Global Terrorism Database

## CENG 2005 Final Project

Muğla Sıtkı Koçman University

Ceng 2008 -Database Management Systems

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Global Terrorism Database holds datas about all terror attacks that occured globaly since 1700 to 2016. There are 135 colums for each event that specifies the properties. Date datas, Weapon datas, Terorist group datas, Target datas, Damage datas, Locations datas are included.

This database has information about 170350 incident.

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INTRODUCTION  
  
The Global Terrorism Database (GTD) is an open-source database including information on terrorist attacks around the world from 1970 through 2016 (with annual updates planned). The GTD includes systematic data on domestic as well as international terrorist incidents that have occurred during this time and now includes more than 170,000 cases.

## Differences since Phase-1:

We merge attack type, weapon type, target and victim information into one table for each of them. We corrected some dependency issues that about location data. We separate some additional information from event table to another text and numeric value tables.

Data Pre-Processing and Loading  
  
First, in our dataset, we must find the non-atomic values. In GTD almost all values are atomic except the ‘related’ column. This column consists of other event id’s that are related to this event. But this data inserted this column with comma separated so we separate this column to different columns with a Python script. When we finished our eer diagram we manually separate csv files from the main data. In this data there were null values for int value fields. To fix this we change this null areas with \N character. So mysql can accept it as null. There where attributes without id. We gave them autoincrement ids. There were some unnecessary semicolons in text fields. We change them with commas. Then finaly in our data there were non ascii characters that we try to remove.

Url of our raw data: <https://www.kaggle.com/START-UMD/gtd/data>  
We inserted all of our data.

## Used Softwares

We used MySQL Workbench for drawing our EER diagram and creating tables. After that we use DataGrip from IntelliJ to load the data to our database.  
  
Limitation Of System

Event table is very big. If we can find a way to separate this table to different tables, the system probably works faster also loading data to this table will be much faster.

## View/Stored procedure

date\_view:

a view that gets year, month and day information about an event

event\_summary:

a view that gets all events and its corresponding summary data if it is exist. Challenging point of this view is that every event hasn’t got summary. We are not showing that null values with sql code.

most\_attack\_year:

a stored procedure that gets a string country input and gives the year of maximum terror attack number in that country.

## Database Definition Language (DDL) Of Tables

-- MySQL Workbench Forward Engineering

SET @OLD\_UNIQUE\_CHECKS=@@UNIQUE\_CHECKS, UNIQUE\_CHECKS=0;

SET @OLD\_FOREIGN\_KEY\_CHECKS=@@FOREIGN\_KEY\_CHECKS, FOREIGN\_KEY\_CHECKS=0;

SET @OLD\_SQL\_MODE=@@SQL\_MODE, SQL\_MODE='TRADITIONAL,ALLOW\_INVALID\_DATES';

-- -----------------------------------------------------

-- Schema GlobalTerrorismDatabase

-- -----------------------------------------------------

-- -----------------------------------------------------

-- Schema GlobalTerrorismDatabase

-- -----------------------------------------------------

CREATE SCHEMA IF NOT EXISTS `GlobalTerrorismDatabase` DEFAULT CHARACTER SET ascii ;

USE `GlobalTerrorismDatabase` ;

-- -----------------------------------------------------

-- Table `GlobalTerrorismDatabase`.`attack\_type`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `GlobalTerrorismDatabase`.`attack\_type` (

`attack\_type\_id` INT NOT NULL,

`attack\_type\_txt` VARCHAR(45) NOT NULL,

PRIMARY KEY (`attack\_type\_id`))

ENGINE = InnoDB;

# 1;Assassination

-- -----------------------------------------------------

-- Table `GlobalTerrorismDatabase`.`claimmode`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `GlobalTerrorismDatabase`.`claimmode` (

`claimmode\_id` INT NOT NULL,

`claimmode\_txt` TINYTEXT NOT NULL,

PRIMARY KEY (`claimmode\_id`))

ENGINE = InnoDB;

# 1;Letter

-- -----------------------------------------------------

-- Table `GlobalTerrorismDatabase`.`hostkid\_outcome`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `GlobalTerrorismDatabase`.`hostkid\_outcome` (

`hostkid\_outcome\_id` INT NOT NULL,

`hostkid\_outcome\_txt` VARCHAR(50) NOT NULL,

PRIMARY KEY (`hostkid\_outcome\_id`))

ENGINE = InnoDB;

# 3;Hostage(s) escaped (not during rescue attempt)

-- -----------------------------------------------------

-- Table `GlobalTerrorismDatabase`.`Propextent`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `GlobalTerrorismDatabase`.`Propextent` (

`propextent\_id` INT NOT NULL,

`propextent\_txt` VARCHAR(50) NOT NULL,

PRIMARY KEY (`propextent\_id`))

ENGINE = InnoDB;

# 2;Major (likely > $1 million but < $1 billion)

-- -----------------------------------------------------

-- Table `GlobalTerrorismDatabase`.`alternative\_designation`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `GlobalTerrorismDatabase`.`alternative\_designation` (

`alternative\_id` INT NOT NULL,

`alternative\_txt` VARCHAR(45) NOT NULL,

PRIMARY KEY (`alternative\_id`))

ENGINE = InnoDB;

# 3;Intra/Inter-group Conflict

-- -----------------------------------------------------

-- Table `GlobalTerrorismDatabase`.`region`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `GlobalTerrorismDatabase`.`region` (

`region\_id` INT NOT NULL,

`region\_txt` VARCHAR(45) NOT NULL,

PRIMARY KEY (`region\_id`),

UNIQUE INDEX `region\_id\_UNIQUE` (`region\_id` ASC))

ENGINE = InnoDB;

# 10;Middle East & North Africa

-- -----------------------------------------------------

-- Table `GlobalTerrorismDatabase`.`Country`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `GlobalTerrorismDatabase`.`Country` (

`country\_id` INT NOT NULL,

`country\_txt` VARCHAR(45) NOT NULL,

`region\_id` INT NOT NULL,

PRIMARY KEY (`country\_id`),

UNIQUE INDEX `countryid\_UNIQUE` (`country\_id` ASC),

INDEX `fk\_Country\_region1\_idx` (`region\_id` ASC),

CONSTRAINT `fk\_Country\_region1`

FOREIGN KEY (`region\_id`)

REFERENCES `GlobalTerrorismDatabase`.`region` (`region\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

# 499;East Germany (GDR);9

-- -----------------------------------------------------

-- Table `GlobalTerrorismDatabase`.`event`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `GlobalTerrorismDatabase`.`event` (

`event\_id` BIGINT NOT NULL,

`iyear` INT NOT NULL,

`imonth` INT NOT NULL,

`iday` INT NOT NULL,

`approxdate` TEXT NULL,

`extended` TINYINT NOT NULL,

`resolution` TEXT NULL,

`summary` TEXT NULL,

`crit1` TINYINT NOT NULL,

`crit2` TINYINT NOT NULL,

`crit3` TINYINT NOT NULL,

`doubtter` TINYINT NOT NULL,

`alternative\_id` INT NULL,

`multiple` TINYINT NOT NULL,

`success` TINYINT NOT NULL,

`suicide` TINYINT NOT NULL,

`attack\_type1\_id` INT NOT NULL,

`attack\_type2\_id` INT NULL,

`attack\_type3\_id` INT NULL,

`gname1` TEXT NULL,

`gsubname1` TEXT NULL,

`gname2` TEXT NULL,

`gsubname2` TEXT NULL,

`gname3` TEXT NULL,

`gsubname3` TEXT NULL,

`guncertain1` TINYINT NULL,

`guncertain2` TINYINT NULL,

`guncertain3` TINYINT NULL,

`individual` TINYINT NOT NULL,

`nperps` INT NULL,

`nperpcap` DOUBLE NULL,

`claimed1` TINYINT NULL,

`claimmode1\_id` INT NULL,

`claimed2` TINYINT NULL,

`claimmode2\_id` INT NULL,

`claimed3` TINYINT NULL,

`claimmode3\_id` INT NULL,

`compclaim` TINYINT NULL,

`weapdetail` TEXT NULL,

`property` INT NULL,

`propextent\_id` INT NULL,

`ishostkid` TINYINT NULL,

`kidhij\_country\_id` INT NULL,

`ransom` TINYINT NULL,

`hostkid\_outcome\_id` INT NULL,

`INT\_LOG` TINYINT NOT NULL,

`INT\_IDEO` TINYINT NOT NULL,

`INT\_MISC` TINYINT NOT NULL,

`INT\_ANY` TINYINT NOT NULL,

PRIMARY KEY (`event\_id`),

UNIQUE INDEX `eventid\_UNIQUE` (`event\_id` ASC),

INDEX `fk\_event\_attak\_type1\_idx` (`attack\_type1\_id` ASC),

INDEX `fk\_event\_attak\_type2\_idx` (`attack\_type2\_id` ASC),

INDEX `fk\_event\_attak\_type3\_idx` (`attack\_type3\_id` ASC),

INDEX `fk\_event\_claimmode1\_idx` (`claimmode1\_id` ASC),

INDEX `fk\_event\_claimmode2\_idx` (`claimmode2\_id` ASC),

INDEX `fk\_event\_claimmode3\_idx` (`claimmode3\_id` ASC),

INDEX `fk\_event\_hostkid\_outcome1\_idx` (`hostkid\_outcome\_id` ASC),

INDEX `fk\_event\_Propextent1\_idx` (`propextent\_id` ASC),

INDEX `fk\_event\_alternative\_designation1\_idx` (`alternative\_id` ASC),

INDEX `fk\_event\_Country1\_idx` (`kidhij\_country\_id` ASC),

CONSTRAINT `fk\_event\_attak\_type1`

FOREIGN KEY (`attack\_type1\_id`)

REFERENCES `GlobalTerrorismDatabase`.`attack\_type` (`attack\_type\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_event\_attak\_type2`

FOREIGN KEY (`attack\_type2\_id`)

REFERENCES `GlobalTerrorismDatabase`.`attack\_type` (`attack\_type\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_event\_attak\_type3`

FOREIGN KEY (`attack\_type3\_id`)

REFERENCES `GlobalTerrorismDatabase`.`attack\_type` (`attack\_type\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_event\_claimmode1`

FOREIGN KEY (`claimmode1\_id`)

REFERENCES `GlobalTerrorismDatabase`.`claimmode` (`claimmode\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_event\_claimmode2`

FOREIGN KEY (`claimmode2\_id`)

REFERENCES `GlobalTerrorismDatabase`.`claimmode` (`claimmode\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_event\_claimmode3`

FOREIGN KEY (`claimmode3\_id`)

REFERENCES `GlobalTerrorismDatabase`.`claimmode` (`claimmode\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_event\_hostkid\_outcome1`

FOREIGN KEY (`hostkid\_outcome\_id`)

REFERENCES `GlobalTerrorismDatabase`.`hostkid\_outcome` (`hostkid\_outcome\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_event\_Propextent1`

FOREIGN KEY (`propextent\_id`)

REFERENCES `GlobalTerrorismDatabase`.`Propextent` (`propextent\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_event\_alternative\_designation1`

FOREIGN KEY (`alternative\_id`)

REFERENCES `GlobalTerrorismDatabase`.`alternative\_designation` (`alternative\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_event\_Country1`

FOREIGN KEY (`kidhij\_country\_id`)

REFERENCES `GlobalTerrorismDatabase`.`Country` (`country\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

# 197000000002;1970;0;0;\N;0;\N;\N;1;1;1;0;\N;0;1;0;6;\N;\N;23rd of September Communist League;\N;\N;\N;\N;\N;0;\N;\N;0;7;\N;\N;\N;\N;\N;\N;\N;\N;\N;0;\N;1;\N;1;\N;0;1;1;1

-- -----------------------------------------------------

-- Table `GlobalTerrorismDatabase`.`related`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `GlobalTerrorismDatabase`.`related` (

`eventid` BIGINT NOT NULL,

`eventid1` BIGINT NOT NULL,

PRIMARY KEY (`eventid`, `eventid1`),

INDEX `fk\_event\_has\_event\_event1\_idx` (`eventid1` ASC),

INDEX `fk\_event\_has\_event\_event\_idx` (`eventid` ASC),

CONSTRAINT `fk\_event\_has\_event\_event`

FOREIGN KEY (`eventid`)

REFERENCES `GlobalTerrorismDatabase`.`event` (`event\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_event\_has\_event\_event1`

FOREIGN KEY (`eventid1`)

REFERENCES `GlobalTerrorismDatabase`.`event` (`event\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

# 197712230009;197712230007

-- -----------------------------------------------------

-- Table `GlobalTerrorismDatabase`.`event\_location`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `GlobalTerrorismDatabase`.`event\_location` (

`event\_id` BIGINT NOT NULL,

`country\_id` INT NOT NULL,

`provstate` VARCHAR(50) NULL,

`city` VARCHAR(100) NULL,

`latitude` DOUBLE(10,6) NULL,

`longitude` DOUBLE(10,6) NULL,

`specificiti` TINYINT NULL,

`vicinity` TINYINT NOT NULL,

`location` TEXT NULL,

INDEX `fk\_event\_location\_Country1\_idx` (`country\_id` ASC),

PRIMARY KEY (`event\_id`),

CONSTRAINT `fk\_event\_location\_Country1`

FOREIGN KEY (`country\_id`)

REFERENCES `GlobalTerrorismDatabase`.`Country` (`country\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_event\_location\_event1`

FOREIGN KEY (`event\_id`)

REFERENCES `GlobalTerrorismDatabase`.`event` (`event\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

# 197001030001;217;Wisconsin;Madison;43.07295;-89.386694;1;0;

-- -----------------------------------------------------

-- Table `GlobalTerrorismDatabase`.`weapon\_type`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `GlobalTerrorismDatabase`.`weapon\_type` (

`weapon\_type\_id` TINYINT NOT NULL,

`weapon\_type\_txt` VARCHAR(100) NOT NULL,

PRIMARY KEY (`weapon\_type\_id`))

ENGINE = InnoDB;

# 11;Sabotage Equipment

-- -----------------------------------------------------

-- Table `GlobalTerrorismDatabase`.`weapon\_subtype`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `GlobalTerrorismDatabase`.`weapon\_subtype` (

`weapon\_subtype\_id` TINYINT NOT NULL,

`weapon\_subtype\_txt` VARCHAR(50) NOT NULL,

PRIMARY KEY (`weapon\_subtype\_id`))

ENGINE = InnoDB;

11;Projectile (rockets, mortars, RPGs, etc.)

-- -----------------------------------------------------

-- Table `GlobalTerrorismDatabase`.`weapon\_info`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `GlobalTerrorismDatabase`.`weapon\_info` (

`event\_id` BIGINT NOT NULL,

`weapon\_type\_id` TINYINT NULL,

`weapon\_subtype\_id` TINYINT NULL,

`weapon\_type\_number` TINYINT NOT NULL AUTO\_INCREMENT,

PRIMARY KEY (`weapon\_type\_number`, `event\_id`),

INDEX `fk\_weapon\_info\_weapon\_type1\_idx` (`weapon\_type\_id` ASC),

INDEX `fk\_weapon\_info\_weapon\_subtype2\_idx` (`weapon\_subtype\_id` ASC),

CONSTRAINT `fk\_weapon\_info\_event1`

FOREIGN KEY (`event\_id`)

REFERENCES `GlobalTerrorismDatabase`.`event` (`event\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_weapon\_info\_weapon\_type1`

FOREIGN KEY (`weapon\_type\_id`)

REFERENCES `GlobalTerrorismDatabase`.`weapon\_type` (`weapon\_type\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_weapon\_info\_weapon\_subtype2`

FOREIGN KEY (`weapon\_subtype\_id`)

REFERENCES `GlobalTerrorismDatabase`.`weapon\_subtype` (`weapon\_subtype\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

# 197005010006;6;17;1

-- -----------------------------------------------------

-- Table `GlobalTerrorismDatabase`.`nationality`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `GlobalTerrorismDatabase`.`nationality` (

`natlyt\_id` INT NOT NULL,

`natlty\_txt` TINYTEXT NOT NULL,

PRIMARY KEY (`natlyt\_id`))

ENGINE = InnoDB;

# 158;Paraguay

-- -----------------------------------------------------

-- Table `GlobalTerrorismDatabase`.`target\_type`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `GlobalTerrorismDatabase`.`target\_type` (

`target\_type\_id` INT NOT NULL,

`target\_type\_txt` VARCHAR(45) NOT NULL,

PRIMARY KEY (`target\_type\_id`))

ENGINE = InnoDB;

# 15;Religious Figures/Institutions

-- -----------------------------------------------------

-- Table `GlobalTerrorismDatabase`.`target\_subtype`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `GlobalTerrorismDatabase`.`target\_subtype` (

`target\_subtype\_id` INT NOT NULL,

`target\_subtype\_txt` VARCHAR(75) NOT NULL,

PRIMARY KEY (`target\_subtype\_id`))

ENGINE = InnoDB;

# 27;Military Barracks/Base/Headquarters/Checkpost

-- -----------------------------------------------------

-- Table `GlobalTerrorismDatabase`.`target\_info`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `GlobalTerrorismDatabase`.`target\_info` (

`event\_id` BIGINT NOT NULL,

`target\_type\_id` INT NULL,

`target\_subtype\_id` INT NULL,

`corp` TEXT NULL,

`target` TEXT NULL,

`natlty\_id` INT NULL,

`order` TINYINT NOT NULL,

PRIMARY KEY (`event\_id`, `order`),

INDEX `fk\_target\_info\_target\_type1\_idx` (`target\_type\_id` ASC),

INDEX `fk\_target\_info\_nationality1\_idx` (`natlty\_id` ASC),

INDEX `fk\_target\_info\_target\_subtype1\_idx` (`target\_subtype\_id` ASC),

CONSTRAINT `fk\_target\_info\_event1`

FOREIGN KEY (`event\_id`)

REFERENCES `GlobalTerrorismDatabase`.`event` (`event\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_target\_info\_target\_type1`

FOREIGN KEY (`target\_type\_id`)

REFERENCES `GlobalTerrorismDatabase`.`target\_type` (`target\_type\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_target\_info\_nationality1`

FOREIGN KEY (`natlty\_id`)

REFERENCES `GlobalTerrorismDatabase`.`nationality` (`natlyt\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_target\_info\_target\_subtype1`

FOREIGN KEY (`target\_subtype\_id`)

REFERENCES `GlobalTerrorismDatabase`.`target\_subtype` (`target\_subtype\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

# 197001090002;1;7;American owned business in Puerto Rico;Baker's Store;217;1

-- -----------------------------------------------------

-- Table `GlobalTerrorismDatabase`.`type\_names`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `GlobalTerrorismDatabase`.`type\_names` (

`type\_name` VARCHAR(20) NOT NULL,

`type\_type` TINYINT NOT NULL,

`type\_id` INT NOT NULL AUTO\_INCREMENT,

PRIMARY KEY (`type\_id`),

UNIQUE INDEX `type\_name\_UNIQUE` (`type\_name` ASC))

ENGINE = InnoDB;

# ransompaidus;1

-- -----------------------------------------------------

-- Table `GlobalTerrorismDatabase`.`numeric\_values`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `GlobalTerrorismDatabase`.`numeric\_values` (

`event\_id` BIGINT NOT NULL,

`value` DOUBLE NULL,

`type\_id` INT NOT NULL,

PRIMARY KEY (`event\_id`, `type\_id`),

INDEX `fk\_numeric\_values\_type\_names1\_idx` (`type\_id` ASC),

CONSTRAINT `fk\_numeric\_values\_event1`

FOREIGN KEY (`event\_id`)

REFERENCES `GlobalTerrorismDatabase`.`event` (`event\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_numeric\_values\_type\_names1`

FOREIGN KEY (`type\_id`)

REFERENCES `GlobalTerrorismDatabase`.`type\_names` (`type\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

# 197000000002;800000;12

-- -----------------------------------------------------

-- Table `GlobalTerrorismDatabase`.`text\_values`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `GlobalTerrorismDatabase`.`text\_values` (

`event\_id` BIGINT NOT NULL,

`type\_id` INT NOT NULL AUTO\_INCREMENT,

`value` TEXT NULL,

PRIMARY KEY (`type\_id`, `event\_id`),

INDEX `fk\_text\_values\_type\_names1\_idx` (`type\_id` ASC),

CONSTRAINT `fk\_text\_values\_event1`

FOREIGN KEY (`event\_id`)

REFERENCES `GlobalTerrorismDatabase`.`event` (`event\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_text\_values\_type\_names1`

FOREIGN KEY (`type\_id`)

REFERENCES `GlobalTerrorismDatabase`.`type\_names` (`type\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

# 197001010002;24;Christopher Hewitt, Political Violence and Terrorism in Modern America: A Chronology, Praeger Security International, 2005.

SET SQL\_MODE=@OLD\_SQL\_MODE;

SET FOREIGN\_KEY\_CHECKS=@OLD\_FOREIGN\_KEY\_CHECKS;

SET UNIQUE\_CHECKS=@OLD\_UNIQUE\_CHECKS;

## Additional scripts:

### eventkidhij:

double1 = open("degistirilecek.csv", "r")

numeric = open("degistirildi.csv", "w+")

double1 = double1.readlines()

for i in double1:

if ";;" in i:

continue

else:

numeric.write(i)

### kidhijcreateid:

kidhij = open("onlykidhij.csv" , "r")

editedkidhijcountry = open("editedkidhijcountry.csv", "w+")

kidhij = kidhij.readlines()

country = open("onlycountry.csv", "r")

country = country.readlines()

for i in kidhij:

for j in country:

j = j.split(";")

if i == j[1]:

editedkidhijcountry.write(i)

editedkidhijcountry.write(";")

editedkidhijcountry.write(j[0])

editedkidhijcountry.write("\n")

else:

editedkidhijcountry.write(j[0])

editedkidhijcountry.write(";")

editedkidhijcountry.write(j[1])

editedkidhijcountry.write("\n")

### related:

import re

import csv

file = open("yeni.csv", "w+")

with open("Related.csv","r") as csvfile:

line = csv.reader(csvfile, delimiter=' ', quotechar=';')

for row in line:

for i in row:

if not ( i[1].isnumeric()):

i = i[3:len(i)]

if ";" in i :

tmp = i.split(";")

for j in range(len(tmp)-1) :

if j!=0 & len(tmp) != 1:

file.write(re.sub('[^0-9]','', tmp[0])+ ";" + re.sub('[^0-9]','', tmp[j]) + "\n")

### textvaluecreator:

newcsv = open("editedtext.csv", "w+")

maincsv = open("maintext.csv", "r")

maincsv = maincsv.readlines()

for i in maincsv:

tmp = i.split(";")

for j in range(len(tmp)):

if j != 0 :

newcsv.write(tmp[0])

newcsv.write(";")

newcsv.write(tmp[j])

newcsv.write(";")

newcsv.write(str(j))

newcsv.write("\n")

### Data Loading SQLs:

load data local infile 'C:\\Users\\ahmet\\Desktop\\22.05.2018\\weapon\_type.csv'  
into table weapon\_type  
fields terminated by ';'  
ignore 1 lines;  
  
load data local infile 'C:\\Users\\ahmet\\Desktop\\22.05.2018\\weapon\_subtype.csv'  
into table weapon\_subtype  
fields terminated by ';'  
ignore 1 lines;  
  
load data local infile 'C:\\Users\\ahmet\\Desktop\\22.05.2018\\type\_names.csv'  
into table type\_names  
fields terminated by ';'  
ignore 1 lines;  
  
load data local infile 'C:\\Users\\ahmet\\Desktop\\22.05.2018\\claimmode.csv'  
into table claimmode  
fields terminated by ';'  
ignore 1 lines;  
  
load data local infile 'C:\\Users\\ahmet\\Desktop\\22.05.2018\\alternative\_designation.csv'  
into table alternative\_designation  
fields terminated by ';'  
ignore 1 lines;  
  
load data local infile 'C:\\Users\\ahmet\\Desktop\\22.05.2018\\propextent.csv'  
into table propextent  
fields terminated by ';'  
ignore 1 lines;  
  
load data local infile 'C:\\Users\\ahmet\\Desktop\\22.05.2018\\hostkid\_outcome.csv'  
into table hostkid\_outcome  
fields terminated by ';'  
ignore 1 lines;  
  
load data local infile 'C:\\Users\\ahmet\\Desktop\\22.05.2018\\target\_subtype.csv'  
into table target\_subtype  
fields terminated by ';'  
ignore 1 lines;  
  
load data local infile 'C:\\Users\\ahmet\\Desktop\\22.05.2018\\nationality.csv'  
into table nationality  
fields terminated by ';'  
ignore 1 lines;  
  
load data local infile 'C:\\Users\\ahmet\\Desktop\\22.05.2018\\target\_type.csv'  
into table target\_type  
fields terminated by ';'  
ignore 1 lines;  
  
load data local infile 'C:\\Users\\ahmet\\Desktop\\22.05.2018\\region.csv'  
into table region  
fields terminated by ';'  
ignore 1 lines;

load data local infile 'C:\\Users\\ahmet\\Desktop\\22.05.2018\\attack\_type.csv'  
into table attack\_type  
fields terminated by ';'  
ignore 1 lines;  
  
load data local infile 'C:\\Users\\ahmet\\Desktop\\22.05.2018\\country.csv'  
into table country  
fields terminated by ';'  
ignore 1 lines;  
  
load data local infile 'C:\\Users\\ahmet\\Desktop\\22.05.2018\\event.csv'  
into table event  
fields terminated by ';'  
ignore 1 lines;  
  
load data local infile 'C:\\Users\\ahmet\\Desktop\\22.05.2018\\related.csv'  
into table related  
fields terminated by ';';  
  
load data local infile 'C:\\Users\\ahmet\\Desktop\\22.05.2018\\weapon\_info.csv'  
into table weapon\_info  
fields terminated by ';'  
ignore 1 lines;  
  
load data local infile 'C:\\Users\\ahmet\\Desktop\\22.05.2018\\numeric\_values.csv'  
into table numeric\_values  
fields terminated by ';';  
  
load data local infile 'C:\\Users\\ahmet\\Desktop\\22.05.2018\\text\_values.csv'  
into table text\_values  
fields terminated by ';';  
  
load data local infile 'C:\\Users\\ahmet\\Desktop\\22.05.2018\\target\_info.csv'  
into table target\_info  
fields terminated by ';'  
ignore 1 lines;  
  
load data local infile 'C:\\Users\\ahmet\\Desktop\\22.05.2018\\event\_location.csv'  
into table event\_location  
fields terminated by ';'  
ignore 1 lines;

## EER Diagram:

