

EDA CAPSTONE PROJECT

ON

GLOBAL TERRORISM ANALYSIS

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PROJECT ORIENTATION :

- Dataset brief summary
- Problem Statement
- Importing libraries
- Load the **CSV** file
- Analyze dataset
- Renaming the useful columns with Significant Names
- Reviewing the modified dataset

Perform EDA for extracting Important information and Visualize the insights into meaningful graphs for better Understandings.

- ★ Plot Histogram
- ★ Describe Data
- ★ Find the correlation b/w columns
- ★ Terrorist activities by region in each year
- ★ Trend of Terrorist activities before 2014-15 and after that
- ★ No of attacks in 70s and 2017
- ★ No of people killed V/S Injured
- ★ Method of Attack
- ★ Target Type
- ★ Total no of attacks in Country OR Region
- ★ No of Attacks on each Country
- ★ Countries with Highest Attacks
- ★ Most Active Terrorist Organization
- ★ Trend of Terror before and after War

CONCLUSION

PROJECT SUMMARY

GLOBAL TERRORISM ANALYSIS

The Global Terrorism Database is an open source database including information on terrorist events around the world from 1970 to 2017 (with Annual updates planned for future). Unlike many other events databases 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 1,84,000 cases as of now.

This dataset is sourced by US Department of State.

- ❖ In the first step import the useful libraries.
- ❖ Know the dataset by getting info
- ❖ Perform EDA based on 4 objectives
 - Analysis based on Area OR Region
 - Analysis based on Active Terror group
 - Analysis based on Attack type and place
 - Analysis based on trend of terror before and after War

1. **In Analysis based on Area OR Region**, I performed Analysis on each area across the world w.r.t. Country/Continent and Region e.g. Most no of Attacks, No. of people Injured or get Killed, Year with most no of attacks, Most targeted Regions. After doing All the Analysis I Have Concluded that Iraq is the most Attacked Country and the Middle Eastern Region is the most Attacked Region.

2. **In Analysis based on Active Terror groups**, I performed Analysis on Activities of each Active Terror group, Most Attacks by which Terror group, which terror group Active most in a particular Region, the Conclusion of Analysis is Taliban is the most Active group Followed by ISIL.
3. **In Analysis based on Attack type & Place**, I performed Analysis based on Area type or particular Place being Targeted, Which specific Areas Targeted the most, throughout the Analysis I have found that public properties targeted the most as they are more vulnerable as compared to Government and military areas.
4. **In Analysis based on the trend of terror before and after the war**, after doing Analysis based on Year wise most terrorist activities took place in which year, the insights I get is that the terrorist activities rises Exponentially After 2010 and rising since 2000 and at peak in between 2014-2017.