Capstone Project Submission

Team Member's Name, Email and Contribution:

NAMES	E-MAIL	CONTRIBUTION
Junaid A R	arjunaid98@gmail.com	All project worked

Please paste the GitHub Repo link.

GitHub link:-
https://github.com/arjunaid98/gtd-eda

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 summary of the project with the title **"GLOBAL TERRORISM ANALYSIS"**.

The Global Terrorism Database is an open-source database covering all terrorist activities worldwide from 1970 to 2017. It contains more than 180,000 attacks. This database contains more than 180,000 rows and 135 columns.

Here we used libraries like Pandas and NumPy for data analysis and Matplotlib, Seaborn and Folium for data visualization.

First, the data is loaded using the pandas library, then we use the shape() and describe() methods for a basic understanding of the database. Before moving to the exploration phase, we will perform some basic data preprocessing methods such as null imputation and removal of unwanted data. To create a managed dataset, we rename all the columns after processing with a null value and drop the unwanted columns.

Now comes our analyst's turn. A deep study of the data set has helped us in carrying out various operations to derive a number of important observations that summarize many crucial facts about terrorism and its wide-ranging effects.

Analyzing the "most typical" variables such as the most attacked country, the most attacked region, the most active terrorist group, the set of most used weapons, the year with the most attacks and the country with the most people killed, etc. We have provided a beautiful visual representation of our observations, which includes bar graphs, pie charts, line graphs, histograms and heatmaps and maps.

From the analysis, we learned that the attacks started to increase slowly from 1972 to 1993. Then the increase saw a big jump from 2011 to 2014 and then slowly decreased. The most attacks were carried out in May 2014.

The country with the highest number of attacks is Iraq. In the 1970s, we can see that most terrorist attacks occurred in Western Europe, followed by Latin and South America in the 1980s.

Most terrorist gangs targeted private citizens and property, followed by the military, police and government.

In most of the attacks, the weapons used by the terrorists were bombing/followed by explosion and armed attack.

The maximum number of terrorist attacks is unknown. These unknown attacks have caused huge losses and that is the only reason why the attacks have continued to follow their trail and cause heavy loss of life and property because they have not been recognized. According to records, the terrorist group responsible for most of the attacks is ISIL, then the Taliban.

Our country India was also badly affected by this carnage. A total of 10,491 people were killed. While Pakistan ranks second in the number of human casualties worldwide. 12,756 people were killed in these attacks in Pakistan. While 10,871 people were killed in Afghanistan.

Overall, the Middle East region was widely affected and was looted. While Great Britain was the safest country.

To get rid of such a big problem, it is very important to understand the key factors leading to this problem. Because it was a certain stalemate that pushes developing countries down and puts them at a disadvantage to stand in the ranks of other developed countries.

Thanks,
Junaid A R