

The background of the slide is a dark red color with numerous 3D-rendered virus particles of varying sizes scattered across it. In the top-left corner, there is a white left-pointing arrow, and in the top-right corner, there is a white right-pointing arrow.

INTRDOUCTION

The COVID-19 pandemic triggered one of the most extensive global vaccination campaigns in history. Understanding vaccination trends, effectiveness, and distribution is crucial for policymakers, healthcare professionals, and researchers.

This analysis aims to explore a comprehensive vaccination dataset to uncover key insights such as vaccination rates across countries, the effectiveness of different vaccines, and forecasting future vaccination trends. The study involves data preprocessing, exploratory data analysis (EDA), predictive modeling, and deployment to provide meaningful insights.

Intrdouction

Report 1

Report 2

Report 3

Report 4

CONCLUSION

Global COVID-19 Vaccination Analysis

Sum of total_vaccinations by country



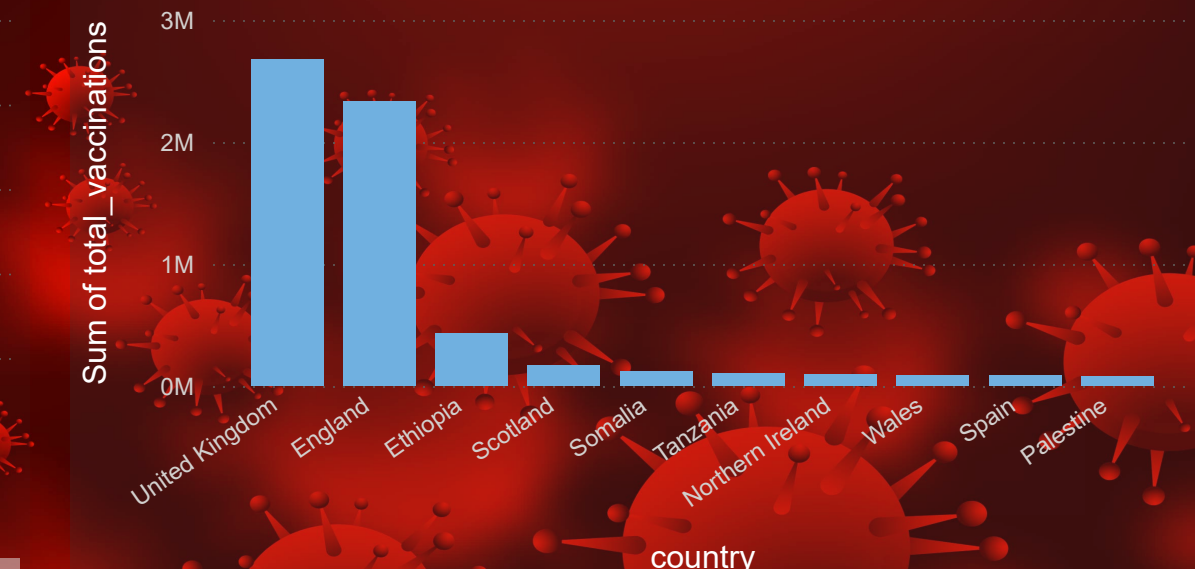
Sum of total_vaccinations_per_hundred by Year

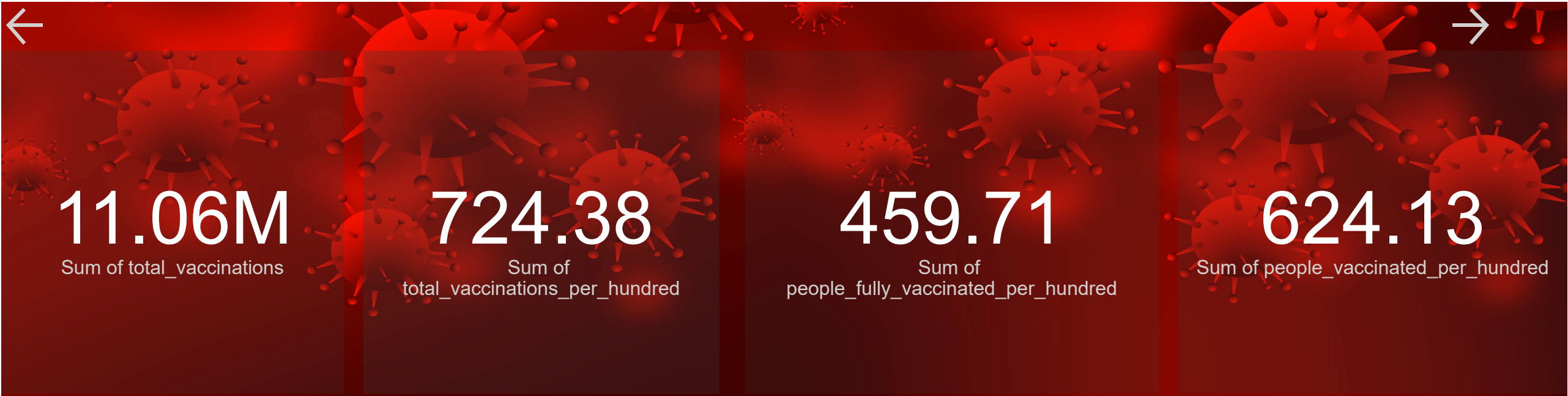


Sum of people_fully_vaccinated by country

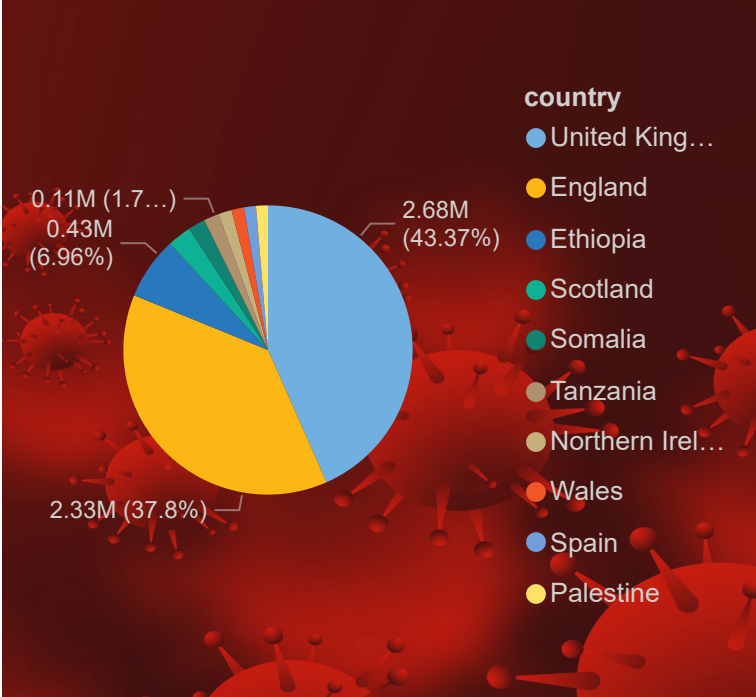


Sum of total_vaccinations by country

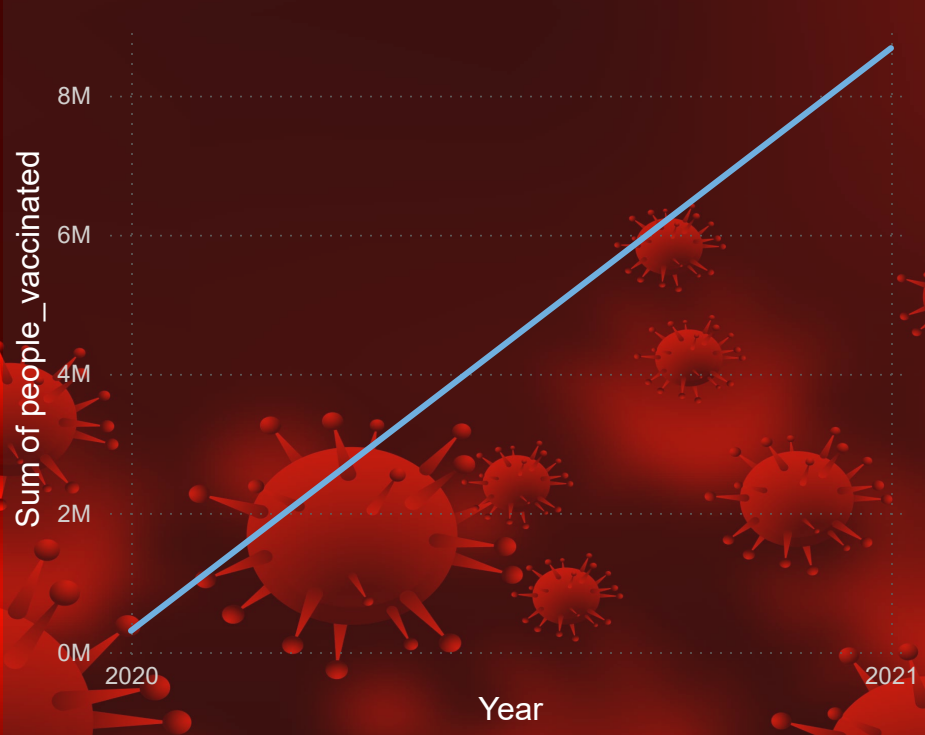




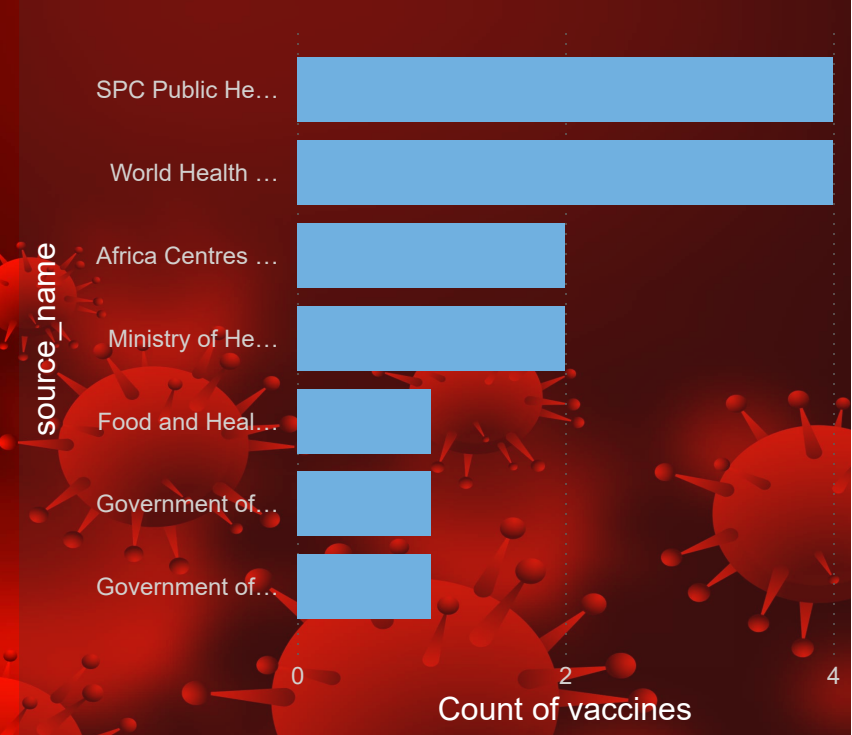
Sum of total_vaccinations by country and vaccines



Sum of people_vaccinated by Year



Count of vaccines by source_name



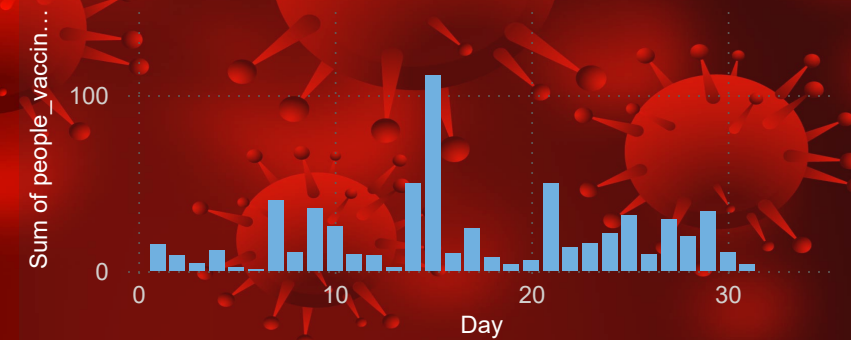
205

Count of vaccines

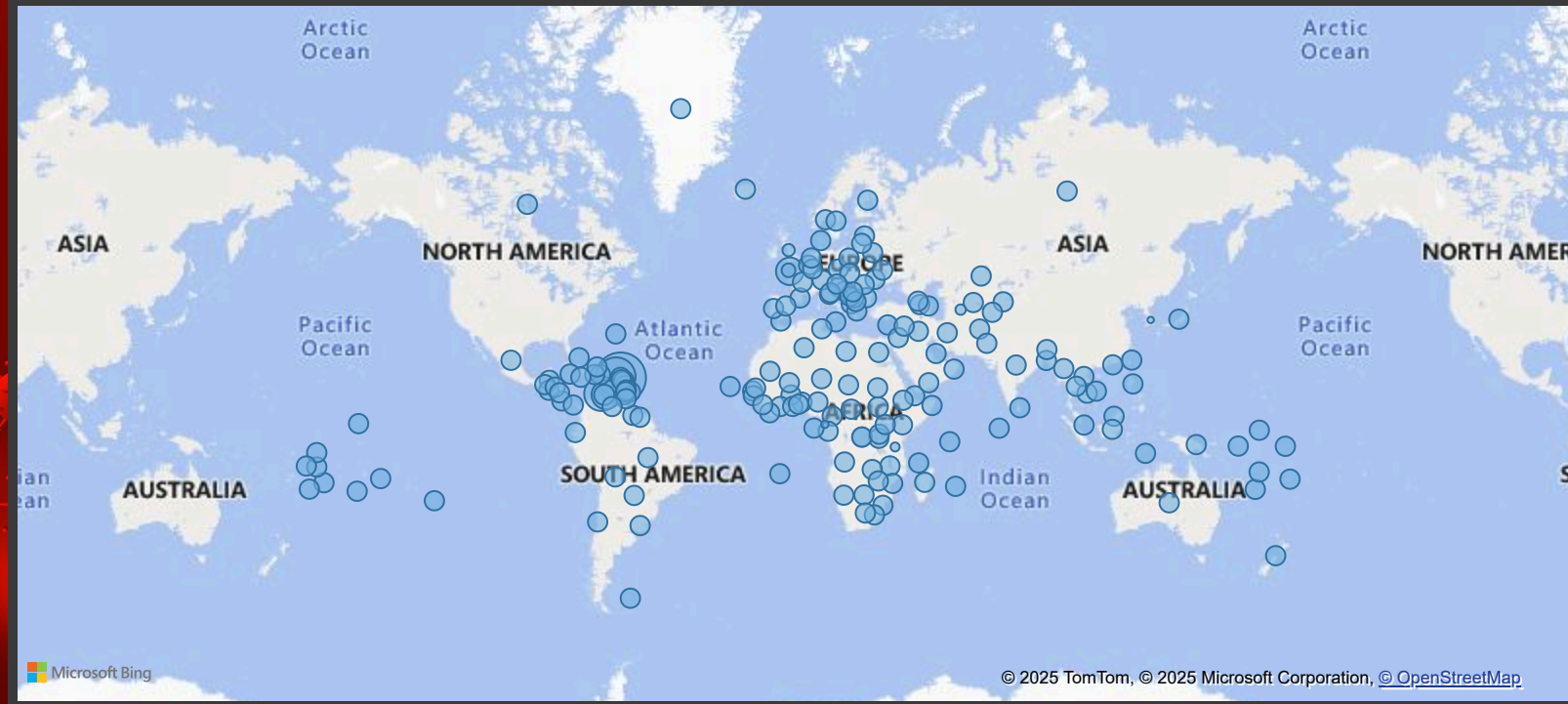
7.10M

Sum of people_fully_vaccinated

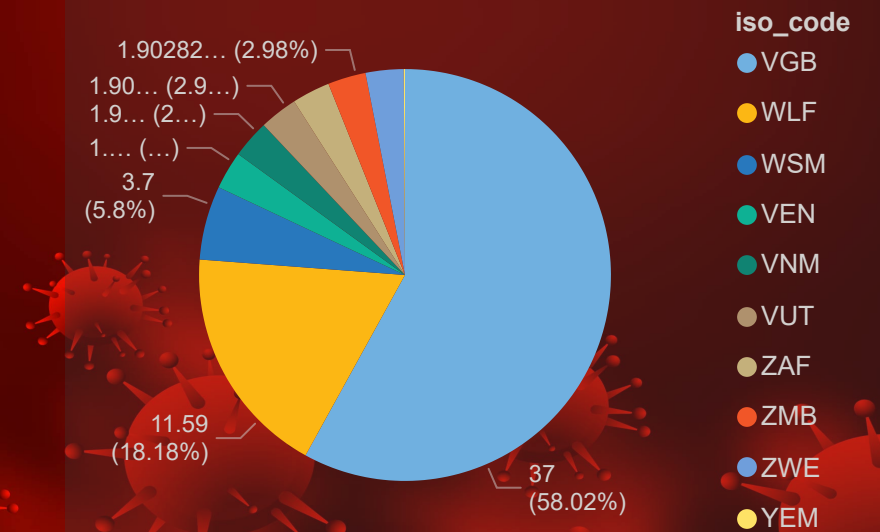
Sum of people_vaccinated_per_hundred by Day



Sum of people_fully_vaccinated_per_hundred by country



Sum of people_vaccinated_per_hundred by iso_code



←

country

All

date

02-12-2020

19-10-2021

iso_code

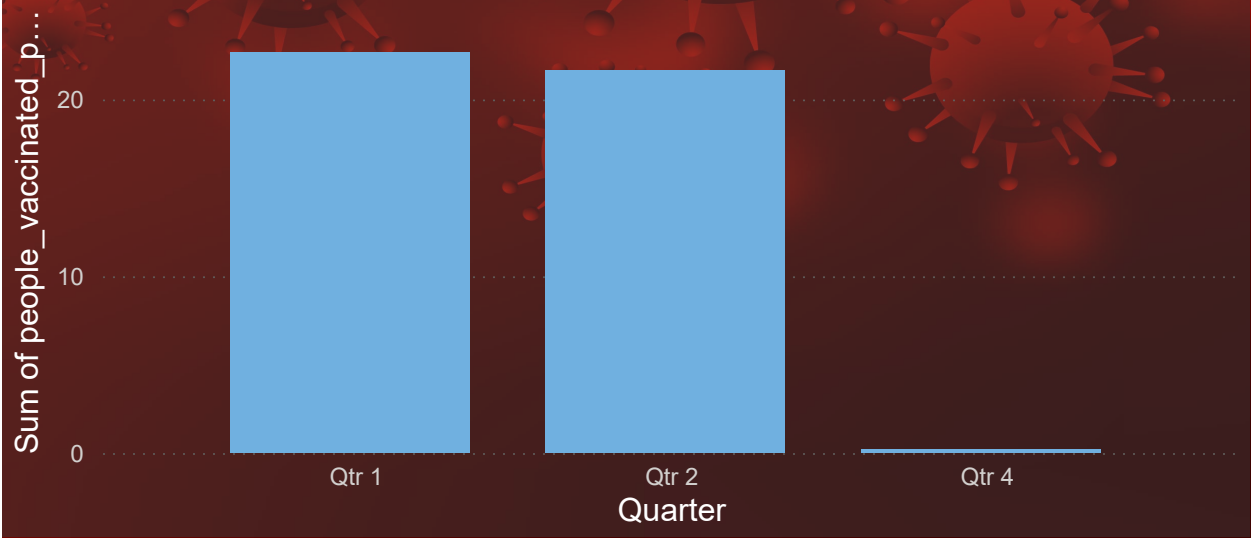
All

vaccines

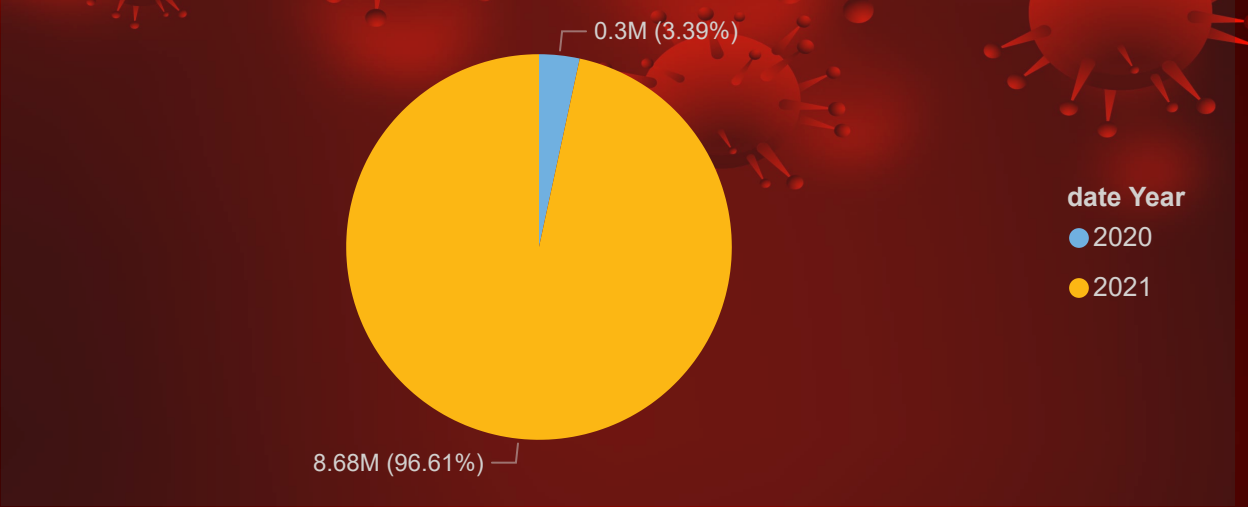
All

→

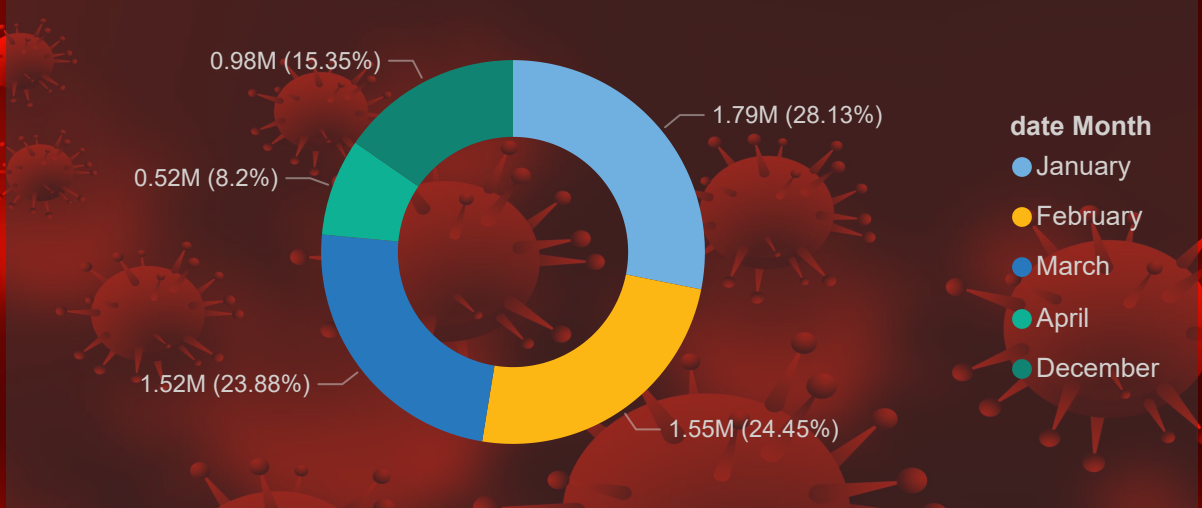
Sum of people_vaccinated_per_hundred by Quarter



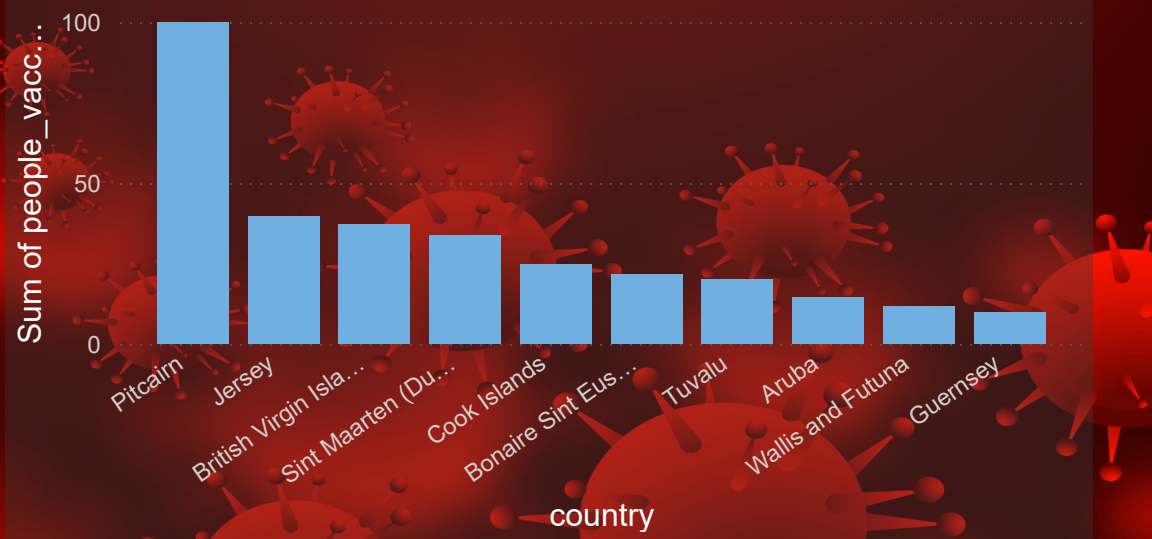
Sum of people_vaccinated by Year



Sum of people_fully_vaccinated by Month



Sum of people_vaccinated_per_hundred by country



The background of the slide is a dark red color with numerous 3D-rendered virus particles scattered across it. These particles are spherical with many small, pointed protrusions. In the top-left corner, there is a white left-pointing arrow, and in the top-right corner, there is a white right-pointing arrow.

CONCLUSION

The analysis of global COVID-19 vaccination data provides key insights into vaccination trends, effectiveness, and distribution across various countries. The findings reveal significant disparities in vaccination rates, with some countries achieving high coverage while others lag behind. The effectiveness of different vaccines has also been examined, offering valuable data for policymakers and healthcare professionals to improve future vaccination strategies.

Furthermore, predictive modeling has helped forecast future vaccination trends, which can aid in planning and resource allocation. The study highlights the importance of continuous monitoring and data-driven decision-making to combat global health crises effectively.

Overall, this project underscores the critical role of vaccination programs in controlling pandemics and emphasizes the need for equitable vaccine distribution worldwide.