Capstone Project Submission

Team Member's Name, Email and Contribution:
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Please paste the GitHub Repo link.
GitHub Link: - https://github.com/Shreyash-Jagdale/Shreyash_Jagdale
Please write a short summary of your Capstone project and its components. Describe the problem statement, your approaches and your conclusions. (200-400 words)
The Global Terrorism Database (GTD) contain detailed information about terrorist attacks around the world from 1970 through 2017. The GTD includes systematic data on domestic as well as international terrorist incidents that have occurred during this time period and now includes more than 180,000 records and 135 columns including date, country, target details, attack type, and also if there was a motive behind the attack, the outcome of the attack, and the weapon details. The database is maintained by researchers at the National Consortium for the Study of Terrorism and Responses to Terrorism (START), headquartered at the University of Maryland.   As the first step, preprocess and clean the raw data. Further, we divided the complete project into four main parts i.e., global events, casualties and total property damage, region wise and country wise attacks and the lastly type of attacks, target types, preferred weapons and most active organisation.   In the first section, we mainly focused on trend of attacks around the world over the years. And, it can be drawn that before 2000 the frequency of the attacks was increasing very slowly. After that it decreased to some extend but since 2005 it has increased very sharply. It peaked in the year 2014.   In the second section, we tried to analyze casualties and total property damage due to these attacks. And it can be concluded that Number of killed and wounded citizens increased slowly over the years. All these counts increased sharply after 2010 because of increased number of attacks during that period. Extent of damage for most of the properties was minor that is damage value up to $1 million.

In the third section, we analyzed region wise and country wise attacks and found that Middle East and North Africa is most vulnerable region to the terrorist attacks followed by South Asia and South America. While Iraq is the country with the highest number of terrorist attacks followed by Pakistan and Afghanistan.

Lastly, we analyzed type of attacks, target types, preferred weapons and most active organisation and found that almost half of the attacks are of the type Bombing and Explosion followed by Armed Assault. Explosives or bombings are the most preferred weapon by attackers followed by Firearms that is guns. Private citizens and property are the most common target for the attackers and Taliban is the most active organisation or the terror group followed by ISIL.

Google drive link:

https://drive.google.com/drive/folders/15dbLSJI_iN8sn44et1oaXR39ko39WT8A?usp=share_link