

### **Assessment 1 – Global Terror Attack**

**Assessment type:** Group Activity

**Max. Marks:** 10

**Marks break down:**

Logic	3
Data Presentation	3
Team Work	2
Data understanding	2
Total	10

**Last date to submit the assessment:** 30<sup>th</sup> Aug 2018.

**Presentation date:** 5<sup>th</sup> September 2018 – 2 PM onwards

**Data Source:** Data.world

**Courtesy:** data-society

#### **Data**

The data set contain 4 csv file as below:

File Name	Data duration	No. of Column	No. of Rows
gtd_70to91_49566	Data from 1970 to 1991	137	49566
gtd_92to11_no 93_55072	Data from 1992 to 2011 (without 1993)	137	55072
gtd1993_748	Data only for 1993	123	748
gtd_12to15_52134	Data from 2012 to 2015	137	52134

The data folder also contain a 62 page PDF file names as “Codebook”. It contain the detail information about all the abbreviations, IDs, codes used in csv files. For example:

- Crit1 stand for Inclusion Criteria – Criterion1, which stand for POLITICAL, ECONOMIC, And RELIGIOUS, OR SOCIAL GOAL behind the terror attack.
- Nperps stand for Number of Perpetrators. This field indicates the total number of terrorists participating in the incident. (In the instance of multiple perpetrator groups participating in one case, the total number of perpetrators, across groups, is recorded). There are often discrepancies in information on this value. The lowest possible number is recorded, in this example, “11.” “-99” or “Unknown” appears when the number of perpetrators is not reported.

**MUST DO: Please read the Codebook to clearly understand each column. It also tell the column data type.**

### **Task**

Based on the data please come up with following exploratory analysis:

- 1) Number of Attacks per year
- 2) Number of bombing per year
- 3) Terrorist attacks region wise per year
- 4) Top 5 type of terror attacks per region
- 5) Heaviest hit Target types (Based on both Killed and wounded)
- 6) Terrorist attack in India and Pakistan in last 45 years
- 7) Terror attack in United States vs Russian Federation/USSR in last 45 years
- 8) Where are there the most casualties?
- 9) How have casualties evolved throughout the years?
- 10) What are the casualties by weapon type?
- 11) Are certain nationalities more targeted? If yes, which one?
- 12) Are some countries better at defending themselves against terrorist attacks? If yes, which is the safest country to live

NOTE: Please submit this assessment in form of an R-markdown file. You also need to create the presentation with you findings. You will be given 10 min to present the same.