COVID-19

COVID-19 Vaccination Analysis
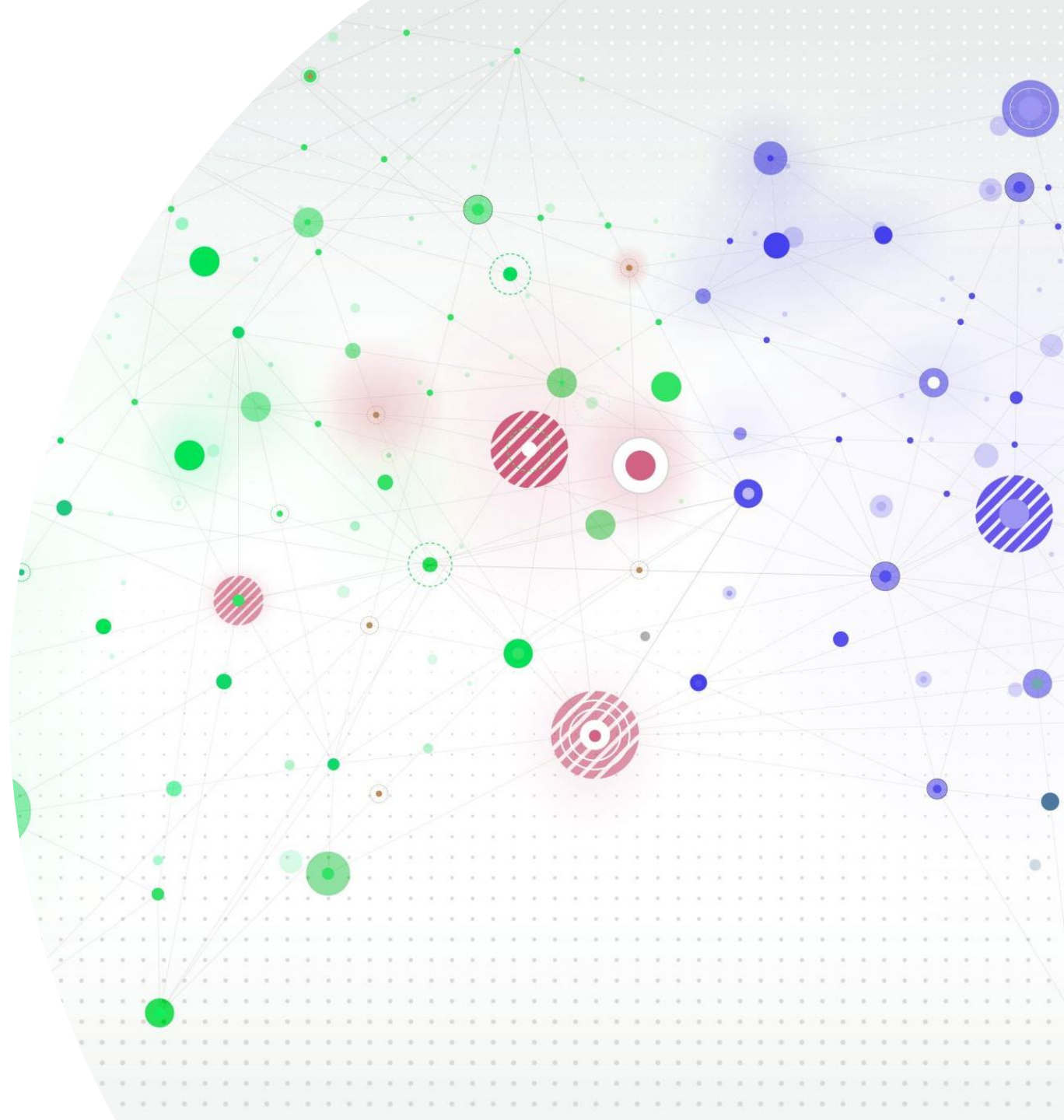
Created by Kenny

20th Feb 2023

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Overview

- As a beginner data analyst from the World Health Organization (WHO), you are tasked by your team manager to look at the COVID-19 data and vaccination data to identify if there are any geographic, and/or economic factor that contributes to the vaccination rate of each country

Data Sources

- Vaccination Rates per Country
- Country GDP
- Positive cases per Country
- Final combined file

*Due to the usage of multiple data sources, the data source was last updated on **25th October 2021**
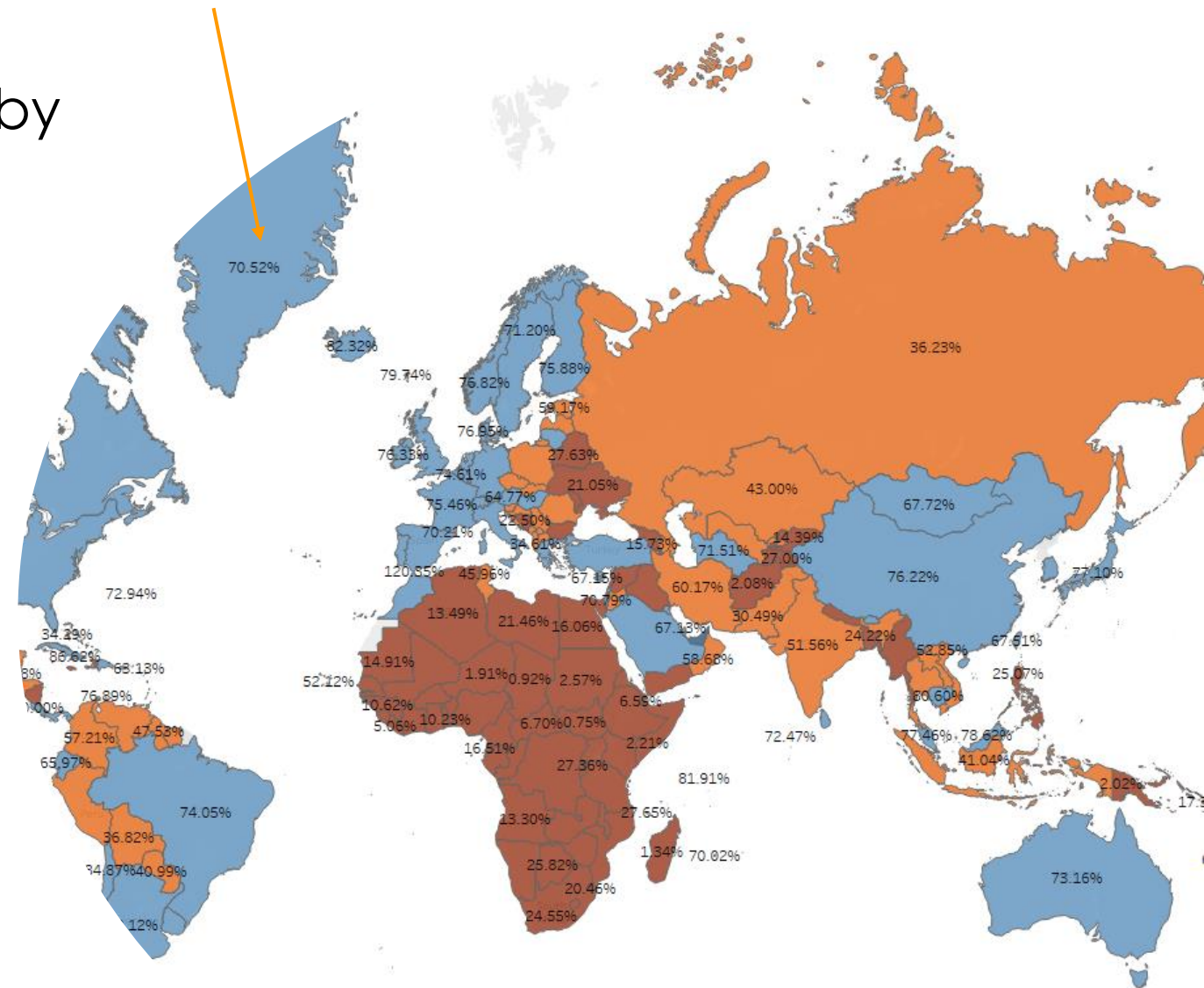
KPIs

As of 25th October 2021

- **3,838,352,700** people had only **1** dose of vaccination
- **2,940,774,429** people had at least **2** dose of vaccination
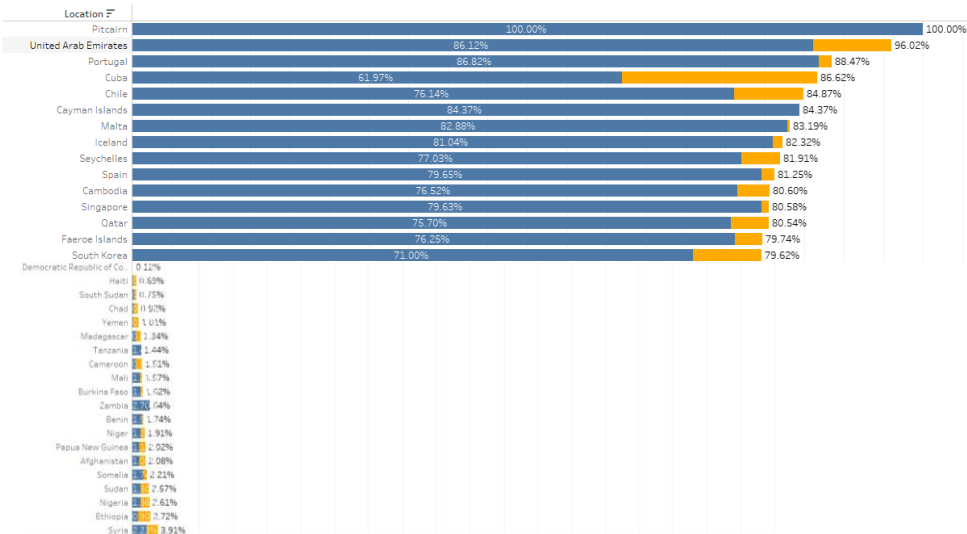- **51.26%** of the population are **not** vaccinated

Geographic

- Vaccination rates vary widely by country
- Little correlation between geographical location and vaccination rates
- Geographical location is **not a strong indicator of high vaccination rates**

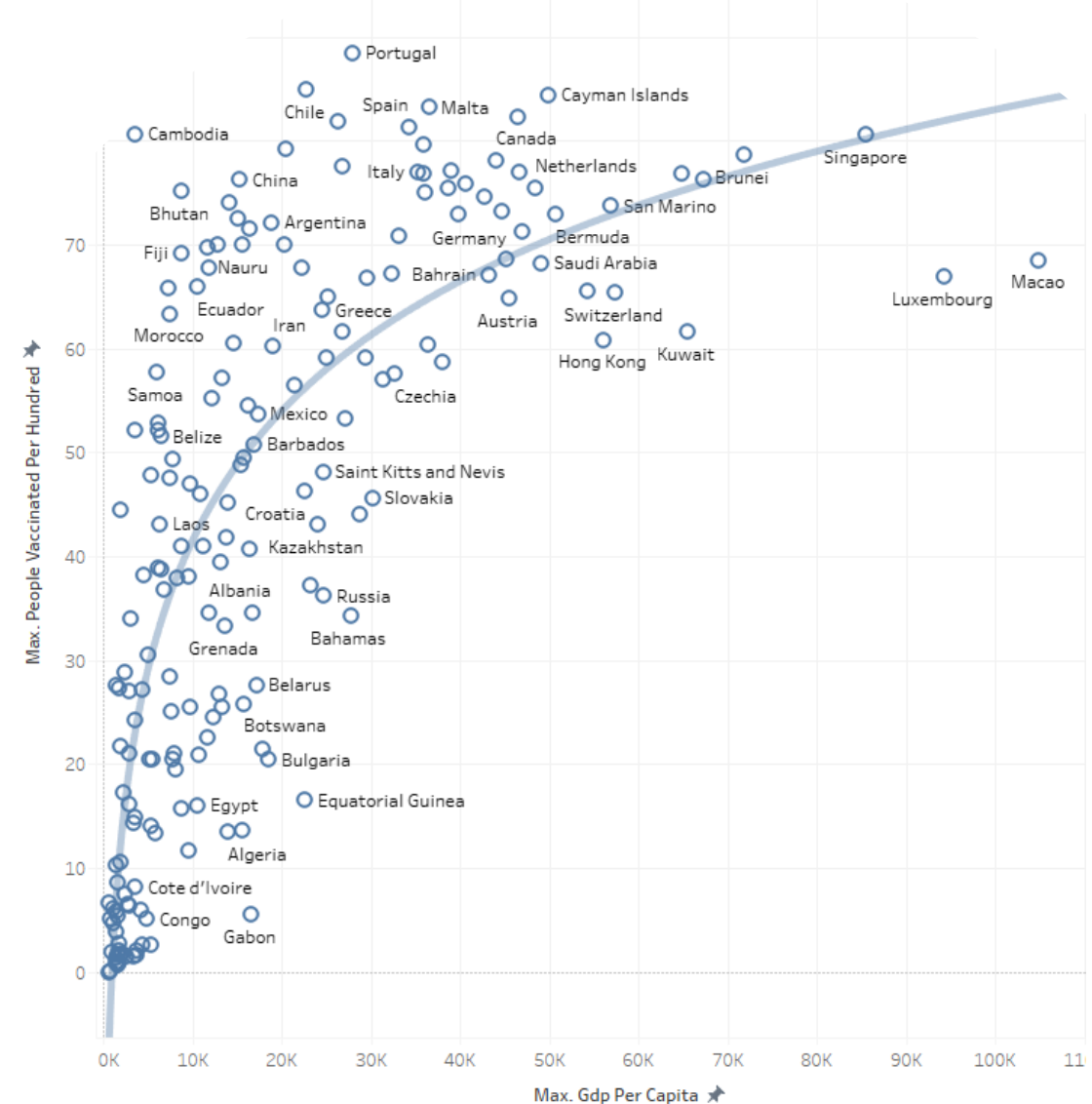**Percentage of people with at least 1 dose of vaccine**

Wealth

0.638
Correlation Coefficient

- Positive correlation between country GDP per capita and vaccination rates

- **Richer countries have higher vaccination rates, and vice versa**

Dashboard

- To access the interactive dashboard, please click on this link.

Conclusions

1

- Wealthier countries and ones that have sustained economic growth tend to have higher vaccination rates

2

- Geographical location does not really affect vaccination rates
- However, developing countries tend to have a lower vaccination rate

3

- *Evidence suggests that wealth goes together with a higher vaccination rate

*Does not mean there is a causal effect, further analysis required

Thank you