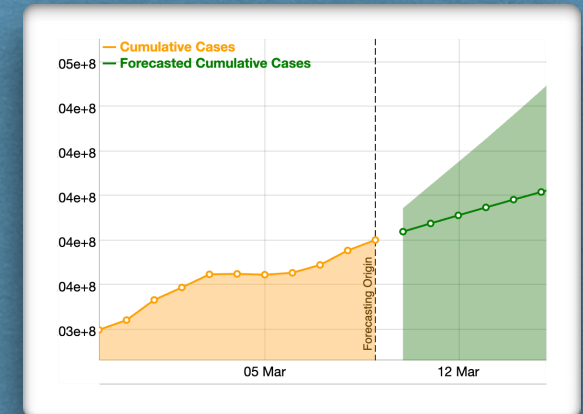
Value Box

Quick glance at updated statistics



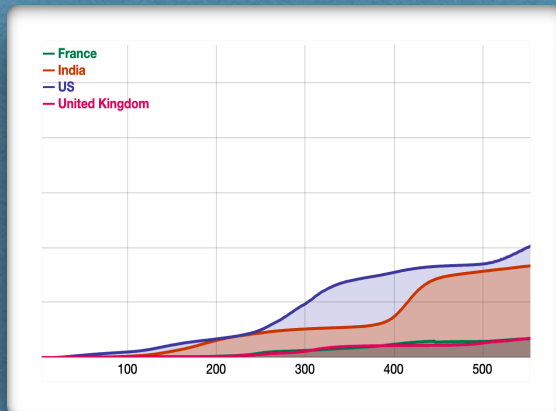
Time Series

Yearly trajectories of countries



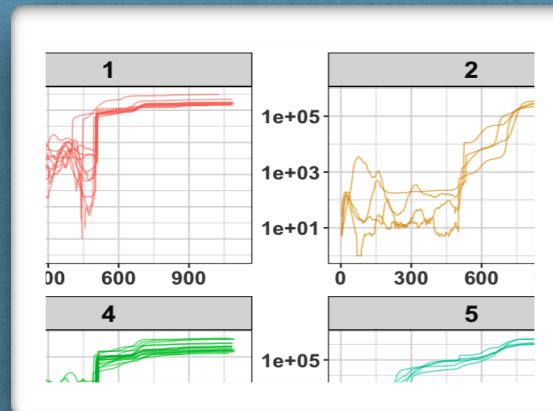
Forecast

Predicted trend for trajectories



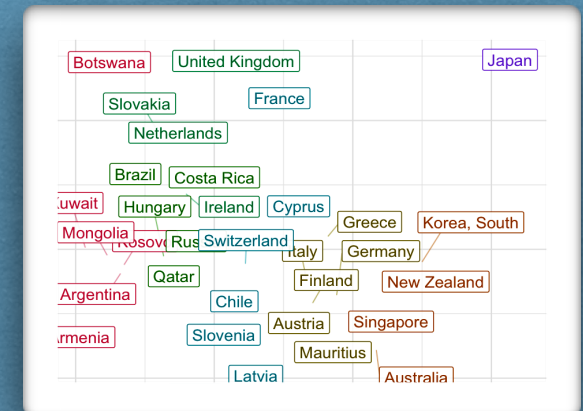
Contrast

Compare trajectories of countries



Cluster Analysis

Group based on similar trajectories



Multidimensional Scaling

View cluster dissimilarities

DATA SOURCES



Johns Hopkins Center for Systems Science and Engineering GitHub Repository

JOHNS HOPKINS CORONAVIRUS RESEARCH CENTER

Provides the time-series data for cases, deaths and recoveries related to COVID-19, that have been used for all the visualisations.

https://github.com/CSSEGISandData/COVID-19/tree/master/csse_covid_19_data/csse_covid_19_time_series



The World Bank: Data Bank

THE WORLD BANK GROUP

Provides the population data for each country which have been used to calculate rates and per capita proportions.

<https://data.worldbank.org/indicator/SP.POPTOTL>

ADDITIONAL NOTES

The dashboard design has been inspired by Valerie Du Preez's COVID-19 Dashboard hosted on <https://www.actuaretech.com/insights/building-a-simple-covid-19-dashboard-using-rshiny>. The codes for forecasting and clustering have been adapted from Luchao Qi's GitHub repository available from https://github.com/luchaoqi/Shiny_clustering.