**1. Project Idea:**

* Prediction of Terrorism Incidents in West Africa.

Terrorism is a constant concern in the West African region, with events occurring in a variety of nations; the research strives to analyze and predict the occurrence of these incidents.

The specific goal of the project is to create a machine learning model based on historical data that properly forecasts the likelihood of terrorism attacks in West Africa, with the goal of improving early intervention and resource allocation for improved regional security.

**2. Relevance to Sustainable Development Goals (SDGs):**

* The primary linkage is with SDG 16, which focuses on encouraging peaceful and inclusive societies, access to justice, and the development of effective, responsible, and inclusive institutions. The project contributes to the goal of decreasing violence and strengthening the rule of law by forecasting terrorist attacks.
* Terrorism occurrences frequently result in casualties and injuries, affecting people's health and well-being. The project indirectly supports SDG 3 by contributing to the broader aim of ensuring healthy lives and fostering well-being for all by anticipating and preventing such situations.

**3. Literature Examples:**

* Uddin, M. I., Zada, N., Aziz, F., Saeed, Y., Zeb, A., Ali Shah, S. A., ... & Mahmoud, M. (2020). Prediction of future terrorist activities using deep neural networks. Complexity, 2020.
* Bang, J., Basuchoudhary, A., David, J., & Mitra, A. (2018). Predicting terrorism: a machine learning approach. Predicting terrorism: a machine learning approach.

**4. Describe Your Data:**

* I plan to use Global Terrorism Database Dataset from Kaggle. The data is in CSV format with a size of 30MB. Data preprocessing will be required such as feature engineering, examples selection as the predictions will be for a specific space West Africa.

**5. Approach (Machine Learning or Deep Learning):**

* Deep Learning Approach will be used to solve the problem. The dataset is enormous, extremely complicated, and filled with fascinating patterns.