*Terror Attack Prediction*

**Problem statement**: To understand the patterns and trends of terrorist/violent activities in certain locations over time, the methods they employ, their potential reasons, and the groups involved, in order to help law enforcement and other stakeholders prevent or mitigate future incidents.

**ID**: Unique identifier for the attack.

**Date**: Date of the attack.

**Day\_of\_Week**: Categorical (Monday, Tuesday, etc.).

**Time**: Time of the attack.

**Location**: Categorical location of the attack in Mumbai.

**Attack**\_**Type**: Categorical type of attack.

**Perpetrator**: Name of the suspected terrorist organization.

**Known**\_**Associates**: Number of known associates of the perpetrator group.

**Victims**\_**Injured**: Number of injured.

**Victims**\_**Deceased**: Number of deceased.

**Target**\_**Type**: Categorical target of the attack.

**Weapon**\_**Used**: Type of weapon used.

**Claimed**\_**By**: Organization/group that claimed responsibility.

**Intelligence**\_**Tip**: Whether there was prior intelligence about the attack.

**Motive**: Suspected motive for the attack.

**Operational**\_**Success**: Whether the terror attack achieved its operational goal.

**Operatives**\_**Captured**: Number of operatives captured post the attack.

**Financial**\_**Support**: Suspected origin of financial support (e.g., Local, International, Unknown).

**Training**\_**Location**: Suspected training location of the terrorists (e.g., Domestic, Abroad).

**Communication**\_**Method**: How the terrorists likely communicated (e.g., Cellphones, Internet, Couriers).

**Major**\_**Incident**: Binary classification column.

**Acceptance Criterion:**

Work on different machine learning models, do a comparative analysis and need to deploy the application on streamlit, flask etc.

**Milestones:**

**30 days to complete the Project**

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| **Milestone** | **Duration** | **Task start - End Date** |
| Kick off and Business Objective discussion | 1 day |  |
| EDA | 1 Week |  |
| Model Building | 1 Week |  |
| Model Evaluation | 1 Week |  |
| Feedback | 1 week |  |
| Deployment |
| Final presentation | 1 Day |  |

Protocols:

1. All participants should adhere to agreed timelines and timelines will not be extended.
2. All the documentation – Final presentation and python code to be submitted before the final presentation day.
3. All the participants must attend review meetings.