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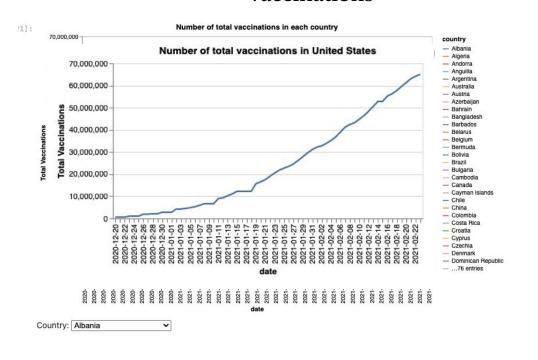
03 Insight & Story







Interactive Line chart for global and country vaccinations

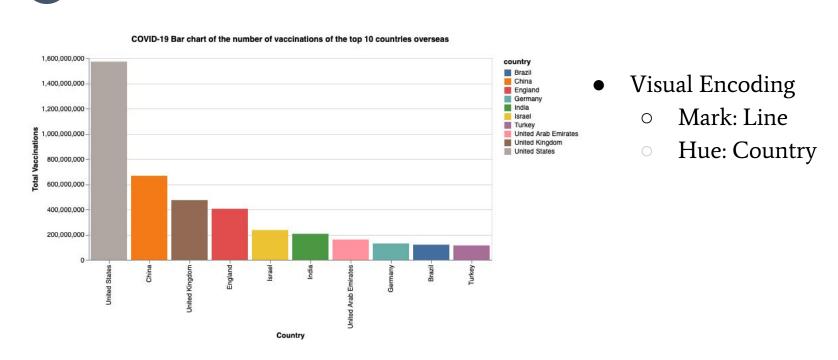


- Visual encoding
 - Hue -- country
 - Color for qualitative data
- Select
 - Select country

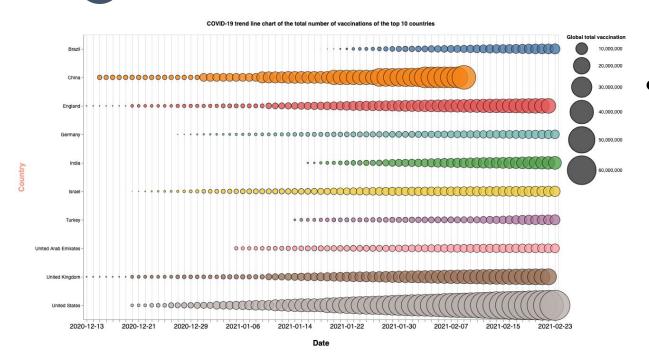


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Bar Chart for vaccination of top 10 countries

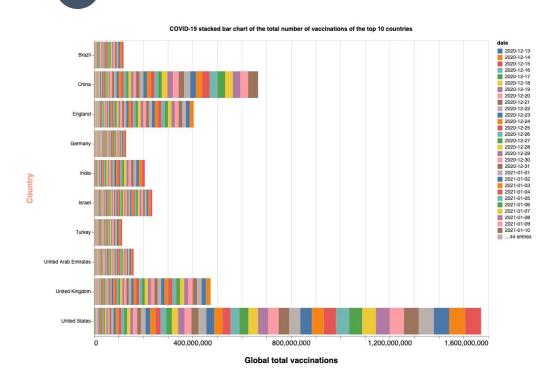


Trending line for vaccination of top 10 countries



- Visual Encoding
 - Size:Vaccination
 - Hue: Country
 - Position: Time

Stacked bar for vaccination of top 10 countries



Visual Encoding

• Hue: Time

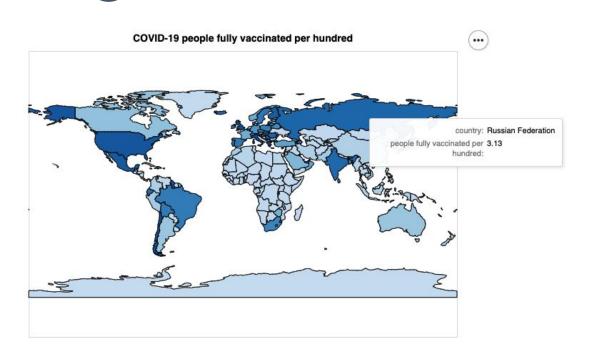
• Position: Time &

Vaccinations

Vis Techniques & Principle cont.

3 -----

Choropleth Map for Vaccinations per hundred



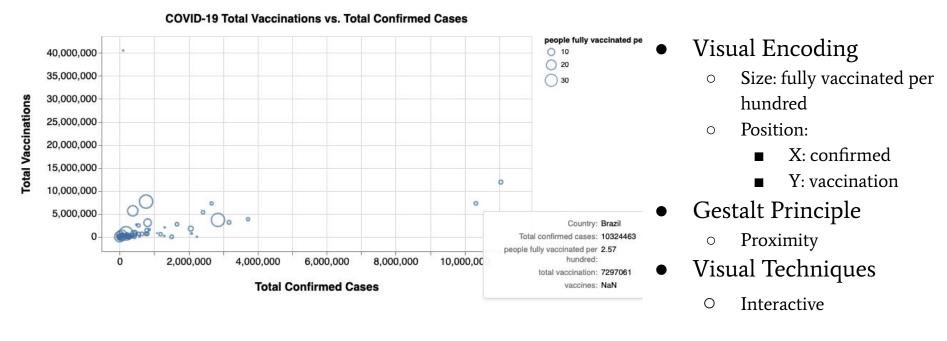
- Visual Encoding
 - Hue: vaccinated per hundred (Not total vaccination)
- Gestalt Principle
 - o Compare

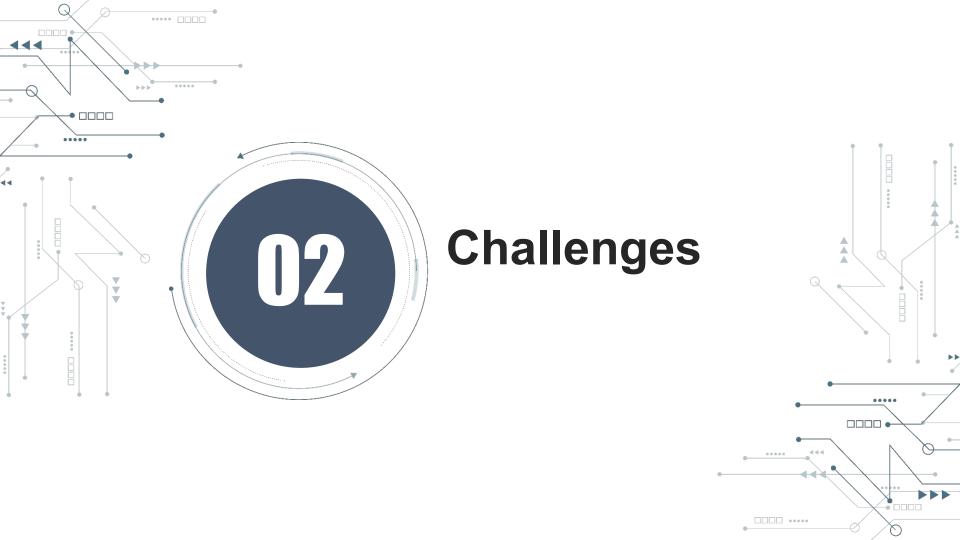


Vis Techniques & Principle cont.



Scatter plot compare vaccination and total confirmed cases







What challenges did you face?

The first one is that how to process data set reasonably to ensure the reality of information, such as, data cleaning, missing data processing, useful data extraction, etc.

1

2

The second challenge we face in this project is that how to show the Covid19 cases data and the vaccination data together to have a comparison and get reasonable insights. Bivariate cartograph should be a better way than scatter plot, but it is hard to produce.



Insights & Story

Overall impression of COVID-19 vaccination.

Most countries started the vaccination process and the overall vaccination increased steadily.

Close study the top 10 countries with vaccinations.

Identify countries that have most vaccinations and their trend.

Countries which have a fast pace of vaccination (larger number of people vaccinated per hundred) most belong to developed country (North America, Europe, etc...)

Slightly positive relationship between number of confirmed COVID19 cases and number of vaccinations.

Suggesting that countries which have a larger number of confirmed cases care more about vaccinations.

