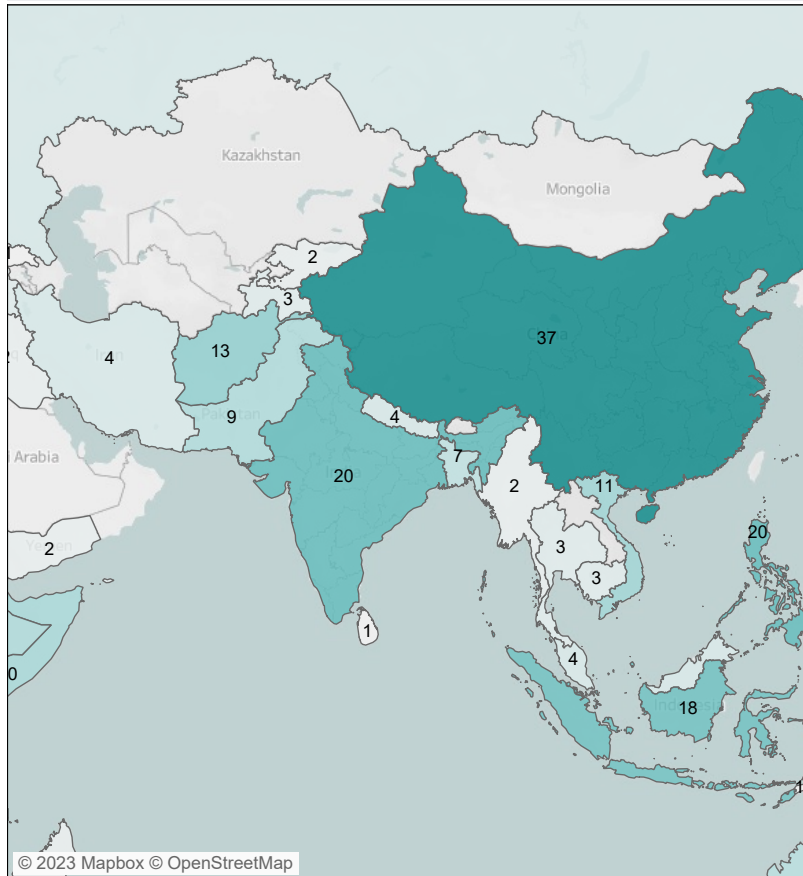


Introduction

The dataset contains information about over 15,000 mass disasters in the world from 1900 to 2021. The data has been collected from various sources including UN agencies, non-governmental organizations, insurance companies, research institutes and press agencies. The dataset contains 15827 rows and 35 columns which contains significant information about the disasters over the time period. We have picked up the dataset from Kaggle which is an open source of dataset platform. The link for dataset is given below.
Link - https://www.kaggle.com/datasets/jnegrini/emdat19002021?select=EMDAT_1900-2021_NatDis.xlsx



Total number of disasters occurred country wise



Count of Disaster Group



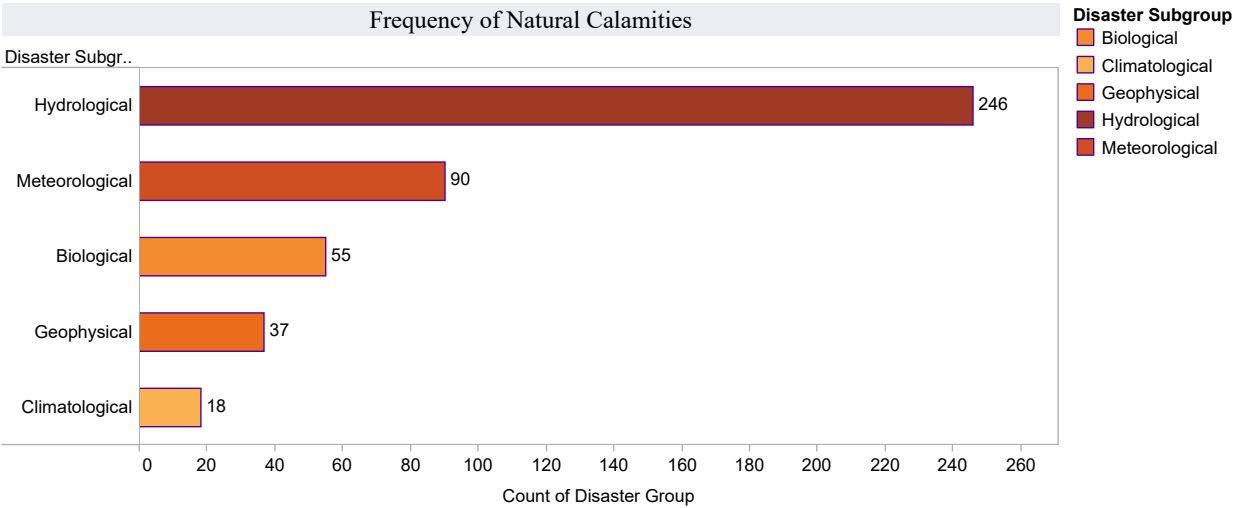
- Our first observation is how many disaster occurred in the world and the graph is showing number of calamities seen by each country.
- Here China has gone through highest number of catastrophe that is 970 times in past 121 years.
- This graph gives overall idea that how disaster affected around the glob.

Top 3 Countries

1. China

2.India

3.Philipines

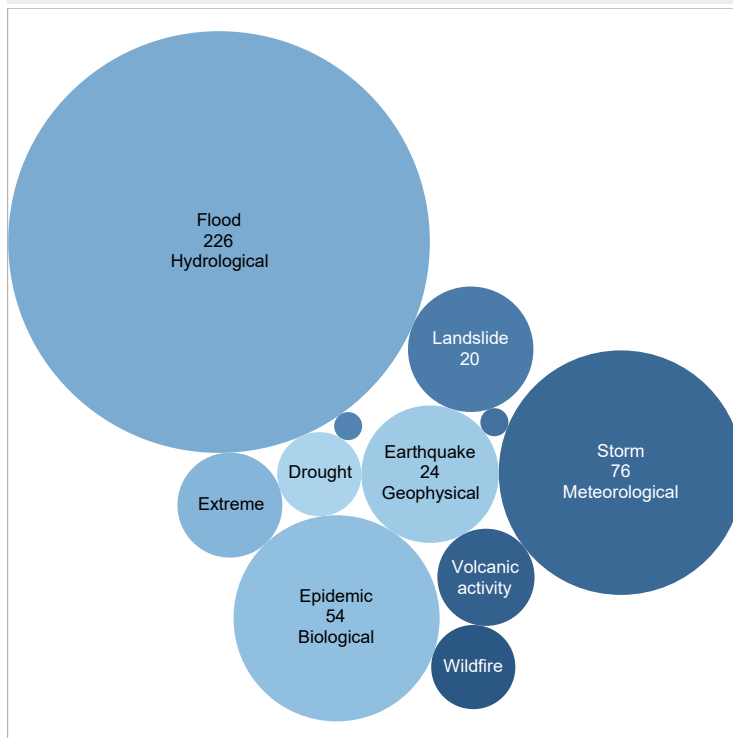


- Another important information is how often this disasters occurs .
- This information can be helpful to avoid future calamity destructions.

The graph displays high level groups of disasters :-

- Hydrological
- Meteorological
- Geophysical,
- Biological,
- Climatological
- Extra-terrestrial.

Type of Disasters affected the world



•It has been seen that Flood is the most happen calamity. Which is 5,399 times all over the world.

•There are other such disasters like storm, landslide, earthquake which has overworked our earth.

Disaster Type

Drought	Landslide
Earthquake	Mass moveme..
Epidemic	Storm
Extreme tempe..	Volcanic activity
Flood	Wildfire
Insect infestation	

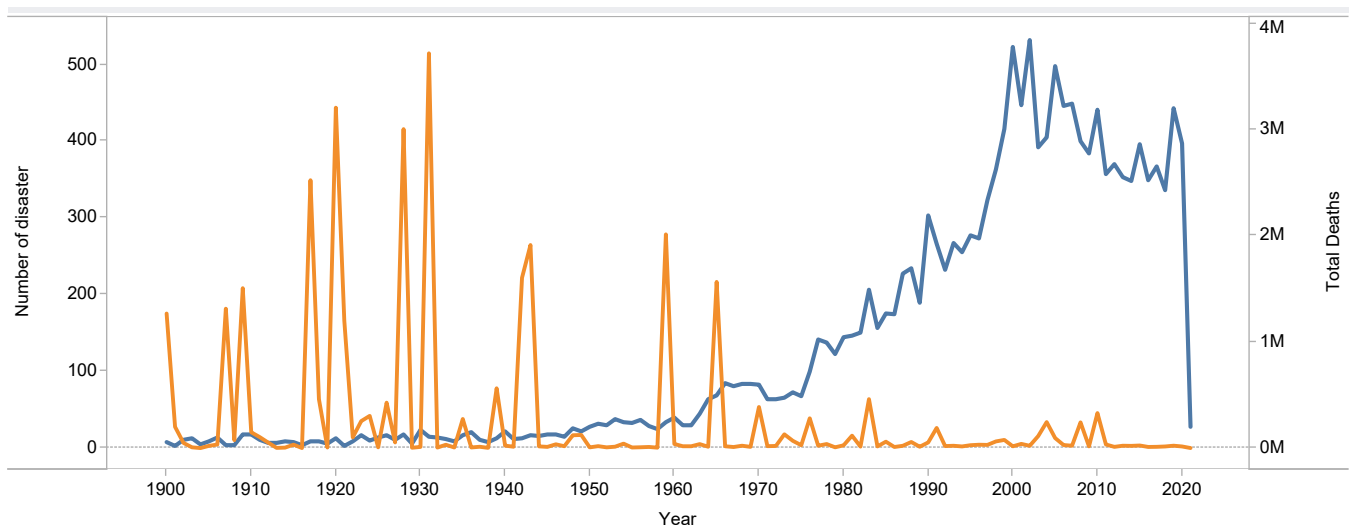
•This graph is granular version of previous story.

•We have seen group of catastrophic events this are the subgroup of all individual events.

•In last insight we have seen that there are highest disaster occurred in hydrological group and this graphs confirms that.

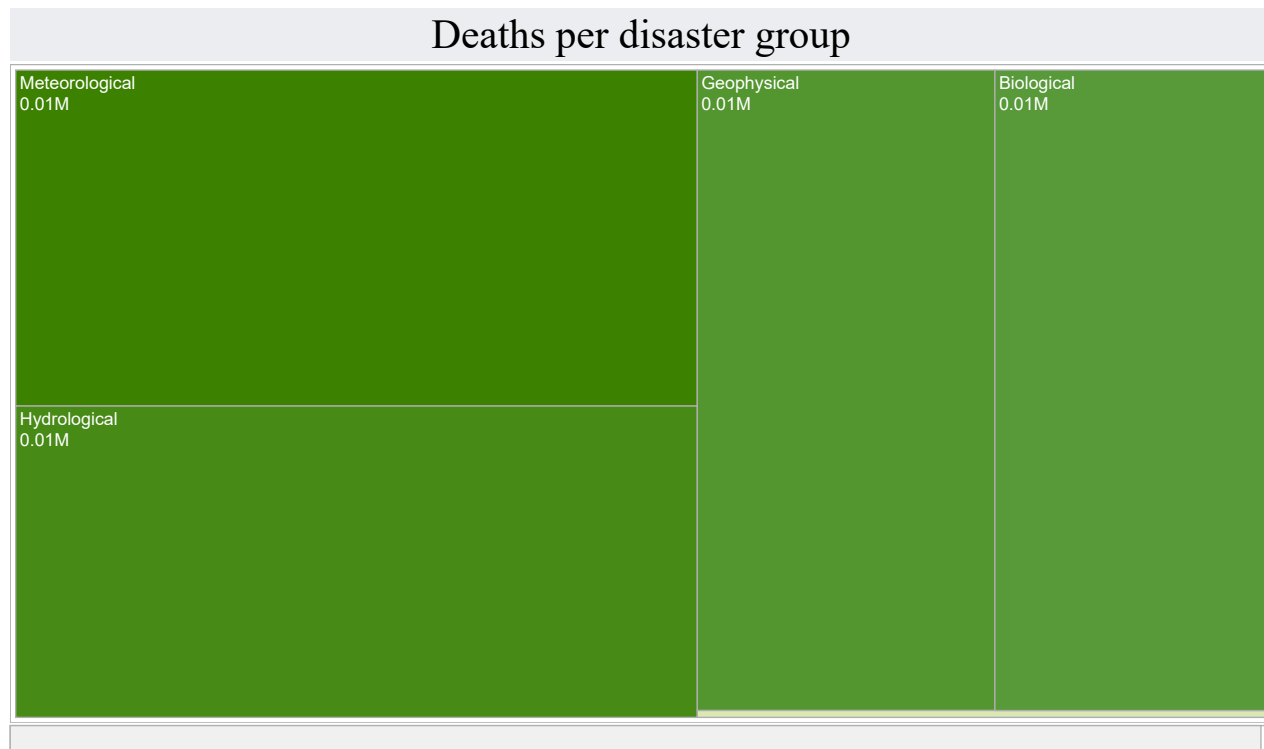
Number of Deaths v/s count of disasters per year

Measure Names
■ Count of Disaster Group
■ Total Deaths



- This visualization is displaying the damaged done by natural disasters year by year.
- There are huge number of causality in natural calamities, there are millions of people are affecting every year.
- As we can see in this graph the deaths count are going down as year passes. This downfall of deaths can be seen because of the advancement of technology.
- The graph is showing big difference after 1960 number of disasters are increasing while the deaths are decreasing.
- Latest data shows that 2020 has 27 calamites and just 509 deaths.(FYI:- Covid-19 data is not included.)

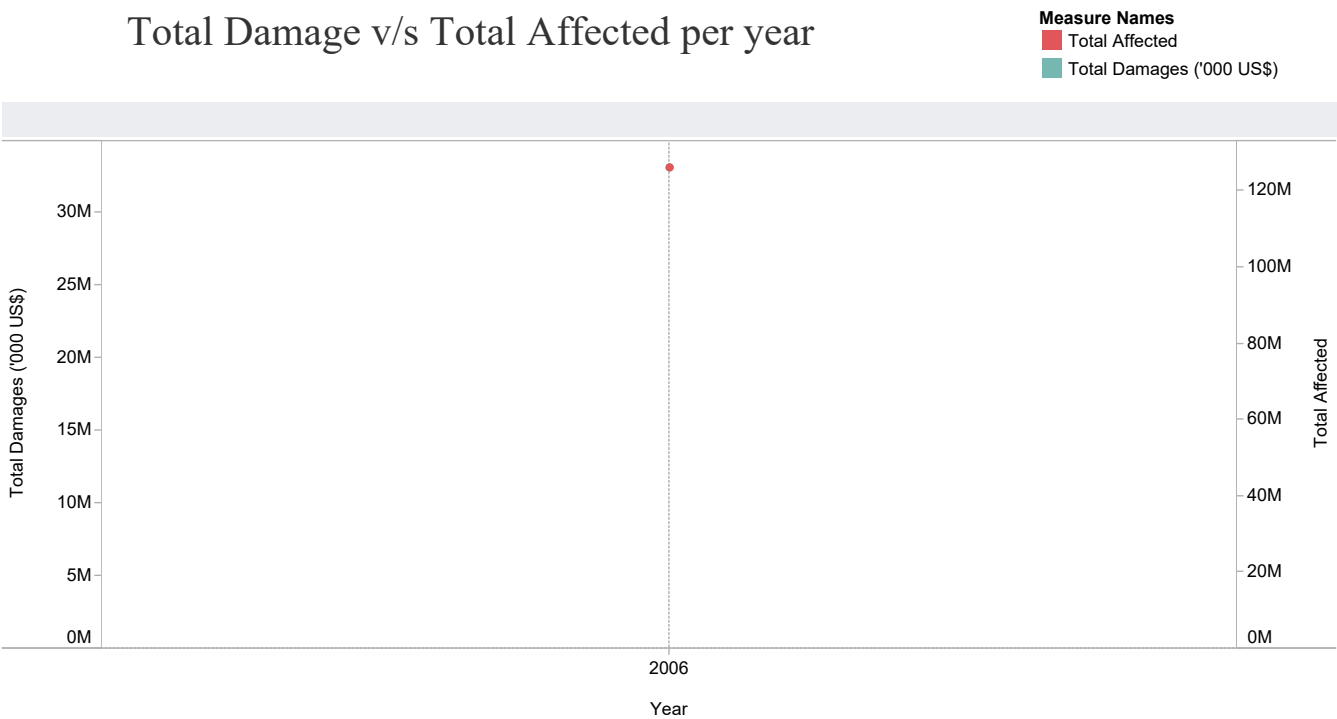
Year by Year Damage	Demise count per Disaster Group	Damage to the economy
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Total Deaths

0.00M 0.01M

- As we have seen the disaster groups, the insights from the graph is , Climatological disasters have taken highest number of lives which is 11.74 million people that is equal to one of the country Cuba's total population
- The 2nd highest calamity is the Biological which has taken 9.61 million lives.
- We have seen earlier that the highest number of disasters are hydrological type but from this graph, we can see that the loss of human lives are higher in Climatological and Biological calamities.



- *This graph depicts that in early 20th century there was not much damage done also not much people are affected , but the destruction started in late 20th century.*
- *Here we have observed that both graphs are going similar until year 2000, after that in 21st century there are less people affected compared to the previous years' disaster.*
- *The damages are increased because of natural calamities but the affected population are decreasing as we move forward in 21st century.*

