



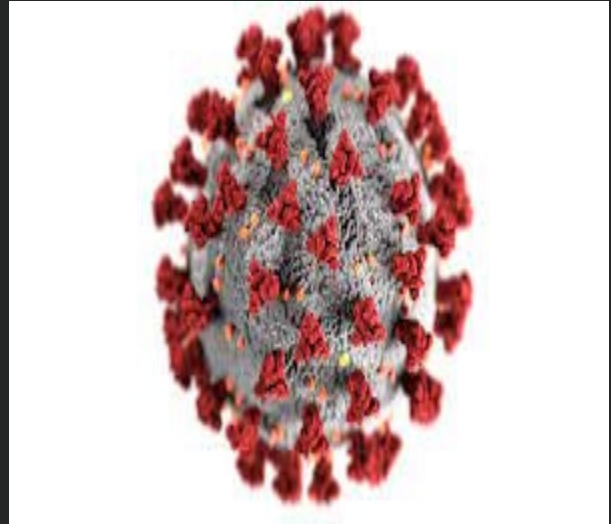
Luddy School of Informatics, Computing, and Engineering

Covid-19 Analysis

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What is Covid-19

- Virus that was discovered in December 2019 in Wuhan China
- Originates from SARS-CoV-2
 - All a part of the coronavirus family
- Spreads rapidly through little droplets that come from the mouth or nose



Outcome of Covid-19

- 563 million confirmed cases
- 6.3 million confirmed deaths
- Spread to more than 180 countries



Fight Against Covid-19

- According to the Washington Post, 90% of Americans stayed home at the start of the pandemic (April 2020)
- Release and distribution of vaccines throughout 2021 and 2022
- Social distancing

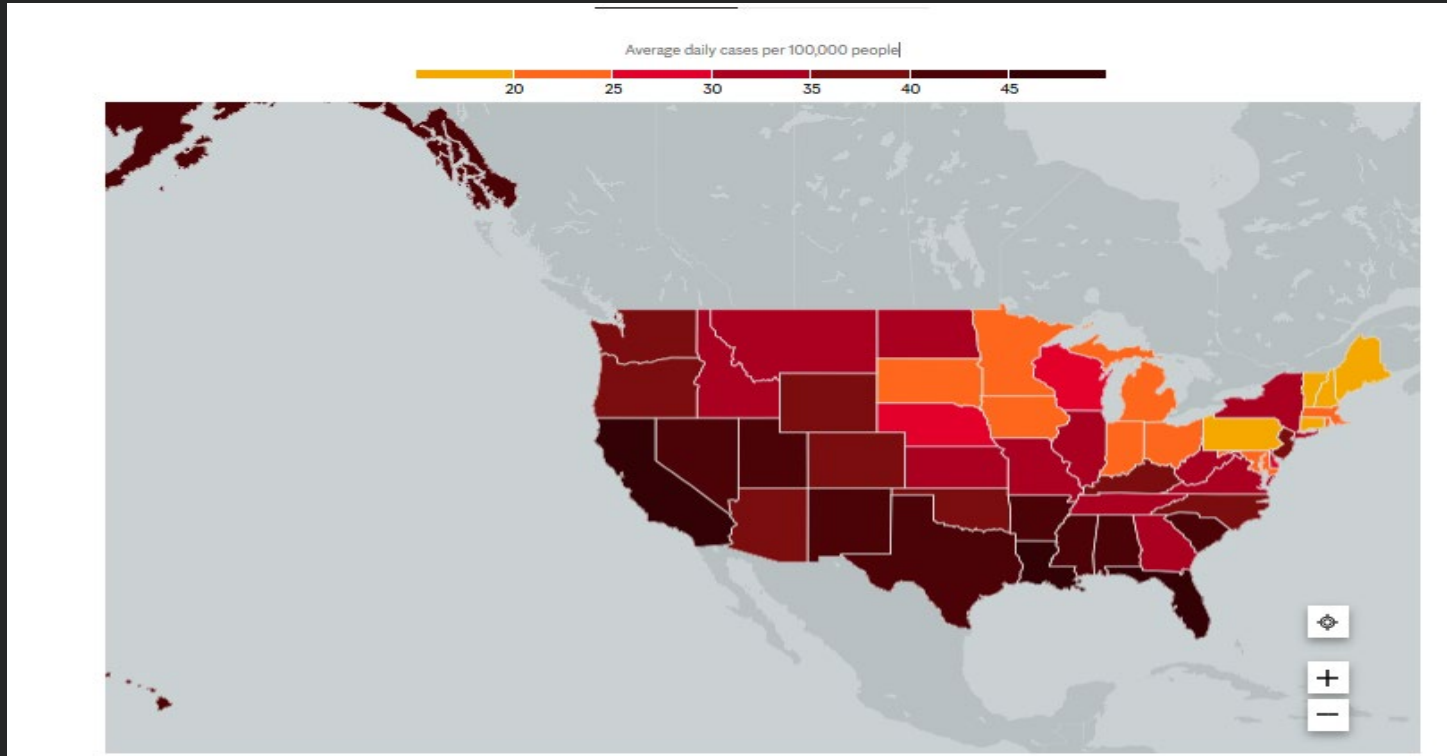


Why Should We Care About Covid-19

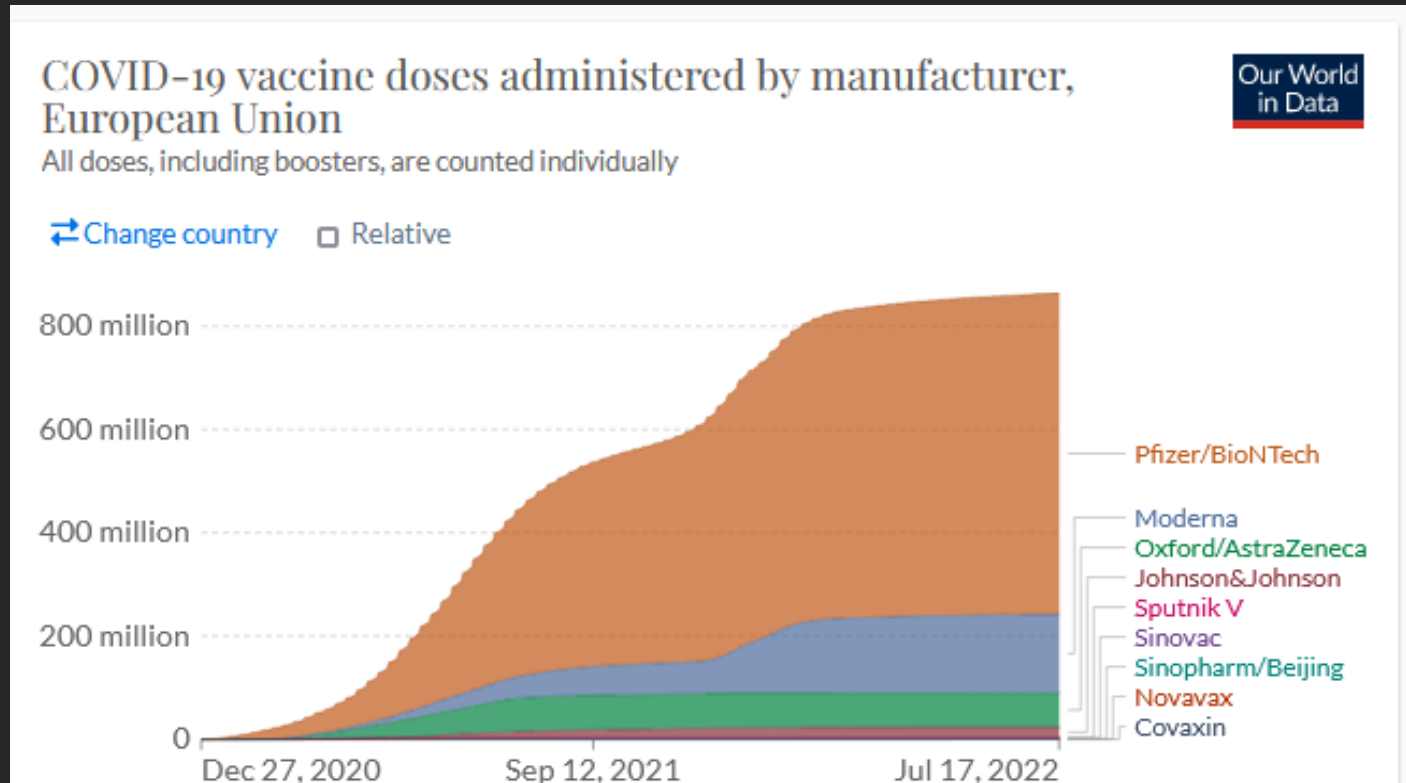
- Killed millions and infected hundreds of millions of people
- Higher age bracket has a higher mortality rate
- Major shift in social and political views
- Prepare for the next pandemic



Existing Visualization



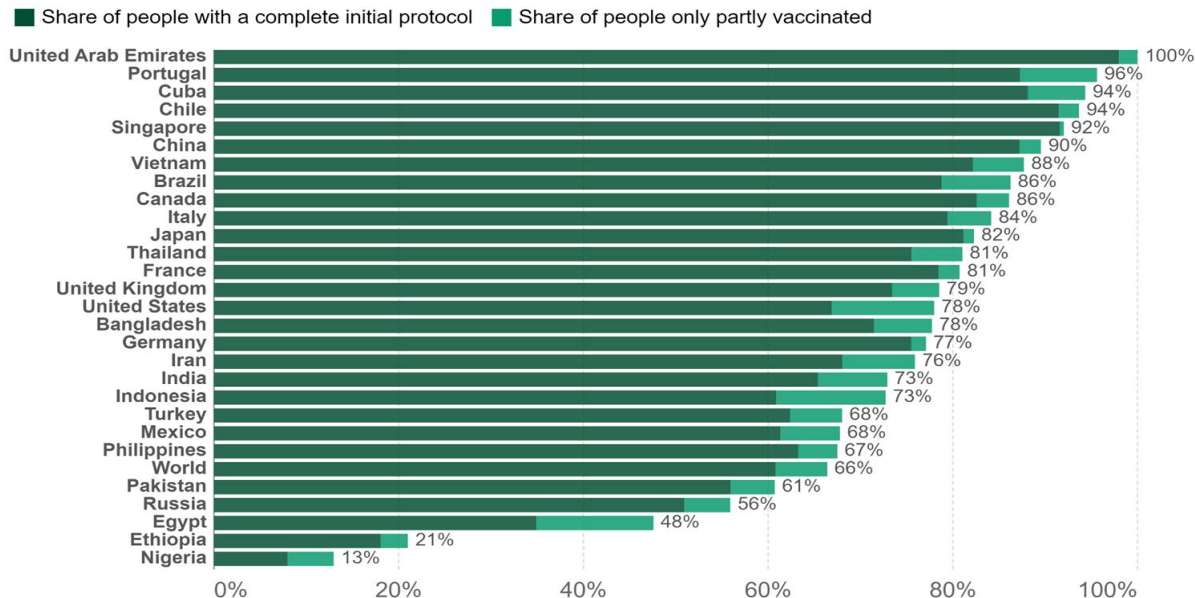
Existing Visualization



Existing Visualization

Share of people vaccinated against COVID-19, Jun 26, 2022

Our World
in Data



Source: Official data collated by Our World in Data

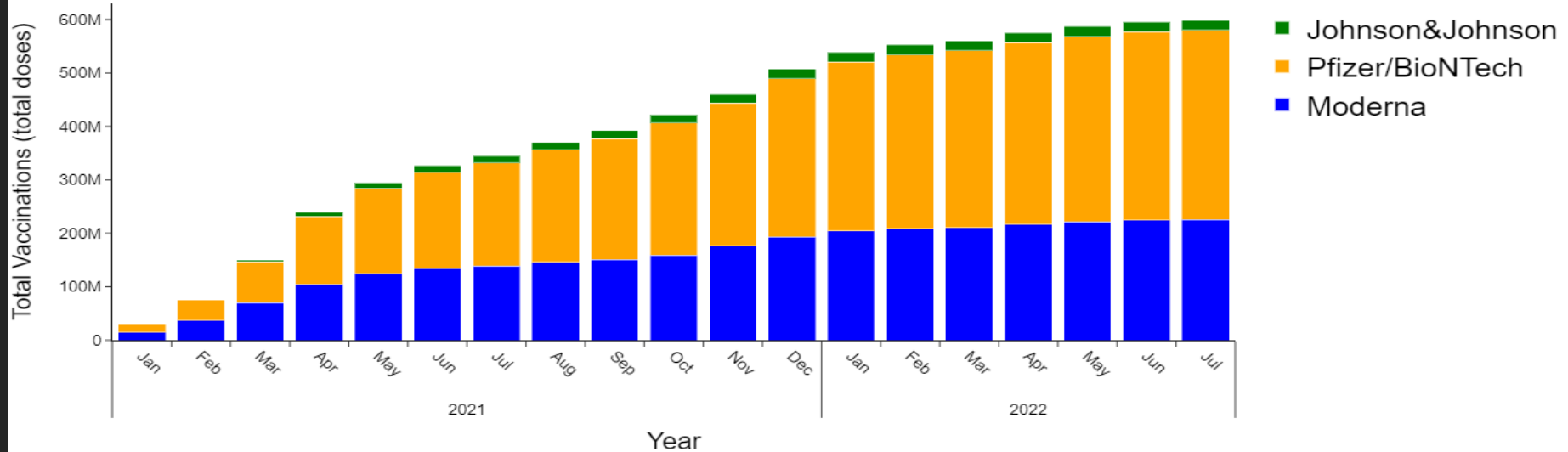
Note: Alternative definitions of a full vaccination, e.g. having been infected with SARS-CoV-2 and having 1 dose of a 2-dose protocol, are ignored to maximize comparability between countries.

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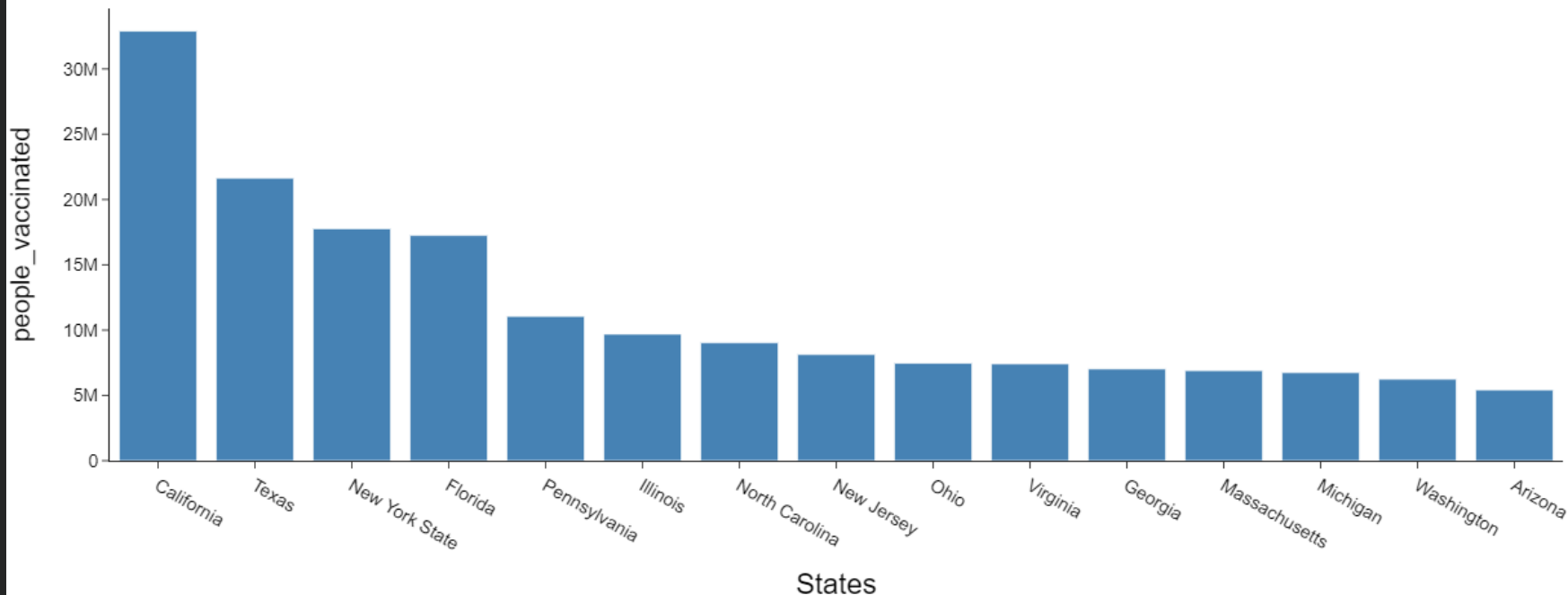
Covid-19 Team Visualizations

Total Quantity of types of vaccines used in USA(total doses)



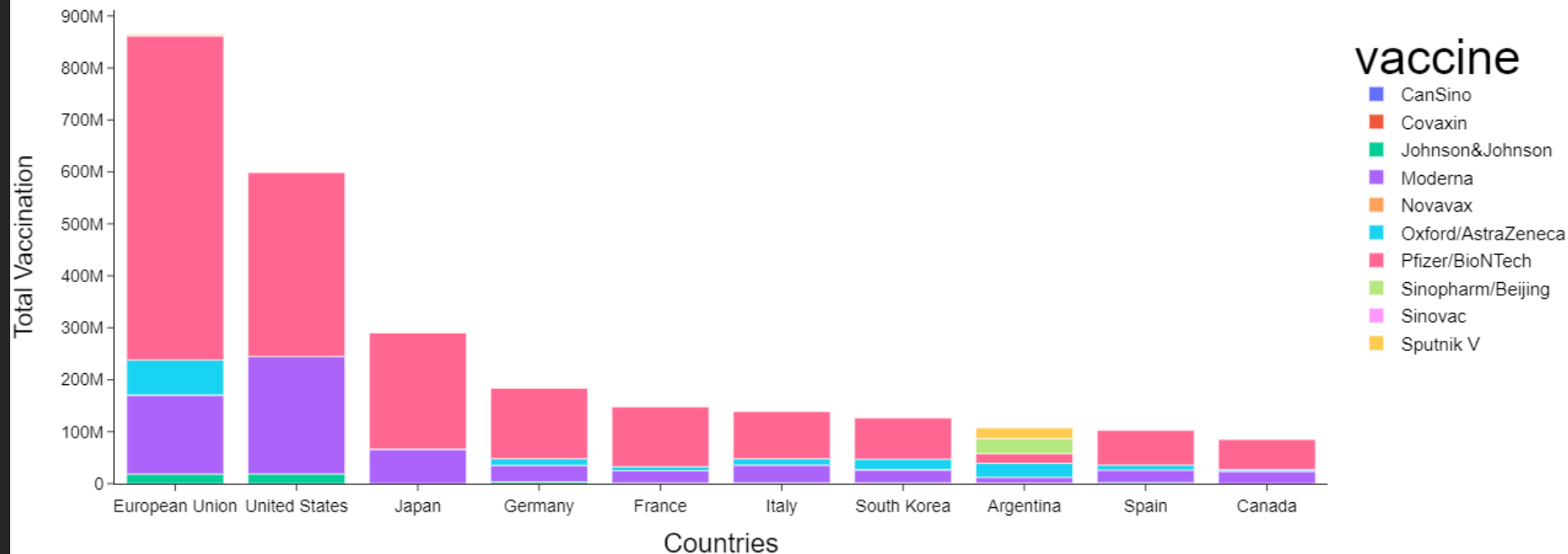
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Top 15 vaccinated states in USA



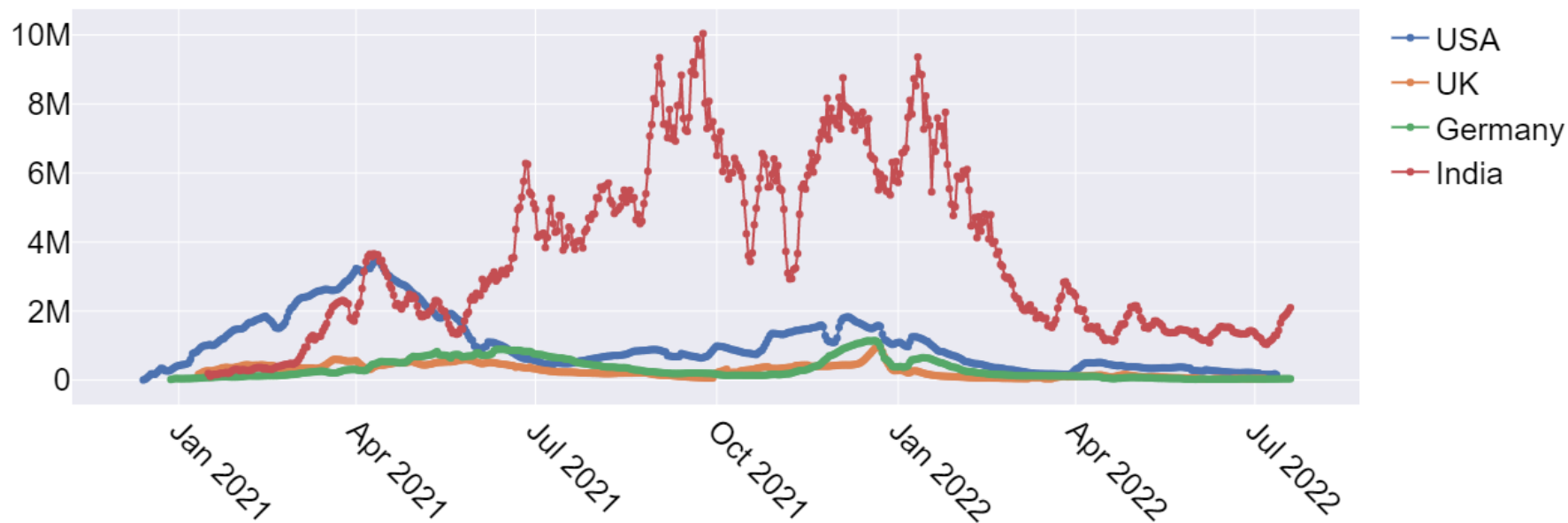
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Top 10 countries with most used vaccinations



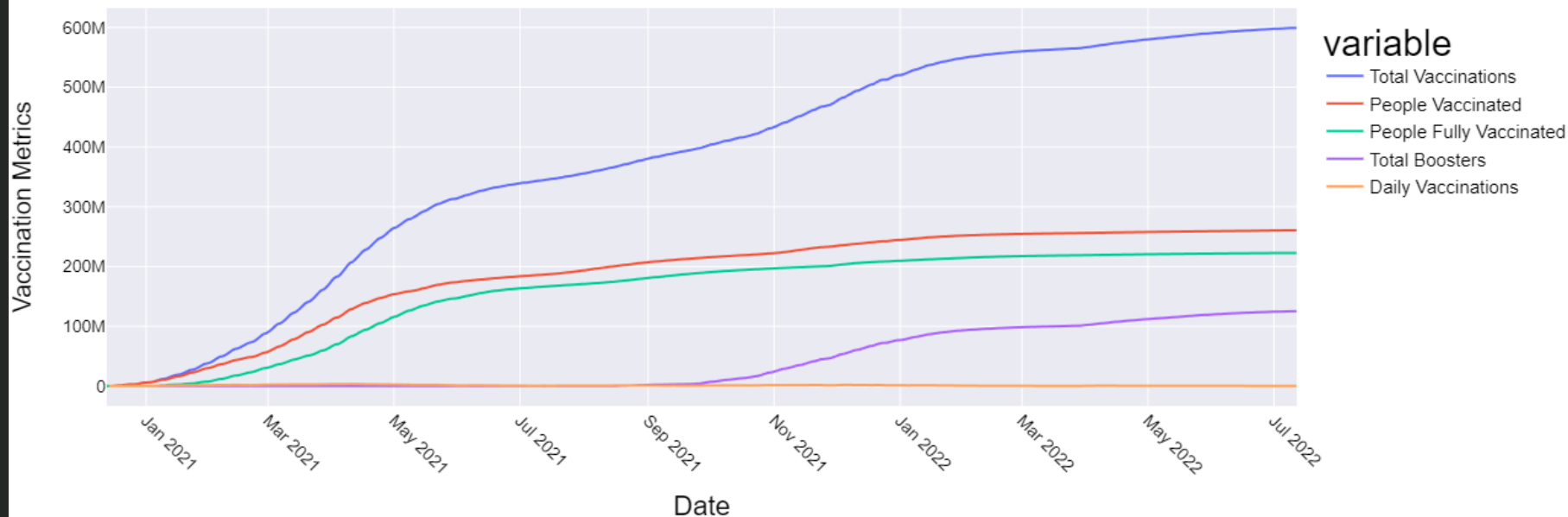
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Comparison of Daily Vaccinations



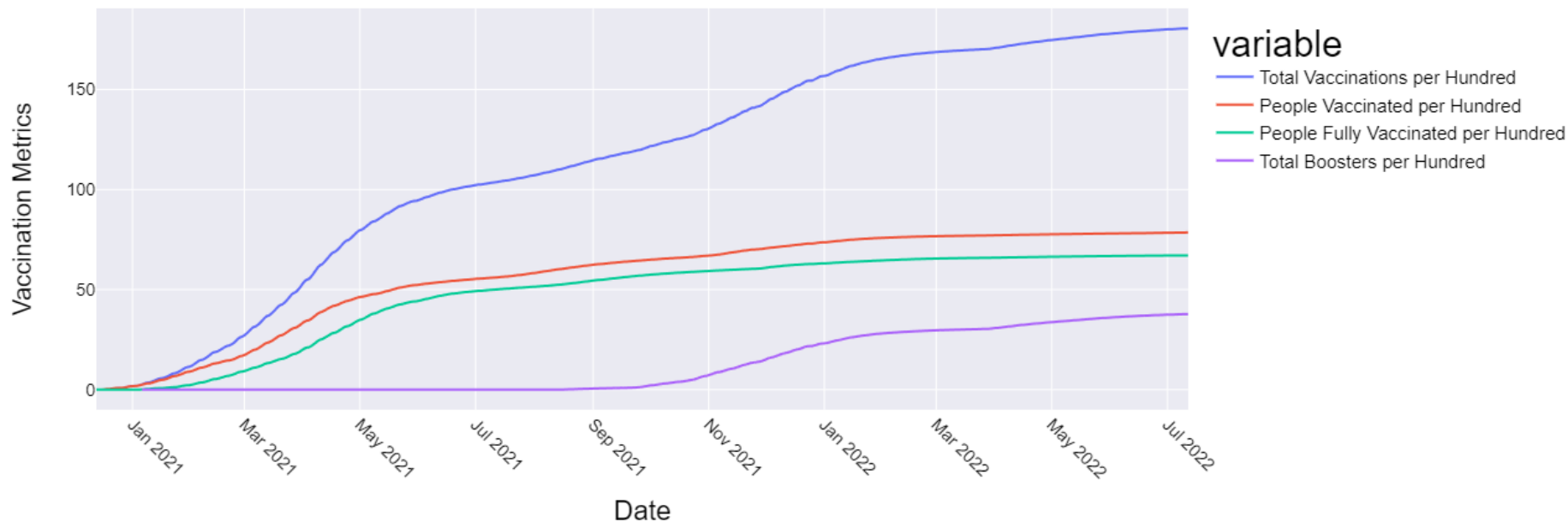
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USA Vaccination Metrics (actual #)

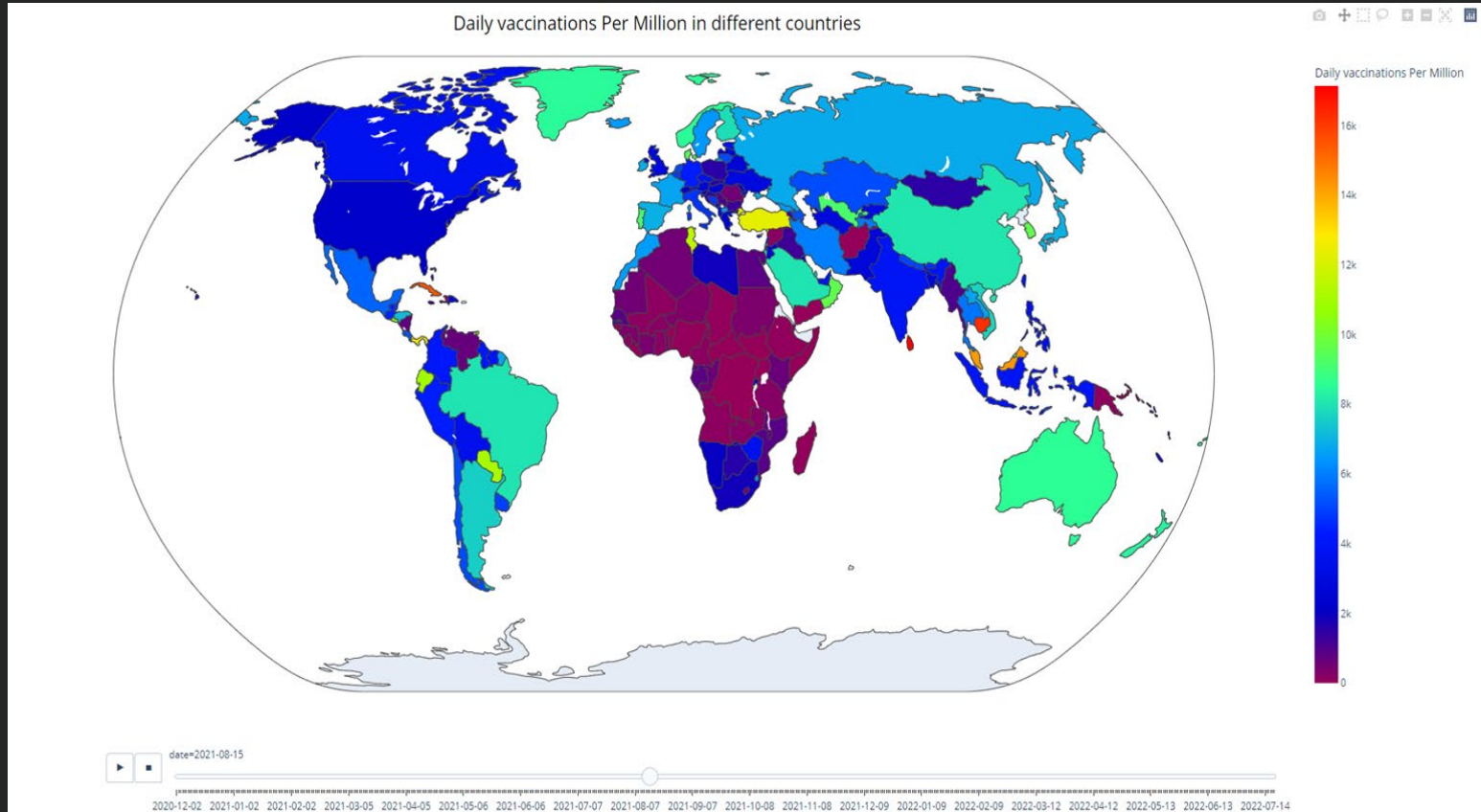


Covid-19 Team Visualizations

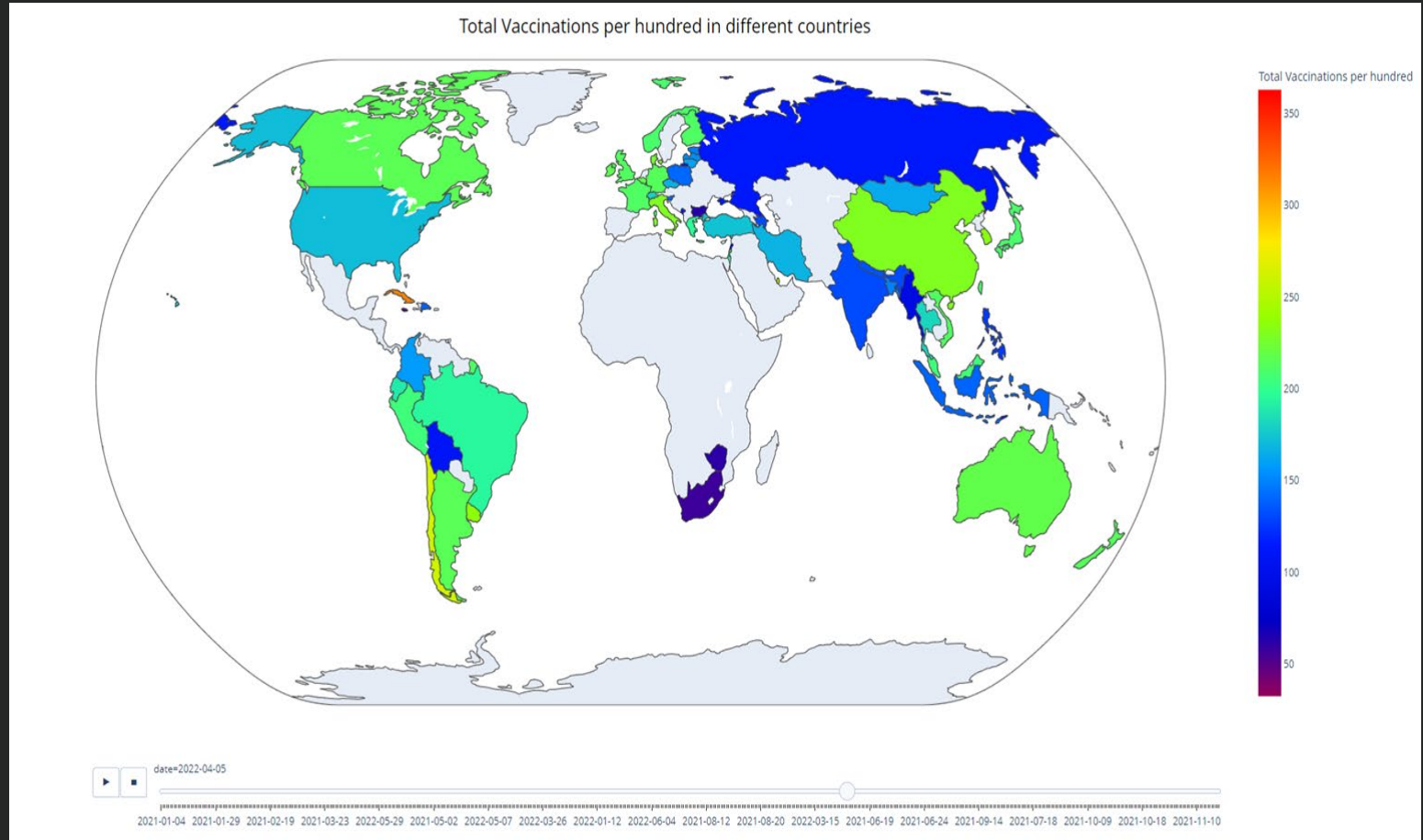
USA Vaccination Metrics / hundred



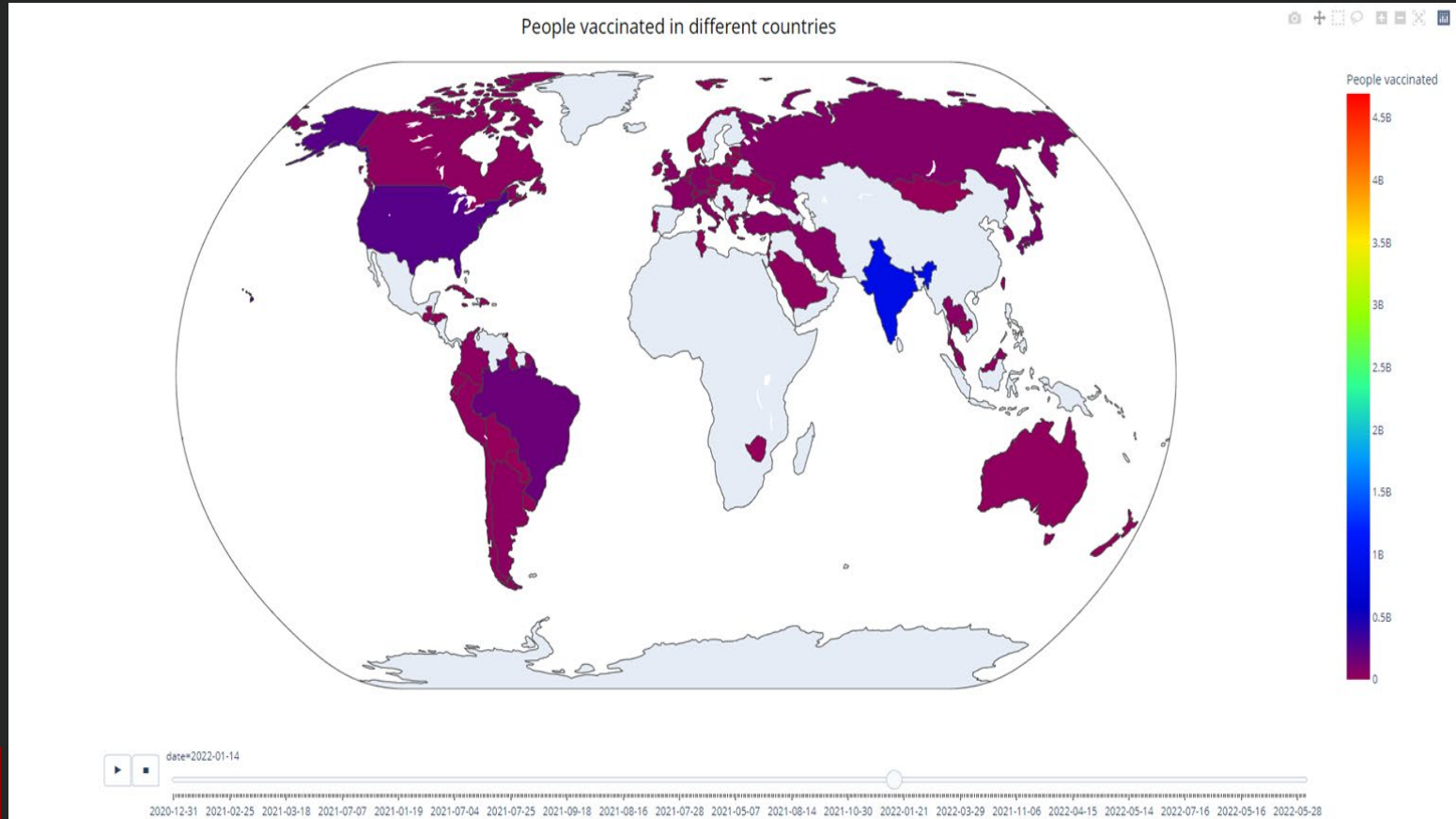
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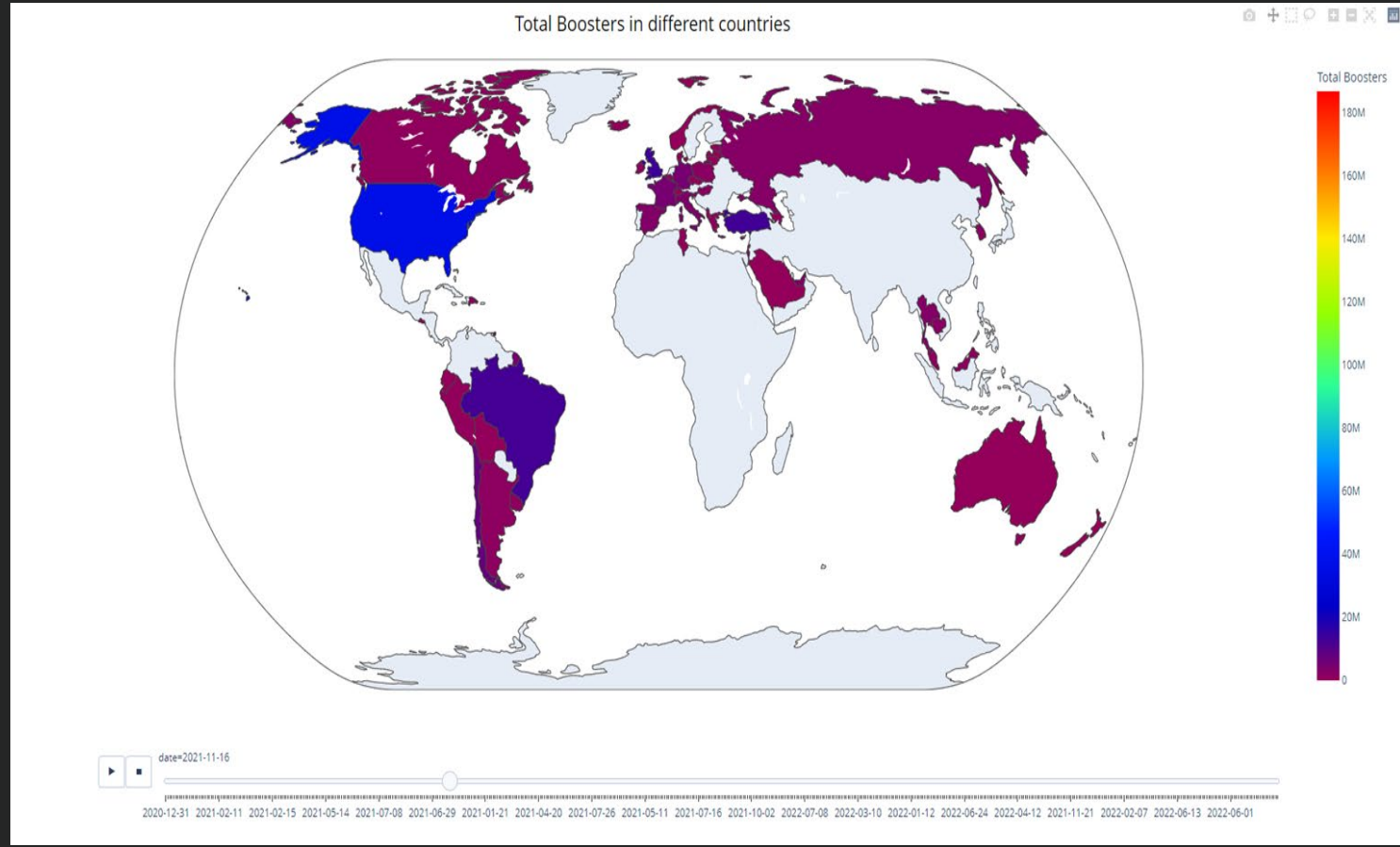
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Covid-19 Team Visualizations

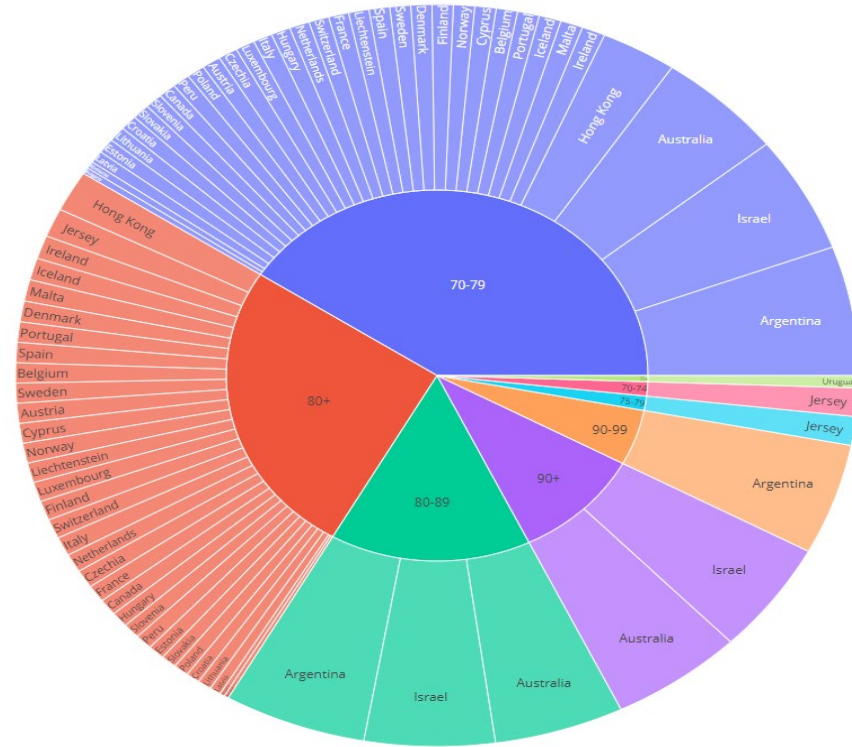


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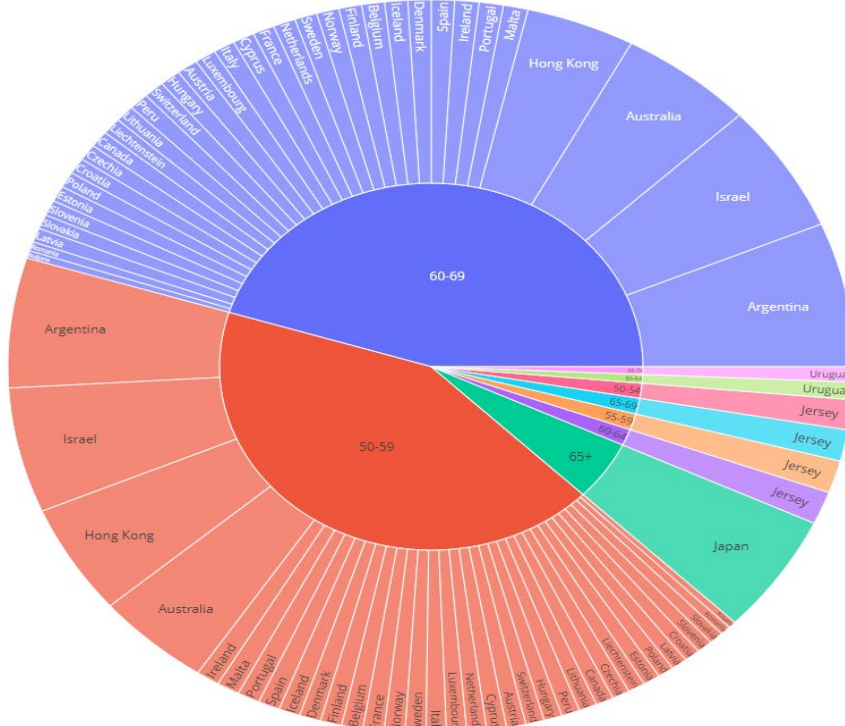
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Vaccinations per hundred of people with Age greater than 70



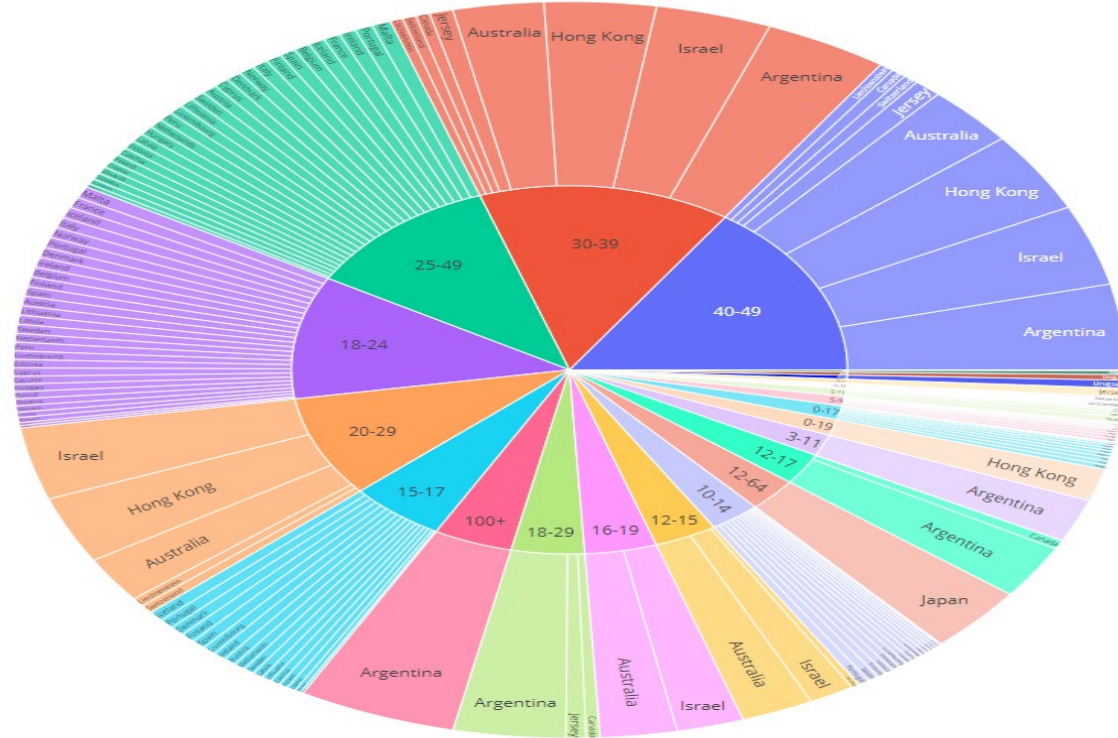
Covid-19 Team Visualizations

Vaccinations per hundred of people with Age greater than 50 and less than 70

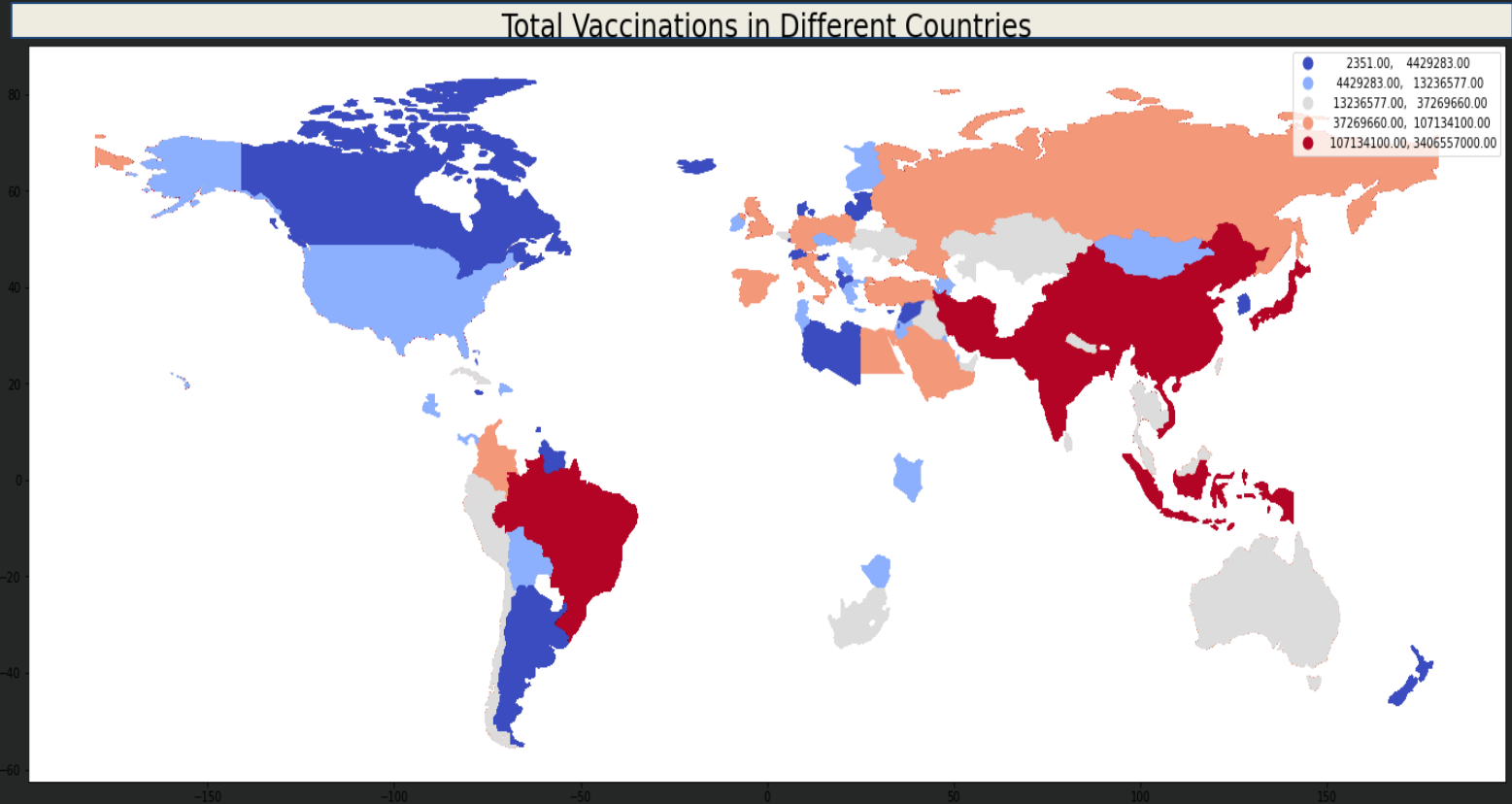


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Vaccinations per hundred of people with Age less than 50

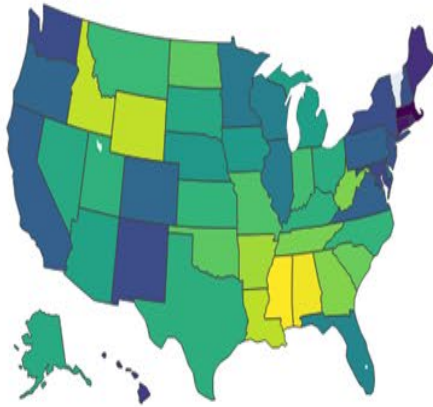


Covid-19 Team Visualizations



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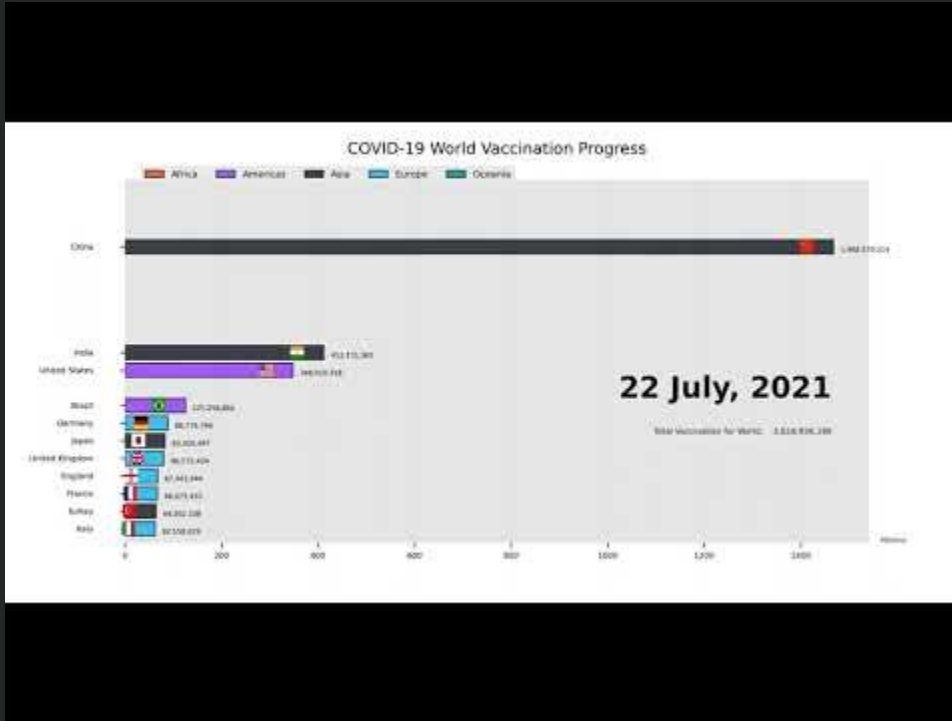
Vaccination Per Hundred People by State



date=2021-07-27



Covid-19 Team Visualizations



Future Work and Conclusion

- Pull in more data to see the effects of Covid-19 (I.e mental health)
- Run analysis on vaccination rate against Covid-19 cases

