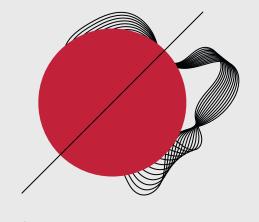
COVID-19 Cases and Vaccine Tracker

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Problem Definition

The COVID-19 pandemic is the most crucial health disaster that has surrounded the world for the past year. The objective of this project is to track COVID-19 cases and vaccination in the World

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Data Collection

This Data is collected from two different datasets in Kaggle. Country vaccination data set and owid covid dataset. Other two tables are imported from Our world in data and Wikipedia.

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Data Preparation

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Data is downloaded into power query and necessary cleaning and transformations are performed. Unwanted columns are removed and null values are replaced with zero. Standardised data type for few fields.

Data Model



Data Analysis

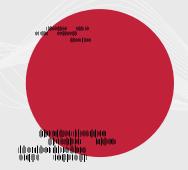
To start with the analysis new columns and measures are created using DAX formula and IF function. Different charts are plotted using power BI. Questions Analysed:

- Total cases by country.
- What vaccination schemes are used in various countries.
- Total number of vaccinations and percent of vaccinations.
- Daily vaccinations and daily vaccinations per million.
- Total people vaccinated and percent of people vaccinated.



Findings

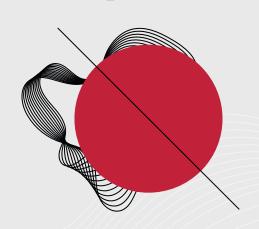
- United states has the greatest number of cases and deaths
- Most of the countries have achieved population Immunity. The recovery prospect of most of the countries are quite high. Few countries like China, Egypt and Mexico fall into weak recovery prospect.
- Risk to population is very high in most of the countries.
- The United States has the most vaccinated people of around 60M of its total population followed by China and the United Kingdom.
- The rate of applying vaccines to people is highest in Gibraltar
- Different countries are using various vaccines.
- Moderna, Pfizer/BioNTech are the most popular vaccine used worldwide



Conclusion

From the inferences and conjectures, it can be concluded that people from all parts of the world are educating themselves and willingly taking the vaccines under the governments' free vaccination program. Also, these vaccines have been proved effective against COVID-19 (till now). If the rate of people taking the vaccine continues to grow, then all the countries can vaccinate their people before the end of this year.





Thank you

References:

https://www.kaggle.com/gpreda/covid-world-vaccination-progress https://ourworldindata.org/covid-vaccinations#source-information-country-by-country https://www.kaggle.com/fedesoriano/coronavirus-covid19-vaccinations-data https://en.wikipedia.org/wiki/COVID-19_pandemic_by_country_and_territory