

Capstone Project Submission

Instructions:

- i) Please fill in all the required information.
- ii) Avoid grammatical errors.

| Team Member's Name, Email and Contribution: | | |
|---------------------------------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Name | Email | Contribution |
| Sanket Chouriya | Sanket.db72332@gmail.com | Research, Data preparation and cleaning, Exploratory Data Analysis, Visualization, Technical Documentation, Presentation. |
| Suraj Koli | Surajkoli6@gmail.com | Research, Exploratory Data Analysis, Mapping and plotting resource exploration. |
| Zakiya | Zakansari9990@gmail.com | Presentation, Research, Exploratory Data Analysis, Documentation, Visualization, Research. |

Please paste the GitHub Repo link.

Github Link: https://github.com/Sanket7994/Globle_Terrorism_Capstone_Project

Please write a short summary of your Capstone project and its components. Describe the problem statement, your approaches and your conclusions. (200-400 words)

We hereby present the summary of the project with the title "GLOBAL TERRORISM ANALYSIS".

The Global Terrorism Database is an open-source database comprising of all the terrorist activities around the world from the year 1970 to 2017. It includes more than 180,000 attacks. This database contains more than 180000 rows and 135 columns.

Here we have used libraries like Pandas, NumPy and Dataprep to analyze the data. Before jumping to the exploration stage, we perform some basic data pre-processing methods like null value imputation and removal of unwanted data. Now our analytics come into picture. We provided a beautiful pictorial representation of our observations which include bar plots, pie charts, line charts, histograms and heatmaps and maps with the help of libraries like Plotly, Seaborn, Matplotlib.

From the analysis, we came to know that attacks slowly started increasing from 1972 until 1993. Then the rise took a great leap from 2011 to 2014 and then slowly decreased. Iraq – the country has faced staggering 24636 number of such attacks between 1970 to 2017 which accounted for 13.61% of terrorism attacks in the world. s

Out of 3,99,380 deaths till now from terrorism included in the Global Terrorism Database 1,35,745 which is roughly 33.27% occurred in the Middle East and North Africa. Australasia & Oceania has the lowest confirmed death count of 0.03% from terrorism by region.

It is clear that 'Middle East & North Africa' is most dangerous place to be at. Total 49,576 attacks have been faced by them since 1970. Where 'South Asia' is just behind with 44,479 attacks till now.

On the scale of number of terror attacks done by a group since 1970, 'Islamic State of Iraq & the Levant (ISIL)' tops the chart with more than 1400 attacks. while 'Taliban' hold the second place.

By Using Correlation Metrix, we observed that most of the attacks are done by the citizen of their own country. Such a relation provides an interesting insight into how to perceive international terrorism as the proportion of international terrorism is significantly less in comparison with domestic terrorism.

Most used known Attack tactic by terror group is 'Insurgency/Guerilla Action'. Where the majority of tactic is random or just unknown.

In our Analysis, we focus on our motherland INDIA. We observed the terrorism trend throughout the year and it doesn't look good. The activity increased exponentially since 2007 before it was unstable. Since 1972, Srinagar which is in Jammu and Kashmir has been the center of the dispute and terror attacks in India and Number of Private Citizens & Property related incidents were the most.

In World scale Since 2004, There is sudden increase in Kidnapping/Hostage related incidents across the world. The situation seems controlled till year 2012, but again it can be seen that the number of incidents increasing exponentially. The most targeted hostage/kidnapping victims are Private Citizen and property members for ransom. Around 22.80 of the total result the Hostages has been release by Attacker after getting ransom, and around 18.46% they kill them. There's only 3.93% chance that police/task force will be able to perform a successful rescue mission.

Seems like Terrorist do like 'Explosives' very much like this is the most used Weapon category across the world terror groups.

As per the records, there have been staggering 1,33,087 incidents where the property damage was unrecorded. However As per the frequency, Terror attacks are more likely to hard a Minor Category of property damaged which is around or less than 1 million Dollars, which obviously doesn't sound Minor. Till now, only 6 Incidents have been confirmed where the property damaged is likely to be more than 1 billion Dollars.

And after all these, we decided to finish off this analysis project.