Terrorism Analysis: Insights Through Visualization

Visualization project by:
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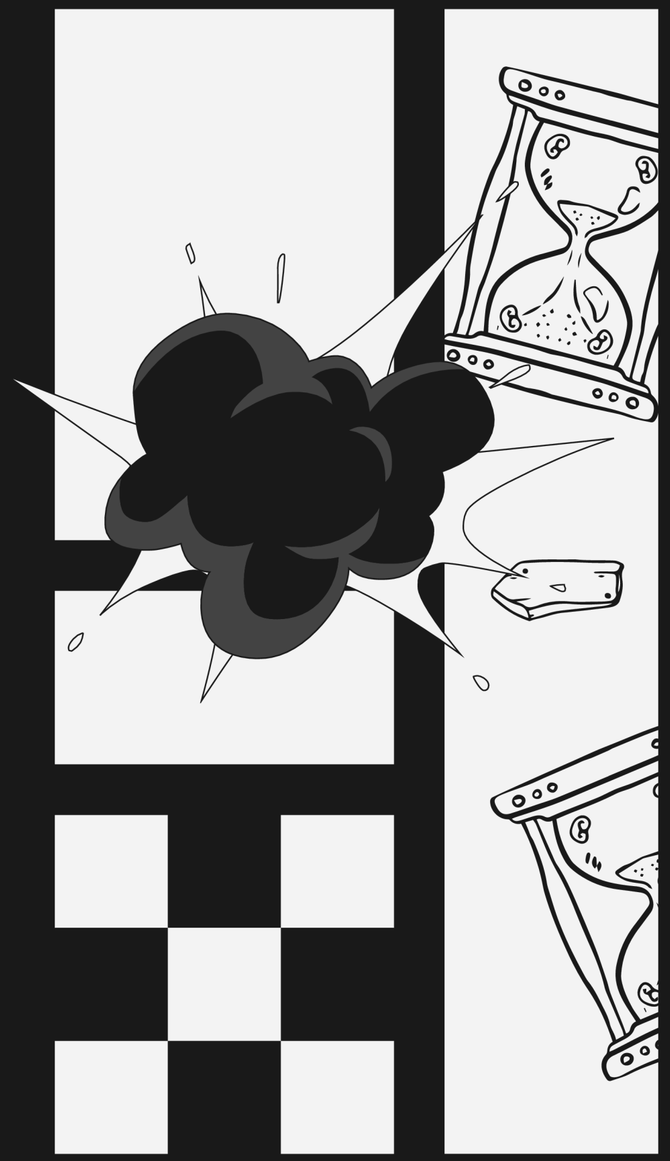


Data Overview

- **DATA SOURCE:** Source: Global Terrorism Database (GTD), provided by
  - START at the University of Maryland**.**

- **DATASET DESCRIPTION:**
  - Covers terrorism incidents in India from 1970 to present
  - Includes details on attack types, casualties, geographical locations, and more.

- **KEY VARIABLES:**
  - iyear: Year of the incident.
  - imonth: Month of the incident.
  - region_txt: Region of the incident.
  - attacktype1_txt: Type of attack (e.g., Armed Assault, Bombing).
  - nkill: Number of people killed.
  - latitude, longitude: Geographical coordinates.

OBJECTIVES

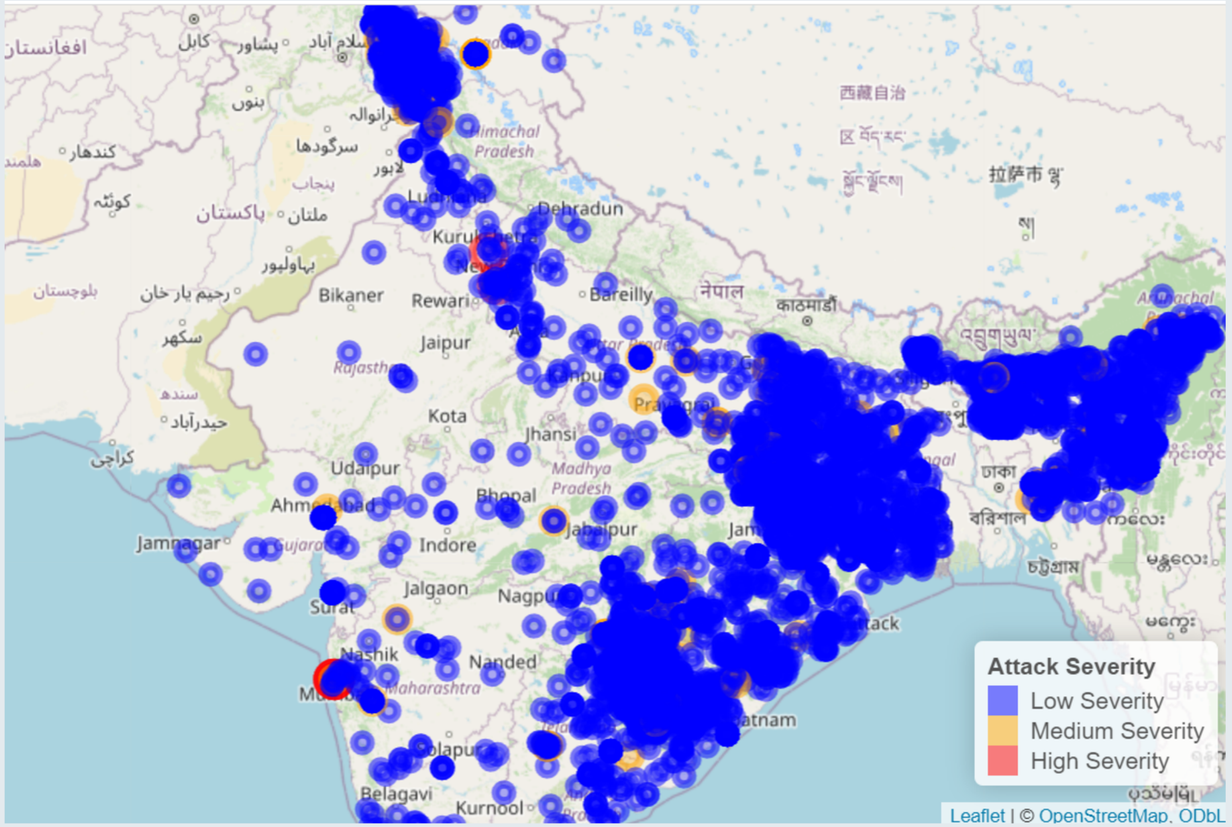
WORDARTS

- Explore patterns of terrorism in India through visualizations.
- Highlight geographical hotspots for different attack types.
- Analyzing trends in casualties and attack frequencies.
- Visualizing the number of attacks over the years.

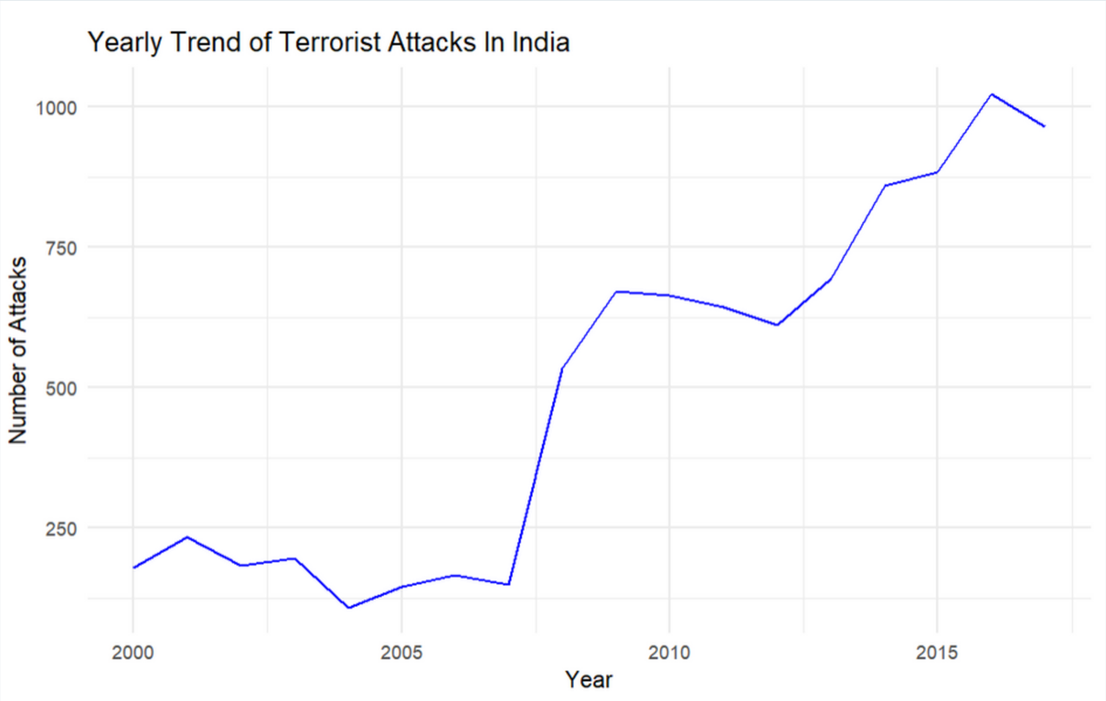
Visualizing map

- In the map we can see the severity of the attacks in the various regions in India.

- The red colored point indicates the more severe attack which we can see in the Mumbai and nothern part of India.
- The 90% of the attacks are low severity which are mostly towards the costal region on the western side of India.



Yearly trends on attacks

- By the interactive ggplot where the number of attacks will be displayed on the hovering over the graph

- we can see that the every other year we can see the rise in the number of attacks