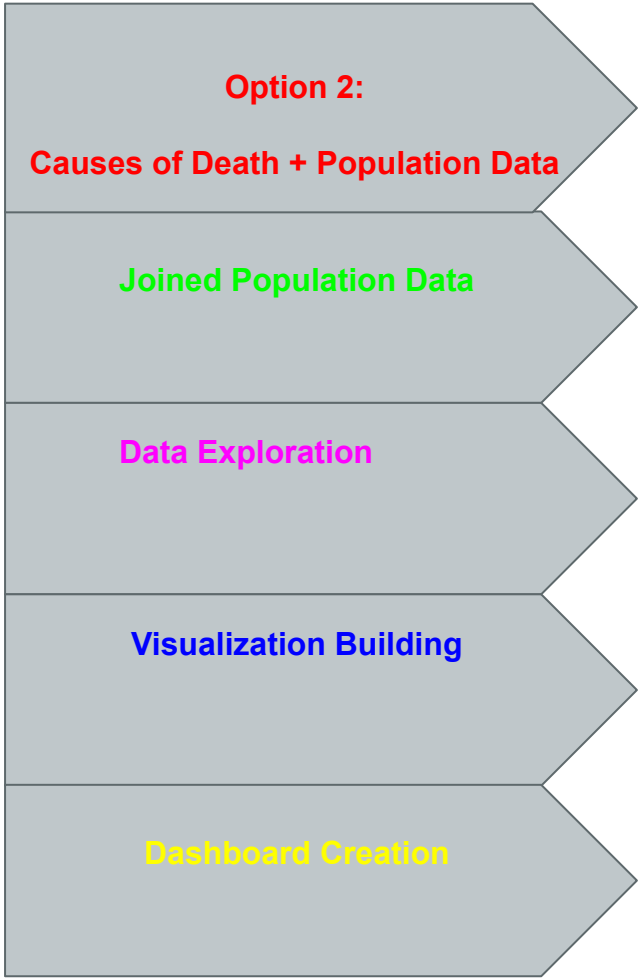
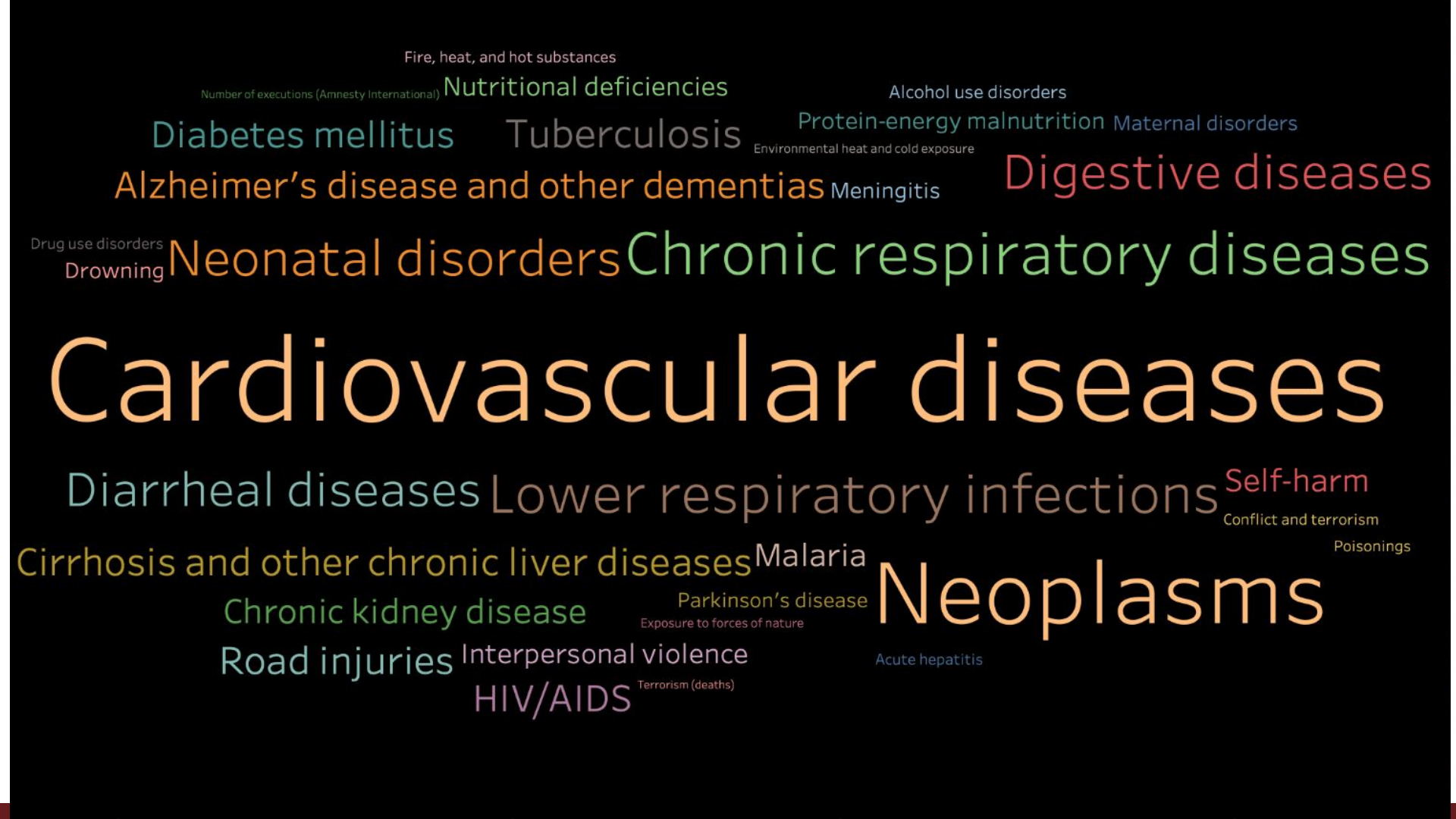
Causes of Death
Our World In Data Project Presentation

By Sara

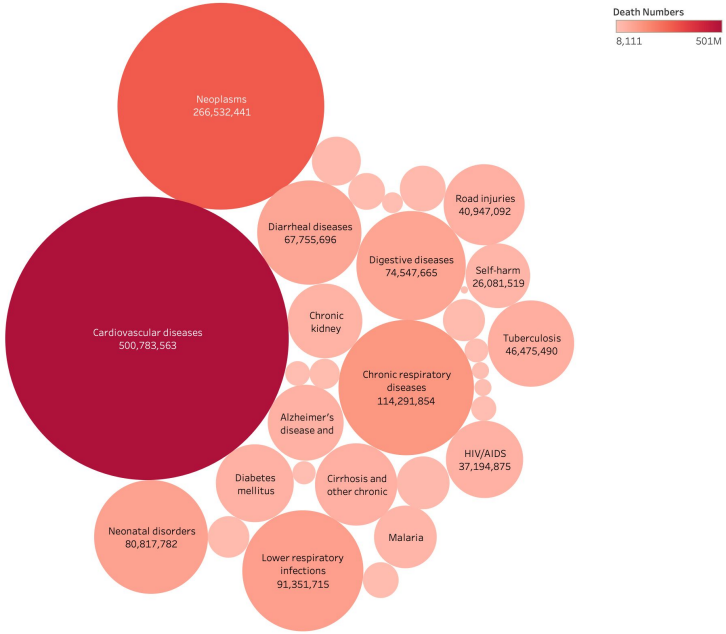

Option 2:
Causes of Death + Population Data
Joined Population Data
Data Exploration
Visualization Building
Dashboard Creation

QUESTIONS

1. What are the top causes of death globally and in specific countries?
2. How have these causes changed over the years?
3. Can we predict future trends in causes of death using historical data?
4. Are there any unexpected patterns or outliers in the dataset?

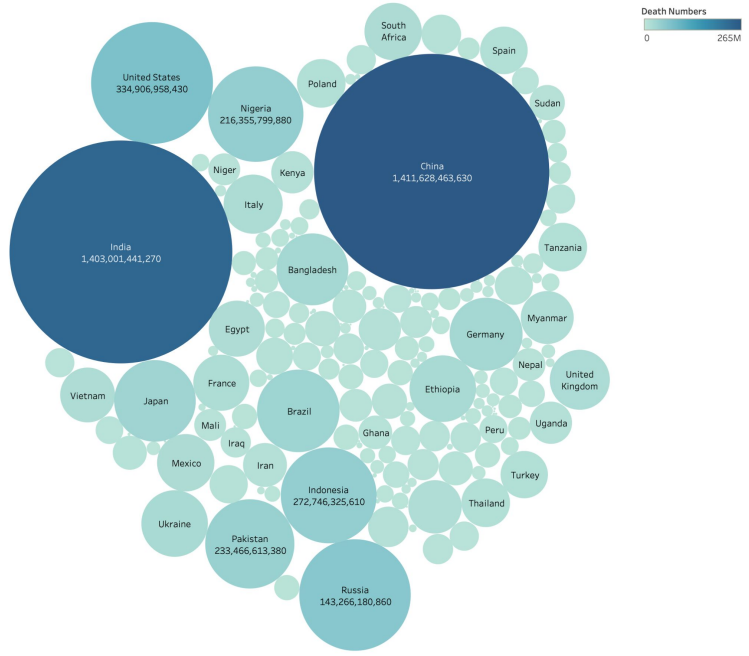

Fire, heat, and hot substances
Number of executions (Amnesty International)
Nutritional deficiencies
Alcohol use disorders
Diabetes mellitus
Tuberculosis
Protein-energy malnutrition
Maternal disorders
Environmental heat and cold exposure
Alzheimer's disease and other dementias
Meningitis
Digestive diseases
Drug use disorders
Drowning
Neonatal disorders
Chronic respiratory diseases
Cardiovascular diseases
Diarrheal diseases
Lower respiratory infections
Self-harm
Conflict and terrorism
Poisonings
Cirrhosis and other chronic liver diseases
Malaria
Neoplasms
Chronic kidney disease
Parkinson's disease
Exposure to forces of nature
Road injuries
Interpersonal violence
Acute hepatitis
HIV/AIDS
Terrorism (deaths)

Global Comparison of Top Causes of Death



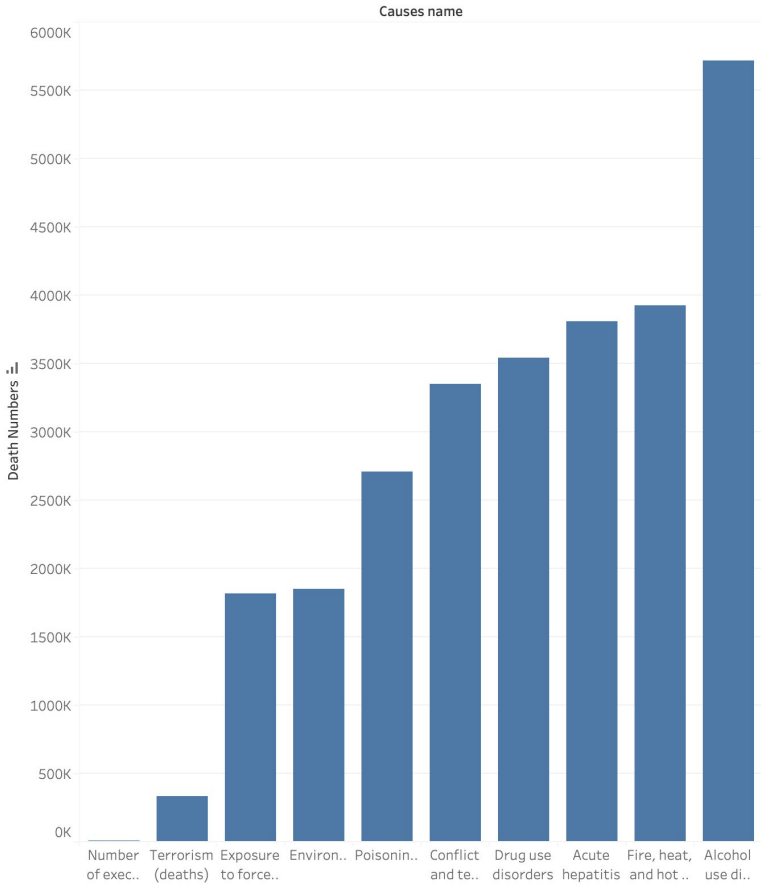
Causes name and sum of Death Numbers. Color shows sum of Death Numbers. Size shows sum of Death Numbers. The marks are labeled by Causes name and sum of Death Numbers. Details are shown for Causes name. The view is filtered on sum of Death Numbers, which ranges from 8,111 to 500,783,563.

Highest Fatality Rates Across Countries



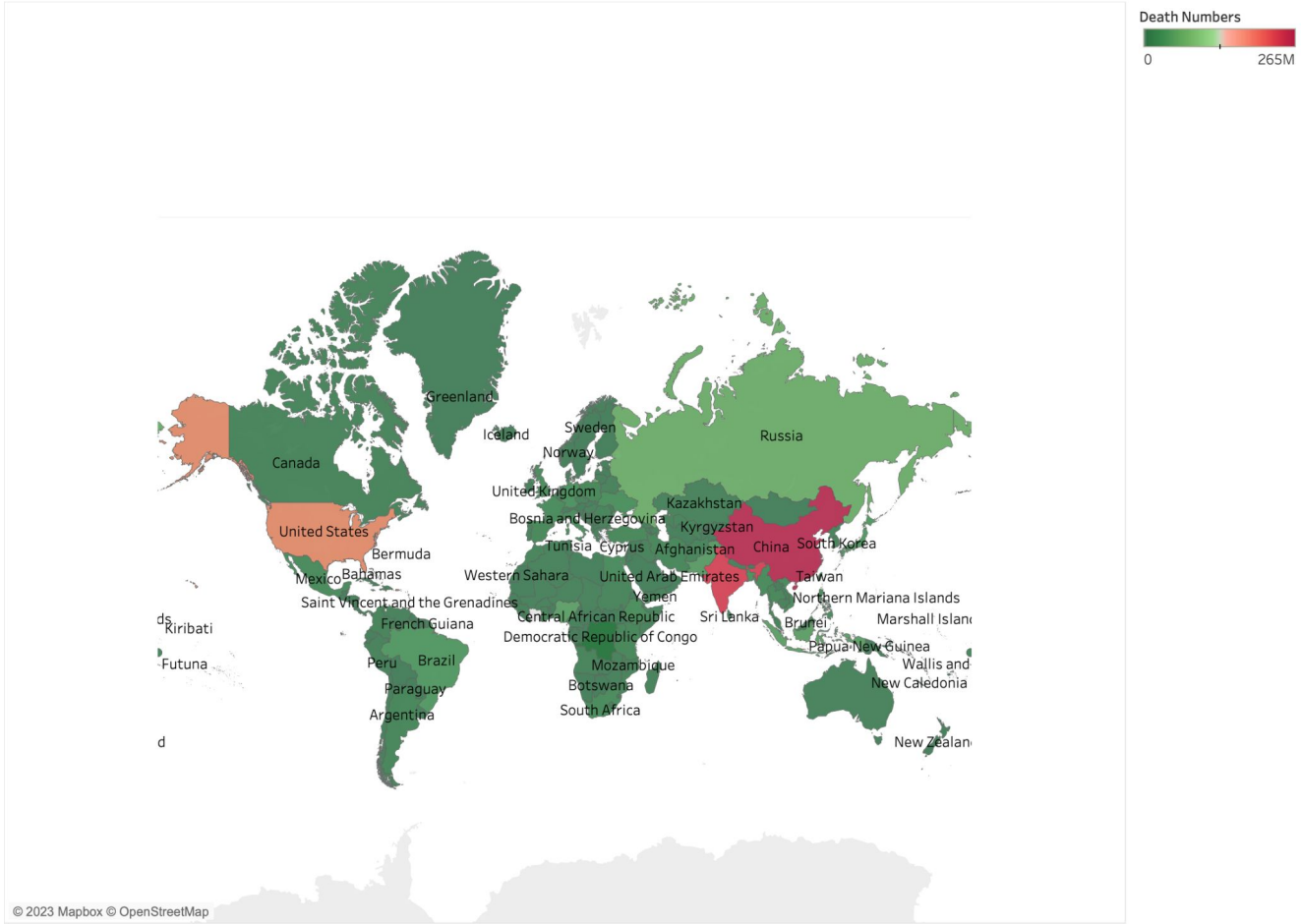
Country/Territory and sum of 2022 Population. Color shows sum of Death Numbers. Size shows sum of Death Numbers. The marks are labeled by Country/Territory and sum of 2022 Population. The data is filtered on Entity, which excludes Null.

bottom 10 causes of death



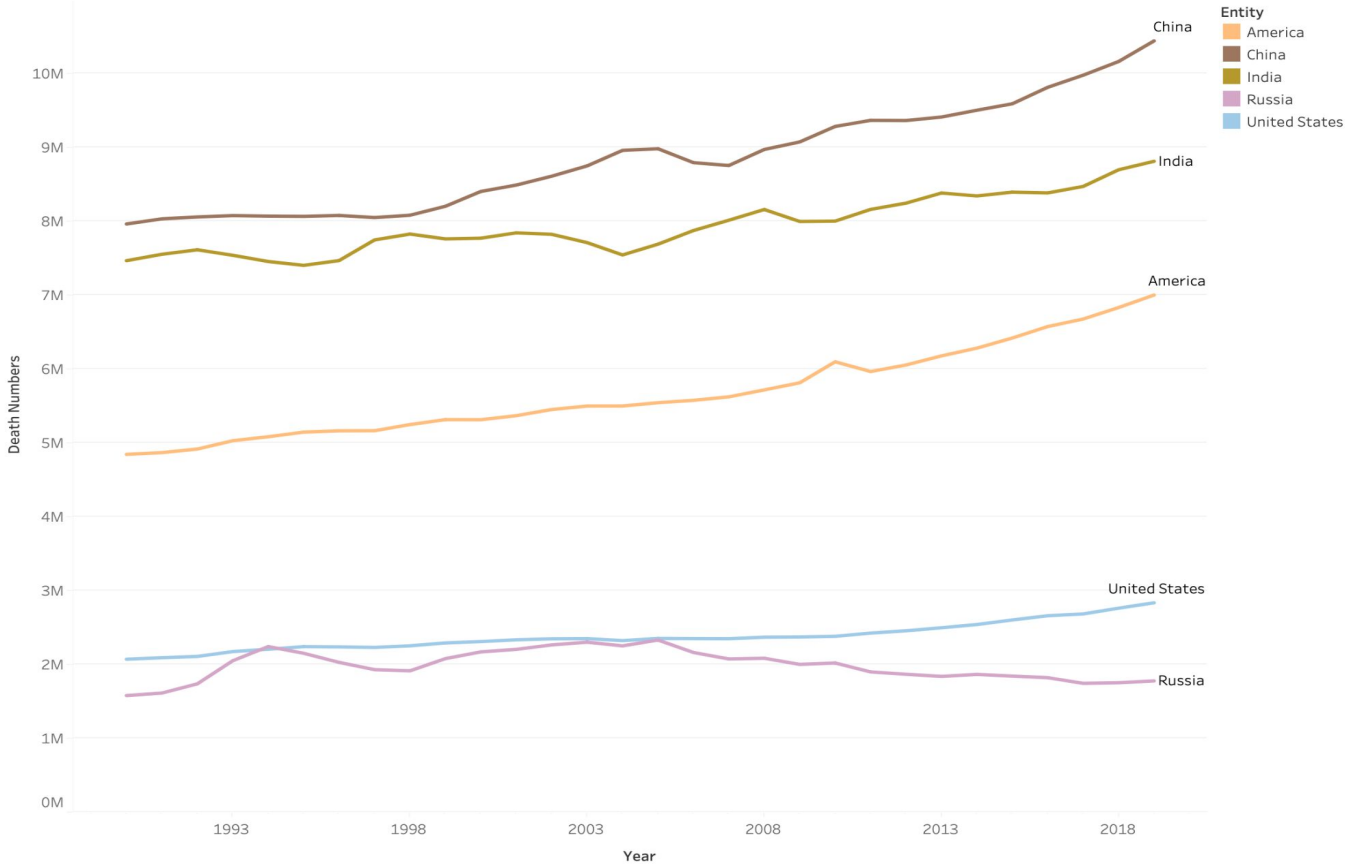
Sum of Death Numbers for each Causes name. The view is filtered on sum of Death Numbers and Causes name. The sum of Death Numbers filter ranges from 0 to 500,783,563. The Causes name filter keeps 10 of 33 members.

Number of death per country (map)



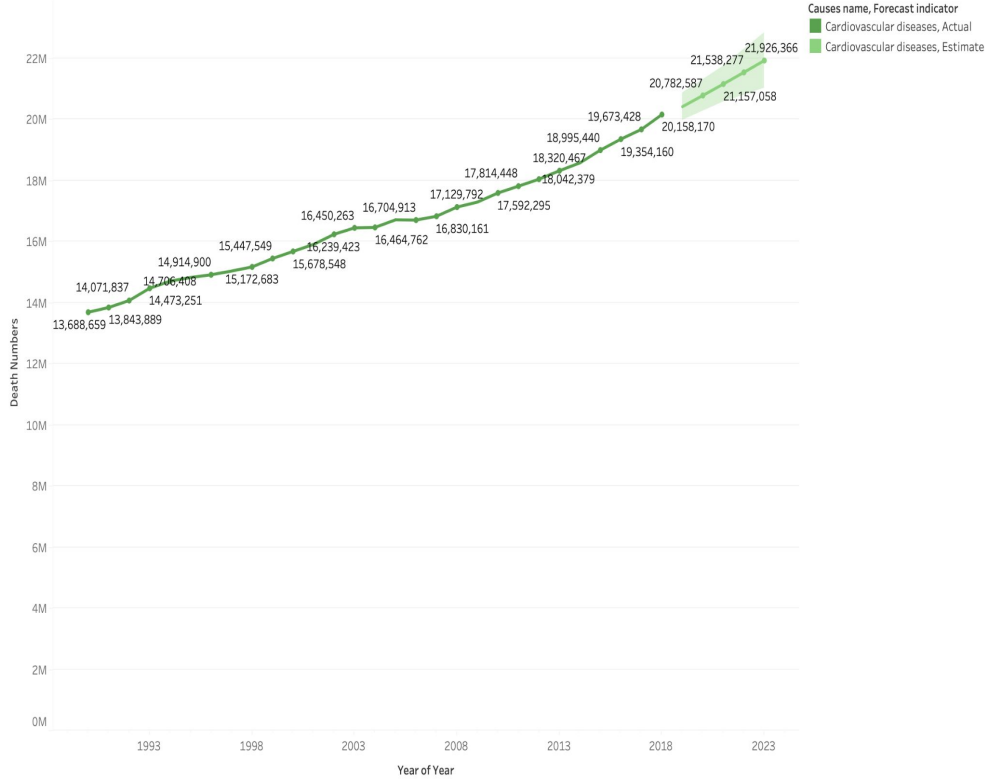
Map based on Longitude (generated) and Latitude (generated). Color shows sum of Death Numbers. The marks are labeled by Entity. Details are shown for Entity. The view is filtered on Entity, which keeps 214 of 214 members.

top 5 countries's death numbers rate



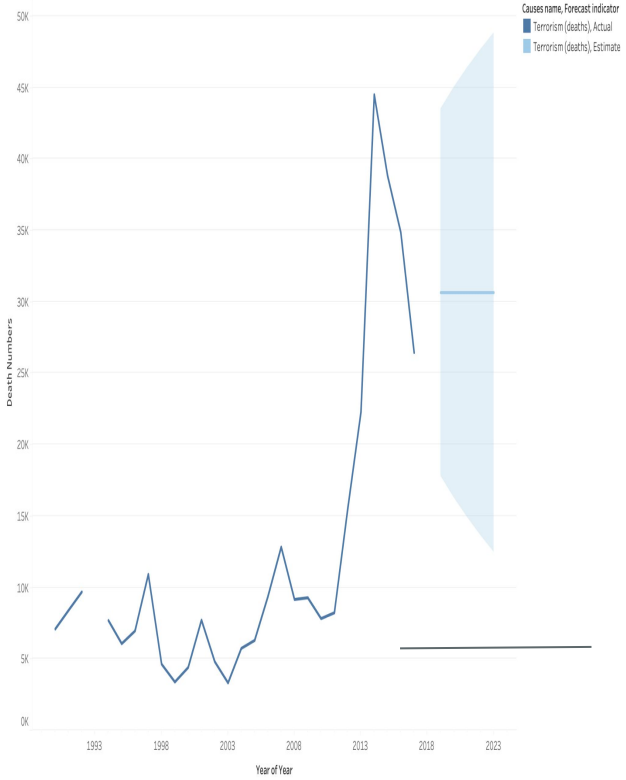
The trend of sum of Death Numbers for Year. Color shows details about Entity. The marks are labeled by Entity. The view is filtered on Entity, which keeps America, China, India, Russia and United States.

Forcasting Cardiovascular disease



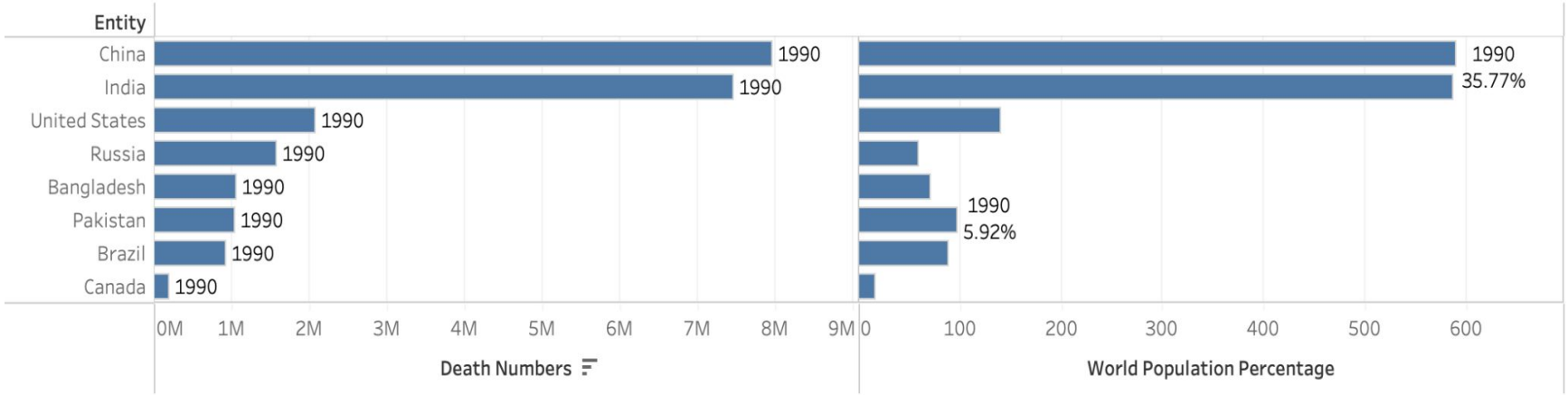
The trend of sum of Death Numbers (actual & forecast) for Year Year. Color shows details about Causes name and Forecast indicator. The marks are labeled by sum of Death Numbers (actual & forecast) . The view is filtered on Causes name, which keeps Cardiovascular diseases.

Forcasting Terrorism



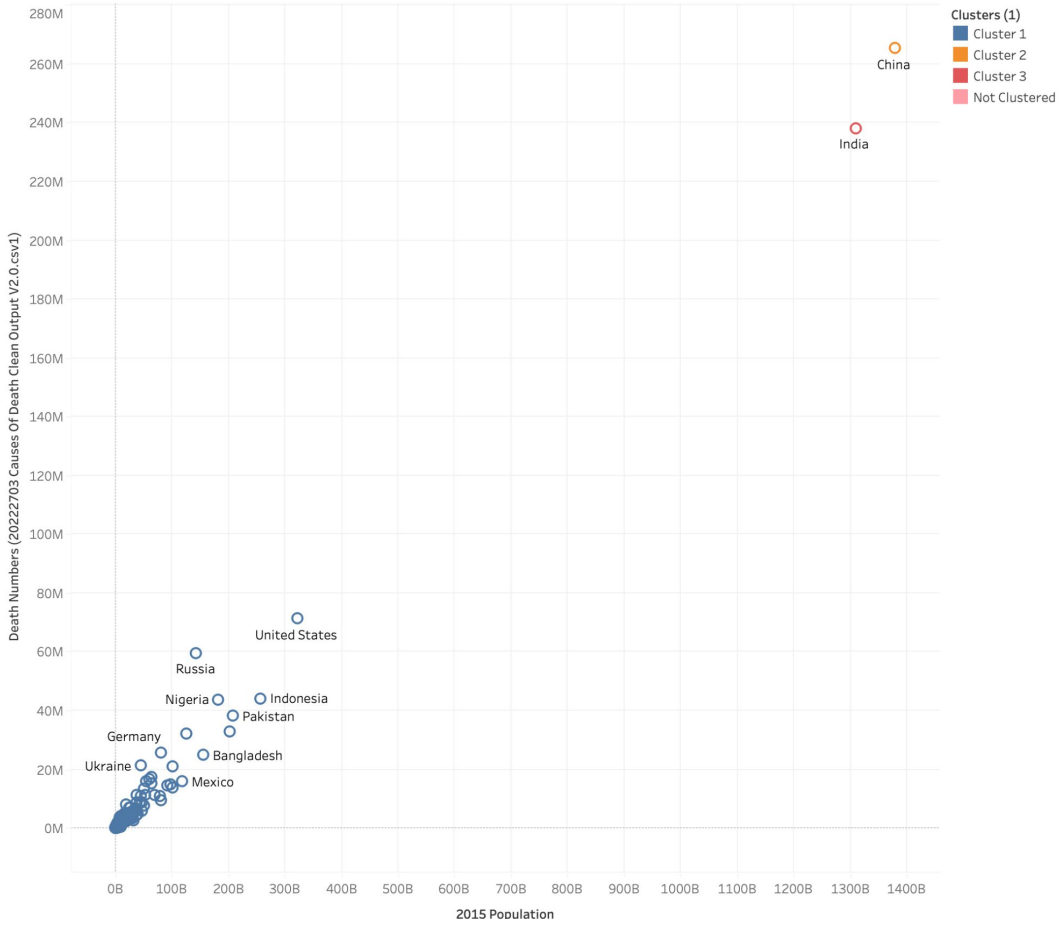
The trend of sum of Death Numbers (actual & forecast) for Year Year. Color shows details about Causes name and Forecast indicator. The view is filtered on Causes name, which keeps Terrorism (deaths).

death number vs world population

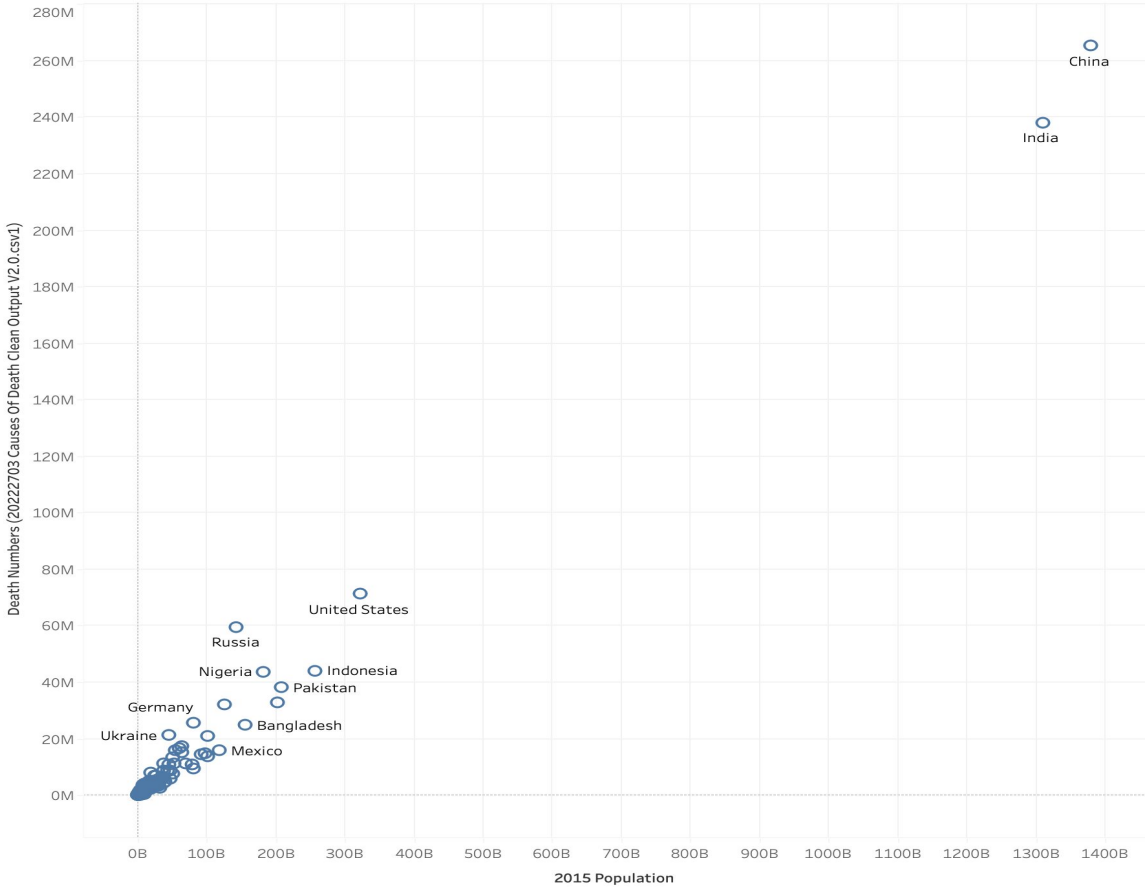


Sum of Death Numbers and sum of World Population Percentage for each Entity. The marks are labeled by Year Year. For pane Sum of World Population Percentage: The marks are labeled by Year Year and % of Total World Population Percentage. The data is filtered on Year, which ranges from 1990-01-01 12:00:00 a.m. to 1990-12-31 12:00:00 a.m.. The view is filtered on Entity, which keeps 8 members.

Clustering


Clusters (1)
Cluster 1
Cluster 2
Cluster 3
Not Clustered
China
India
United States
Russia
Nigeria
Indonesia
Pakistan
Germany
Bangladesh
Ukraine
Mexico
Death Numbers (20222703 Causes Of Death Clean Output V2.0.csv1)
280M
260M
240M
220M
200M
180M
160M
140M
120M
100M
80M
60M
40M
20M
0M
0B
100B
200B
300B
400B
500B
600B
700B
800B
900B
1000B
1100B
1200B
1300B
1400B
2015 Population

Anamoly



Sum of 2015 Population vs. sum of Death Numbers (20222703 Causes Of Death Clean Output V2.0.csv1). The marks are labeled by Entity.

Challenges

Finding interesting pattern, trend, outlier

Rationale for Visualizations

Map to to showcase global distribution

Bubbles to see the magnitude or intensity of death

Line charts to show progression trends

THANK YOU!