JavaScript Visualization: Group 5

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## **Topic:**

The goal of this project is to create an interactive visualization that will allow end-users to view and explore COVID-19 data by country. We will be leveraging available datasets from reliable sources to understand the differences and global impact of COVID-19 over time, looking at areas such as total cases, total deaths, and new/active cases.

## **Dataset(s):**

1. Covid Cases by Country -2023
   * **Source:** Kaggle
   * **About Dataset:** Number of reported cases and deaths from the SARS-CoV-2 Virus for each country.Data (to-date) as of 8/6/2023.
   * **Link:** <https://www.kaggle.com/datasets/joebeachcapital/covid-cases-by-country-2023>
2. Daily Cases and Deaths by Date (1) // Vaccination Data (2)
   * **Source**: World Health Organization (WHO)
   * **Dataset 1:** New and total confirmed cases and deaths for COVID-19, per country. Updated daily.
   * **Dataset 2:** Total Vaccinations and Boosters per country. Updated weekly.
   * **Links:**
     1. <https://covid19.who.int/WHO-COVID-19-global-data.csv>
     2. <https://covid19.who.int/who-data/vaccination-data.csv>

## **Tools/Visualization *Ideas*:**

JavaScript Libraries

* Leaflet
* Apex
* D3

Visualizations:

* Choropleth Map – global visualization color-coded.
* Marker Clusters – global data, display of clusters showing areas with significant case or death totals.
* Pie Chart – comparison for total vaccinations across countries?
* Line Chart – data over time – new cases?
* Apex Chart – data by country

## **Visualization Inspiration:**

|  |  |
| --- | --- |
| A map of the world  Description automatically generated |  |
| A graph with colorful rectangular bars  Description automatically generated with medium confidence |  |

## **Dashboard Sketch (Ideas):**

A screenshot of a computer

Description automatically generated

A screenshot of a graph

Description automatically generated