**Capstone Project Submission**

**Instructions:**

i) Please fill in all the required information.

ii) Avoid grammatical errors.

|  |
| --- |
| **Team Member’s Name, Email and Contribution:** |
| Name: Konda Vidyasagar  Email: [kondasagar236@gmail.com](mailto:kondasagar236@gmail.com)  **Contribution:**   * **Data Loading** * **Data Cleaning and Manipulation** * **Data Wrangling**  1. **Taliban Group Data** 2. **Year 2014 Data**  * **Univariate Analysis**  1. **Weapon Type** 2. **Attack Type** 3. **Property Type** 4. **Region** 5. **Country** 6. **City** 7. **Terrorist Group** 8. **Killed and Wounded**  * **Bivariate Analysis**  1. **Fatalities due to Weapon Type** 2. **Fatalities due to Attack Type** 3. **Fatalities in different regions, countries and cities** 4. **Fatalities due to different groups** 5. **Taliban, ISIL and Boko Haram activity over the years** 6. **Fatalities over the years due to terror attacks from 1970 to 2017** |
| **Please paste the GitHub Repo link.** |
| GitHub Link: <https://github.com/Kondasagar/Global-Terrorism-Analysis> |
| **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) is an open-source database including information on terrorist attacks around the world from 1970 to 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 attacks. 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.**  **Problem Statement:**  **Look at the given dataset and study the relationship between different features or**  **trends in different features. Find the regions and countries where the number of terrorist attacks is higher. Find the top terrorist groups and their activities over the years. After analyzing the important features in the data set, give a summary of the findings and give countermeasures to reduce global terrorism.**  **As a first step, data wrangling was done. The features that are meaningful to our study were extracted and other features dropped. The null values were replaced with appropriate values. After data cleaning and manipulation, univariate analysis was done on every feature to find good insights into the data. For univariate analysis, histograms, boxplots, and bar plots were used. And then went for bivariate analysis to find the relationship and trend among the features. Mainly focused on killed and wounded features and their relationships with other features. From the plots, came to some conclusions.**  **The highest number of attacks carried out in the year of 2014. The most active terrorist group in the world is the Taliban. The highest number of attacks were**  **carried out by the Taliban group (more than 7000). The most likely type of attack is bombing/explosion (48%), followed by armed assault (23.35%). Iraq is the country which is most frequently attacked by terrorist groups, followed by Pakistan, Afghanistan. Most of the time, the attacked target type is 'Private Citizens & Property', which accounts for around 24% of the total number of attacks. The most attacked region is "Middle East & North Africa", followed by "South Asia". The most attacked city is "Baghdad", which is the capital of Iraq. The most likely weapon type used is "explosives" (around 50%) and then "firearms" (around 32%).** |