Project Summary

Global Terrorism Analysis

The global terrorism analysis project in Python aims to analyze the Global Terrorism Database (GTD) using Python programming language to provide insights into patterns and trends in terrorist activities around the world. The GTD is a comprehensive database of terrorist incidents from 1970 to 2017, covering both domestic and international attacks.

The project will begin with data cleaning and preparation, including removing duplicates and missing values, and converting data types as required using Pandas and NumPy libraries. Exploratory data analysis will then be conducted using Matplotlib and Seaborn libraries to identify trends and patterns in the data. This will involve using visualizations and descriptive statistics to summarize key features of the dataset.

The database includes 1,81,691 terrorist attacks between Jan 1970 - Dec 2017 and each recorded attack describes the date, day, month, year, country, region, city, coordinates, success, attacktype, target type, name and weapon type. We are adding a new keyword which gives the total number of terrorist attacks each country had per year. The project will also explore how different types of terrorism, such as political or religious, vary by geographic location and over time using Python Libraries.

The results of the analysis will provide insights into the patterns and trends of terrorism around the world using Python programming. The project will also provide a better understanding of the causes and motivations behind terrorist activities, as well as the most effective ways to prevent and respond to such attacks is taking necessary steps as per the analysis.

Overall, the global terrorism analysis project in Python aims to provide a comprehensive understanding of terrorist activities and their impact on global security using the power of Python programming. By leveraging data analysis, the project will help policymakers and security professionals make data-driven decisions that improve global security and prevent future attacks.

Team

Individual
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Contributors Role

Vimal Hoon

- Project Preparation
- Data Wrangling
- Attack Type Analysis
- Target Type Analysis
- Weapon Type Analysis
- Coordinate Analysis
- Project Preparation
- Data Wrangling
- Date/Month Analysis
- Year Analysis
- City Analysis
- Country Analysis

Github Report Link: https://github.com/vimal-139/Global-Terrerosim---EDA