

1, Original Dataset Description

The Global Terrorism Dataset (GTD) is an open-source dataset including information on terrorist attacks around the world since 1970. The dataset link is as follows: <https://data.world/data-society/global-terrorism-data>

The GTD includes systematic data on terrorist incidents that have occurred since 1970, and now includes more than 200,000 cases. For each GTD incident, information is available on the date and location of the incident, the weapons used and nature of the target, the number of casualties, and the group or individual responsible when identifiable. The variables that constitute the GTD include the GTD ID, incident date, incident location, incident information, attack information, weapon information, target information, perpetrator information, claims of responsibility, casualties and consequences information, kidnapping/hostage taking information, additional information, and source information.

The sub dataset which I selected from the GTD for the assignment 2 project contains very much information about the terrorism incidents, from the year 1992 to the year 2015. It includes 109 MB data, 107114 rows of records and 135 columns variables. This dataset has many null values and empty values spread across many different columns, and it also includes lots of data redundancy.

2, Relational Database

After evaluating the dataset structure and contents, I think it is a good source dataset for relational database. The reason that why I choose relational database for this dataset are as follows: This dataset is stored in determinant tables and contains structured data, which means that each record has the same structure. The data type of variable data in each column is defined, and the dataset can be split into multiple different tables in the database, which can support multi-table Join operation. The add, delete, update and search functionality of SQL queries can be applied to this dataset table.

The data of this dataset can be restructured in a relational database so that all newly created tables in the resulting database have a good structural relationship with each other. By looking at the distribution of the data in the dataset, I found that ELT is more suitable for processing this dataset. ELT stands for Extract, Load and Transform Data. The reason why I decided to use ELT instead of ETL in the process of dataset processing is that I think this source dataset is very large, with 100,000 rows of data and 135 variables in each row. I need to extract different variables from this source dataset to create multiple data tables (In this task , I plan to create 9 tables for the new database based on the database information structure), then load the data related to the new data table from the source dataset into the new data tables, and finally transform the data in all the new data tables, so as to preserve as much of the original data as possible. If I use the ETL step to process the data, I need to transform the data before loading them into the new tables. This operation results in the loss of a lot of useful data in this case. Our task is to design and execute the new database so that the new tables have the right relationships and structures with each other, while loading as much data as possible from the source database into the new tables.

I will use the Microsoft SQL Server 2019 database for the project. Microsoft SQL Server 2019 database model can be used for storing data in a database. The Data Model focuses on what data is needed and how data is organized, rather than what actions must be taken. This data

model is a conceptual representation of data objects, data object associations, and data object rules. Microsoft SQL Server 2019 database Model is similar to a blueprint for a building designed by an architect. It is a method of documenting the designing of the database structure and tables in the form of a simple graphic. The diagram will be created using text and symbols to describe how the data will flow in different tables. It is frequently referred to as a blueprint for creating new tables or reengineering existing tables in the database structure.

Database schemas in SQL Server can help determine who has access to objects in a database and also serve as namespaces to prevent object names from conflicting from different schemas. A database schema is a logical grouping of objects such as tables, views, stored procedures, etc. Schemas can be created and changed in the database, and users are allowed to access schemas. A schema can be owned by any user. Each user is assigned a default schema, which is the mechanism that distinguishes the way the object is referenced when the user logs into SQL Server and calls the database object. SQL Server also uses schemas to organize objects, so it is important to understand how to properly access these objects. If you do not prefix an object reference with a username, the "dbo" username is used by default. The system uses "dbo" schema as long as "dbo" is the default schema. In this project, I created multiple tables using SQL statements in the default "dbo" schema. For example, I create a table (called "Attack Information") that will be set up in the default database schema (" dbo "). If I want to create a table that uses a different schema, I have to specify the schema name in the expression.

3, Work planning and implementation.

Firstly, I need to import the original source csv dataset into the database, and then creating the database schema structure. And then design and create new data tables by writing "create table" query statements according to the 135 variables of the source dataset and set their own primary keys and foreign keys to establish appropriate relationships between these tables. Queries are then written to extract the relevant data from the source dataset into the final data tables. Finally, I do some clean and transform of the data in each data tables where are necessary.

From a technical point of view, I did the task step by step as follows:

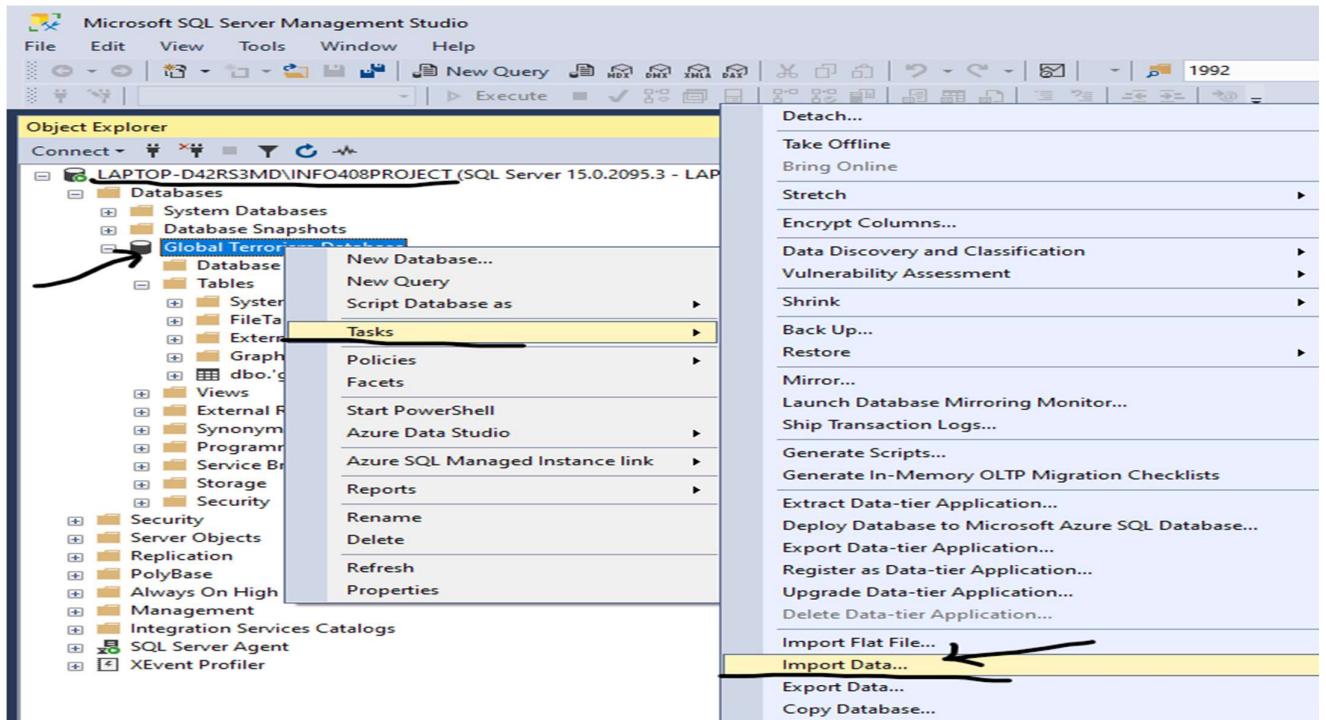
1, First of all, I studied and understood the content of the dataset which I selected and then make sure the selected dataset can meet the requirements of the task. The 109MB Dataset I selected is part of the Global Terrorism Dataset and includes two CSV files that contain data related to Terrorism events from year 1992 to 2011 and from year 2012 to 2015. I need to merge the data in these two CSV files to create a new CSV file containing all the data related to terrorism incidents from year 1992 to 2015. The tool I used was the Power Query Editor in Excel. I started by importing two CSV files into Excel's Power Query Editor, then select "Append Query" function button to concatenate rows from these two tables into a new single table.

2, According to the data format, data type and the relationship between data variables in the selected dataset, the database management system using the relational database for the task is determined. Here I choose to use Microsoft's SQL Server 2019 Database. SQL Server 2019 Database makes it easy to interact with Excel CSV files, both of which are owned by Microsoft. Download and install Microsoft's SQL Server 2019 Database and Microsoft SQL Server Management Studio as prerequisites for designing and executing the database. The specific

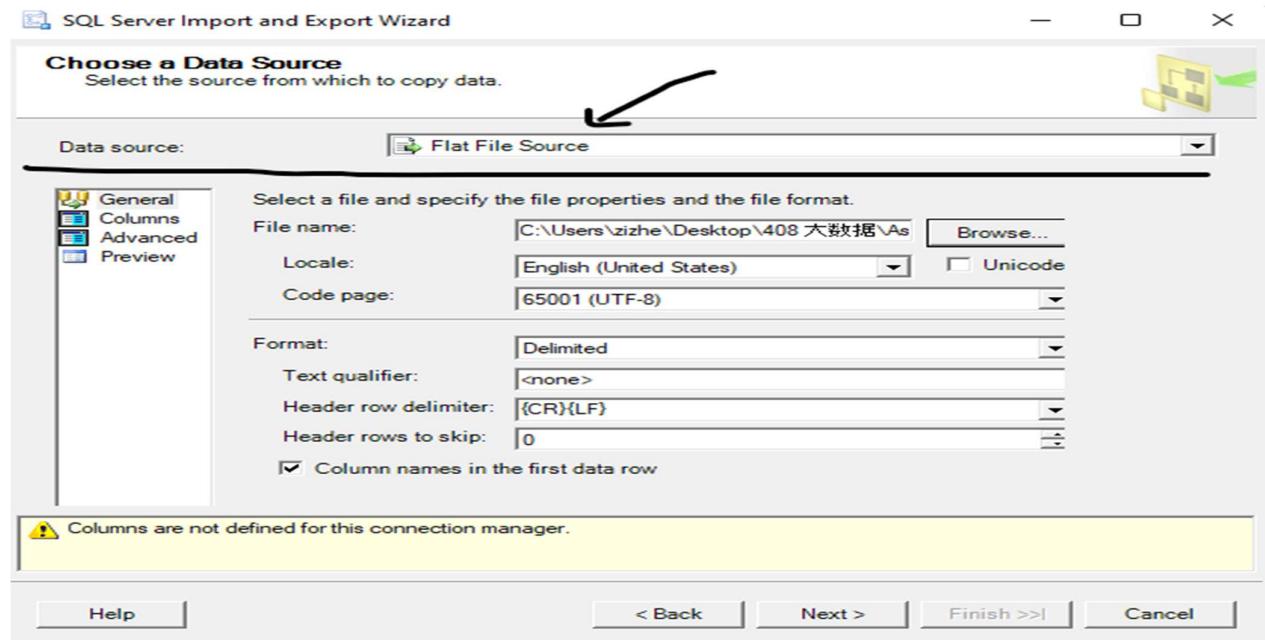
download and installation steps just follow the download and installation operation steps from Microsoft Company's official website.

3, Next, I need to create a new database in SQL Server 2019 database which is called Global Terrorism Database. Then I need to load the original data from the previously selected dataset into the Global Terrorism Database. The specific **data loading steps** are as follows:

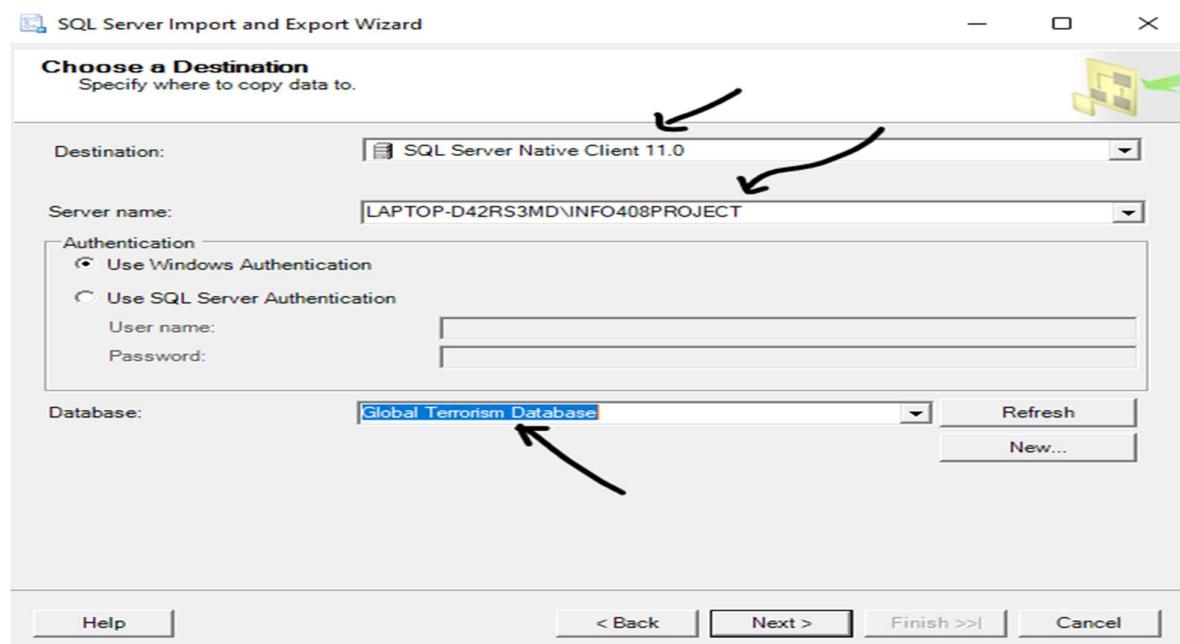
Log into the **SQL Server Management Studio**, connect to SQL Server named **LAPTOP-D42RS3MD\INFO408PROJECT** which I created during the database system installation. Create a new database named Global Terrorism Database. Right click the Global Terrorism Database, click “import data” inside the “Tasks”. Please see the following screenshot for this step.



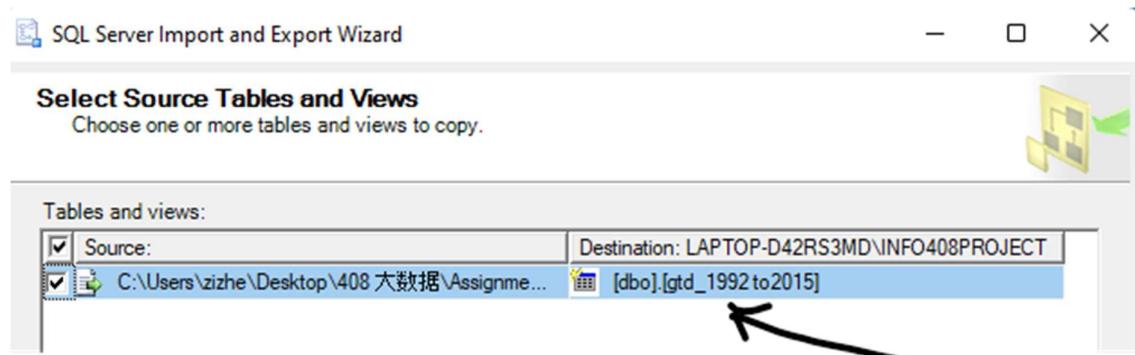
Then I can find the SQL Server Import and Export Wizard. Click next button to start to choose a data source from which to copy data. Here I choose Flat File Source because the original dataset is a CSV file.



Then Click next button can review the data source. And click the next button in the review page, I can find a new page ask me to choose a destination specify where to copy data to. Here I choose “SQL Server Native Client 11.0” as the destination. We can see the server’s name in this page is “LAPTOP-D42RS3MD\INFO408PROJECT”, I choose the Global Terrorism Database as the Database.



Then I get another page ask me to select source tables and views. Because I plan to load the whole dataset’s data into the database. So I select all the data in the original dataset. And then choose the table name “[dbo].[gtd_1992 to2015]” as the table name in the Global Terrorism Database.



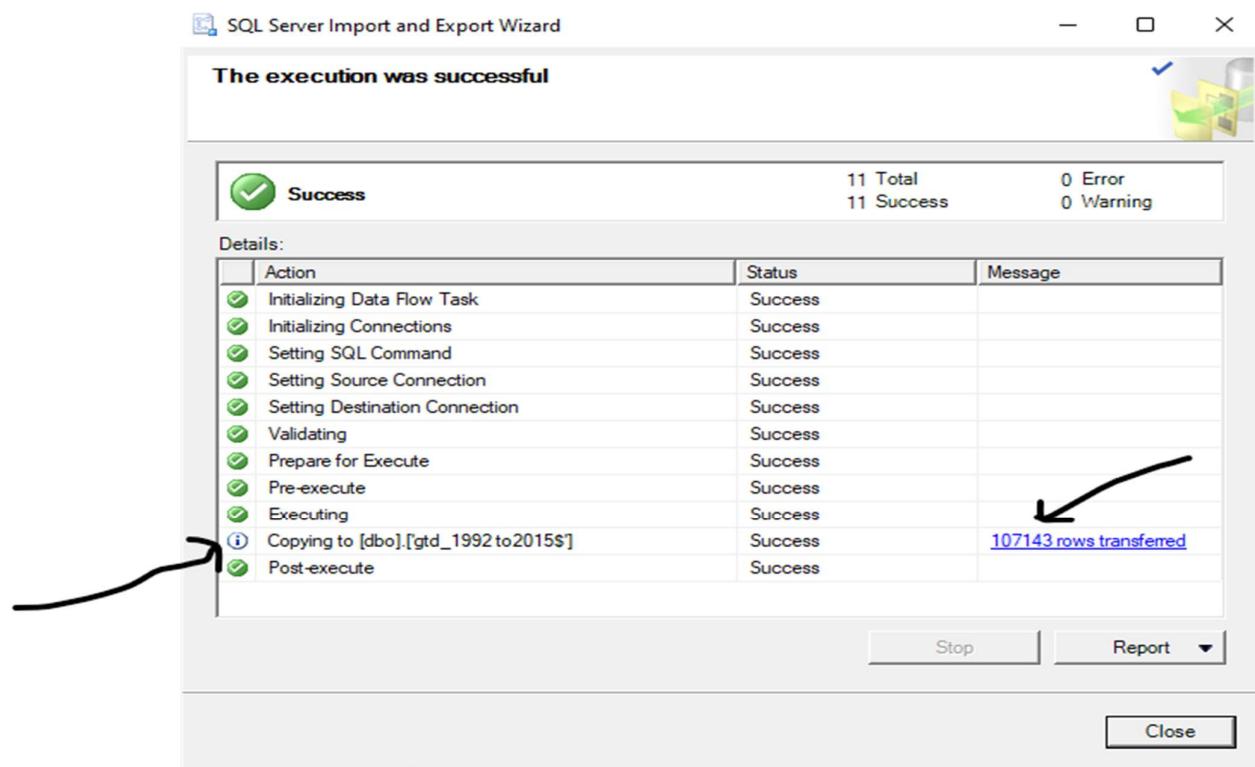
Click the next button to run the following set up immediately.

Destination Location : LAPTOP-D42RS3MD\INFO408PROJECT

Destination Provider : SQLNCLI11

- Copy rows from C:\Users\zizhe\Desktop\408 大数据\Assignment 2\datasets for the assignment 2\New folder\gtd_1992 to2015.csv to [dbo].[gtd_1992 to2015]
The new target table will be created.

From the following screen shot, we can see that 107143 rows of data are successfully imported from the data source into the database destination.



Then I can check the imported data from the Global Terrorism Database. Write a SQL query “select * from [dbo].[gtd_1992 to 2015]” to check the loaded data from the database.

The screenshot shows a SQL Server Management Studio window with a query results grid. The query executed successfully, returning 428,068 rows. The results grid has columns for eventid, iyear, imonth, iday, approximatedate, extended, resolution, country, country_txt, region, region_txt, provstate, city, and latitude. The data includes various countries and regions, such as Cuba, India, Taiwan, Algeria, Iraq, United Kingdom, Western Europe, Algeria, Bolivia, Suriname, Havana, Tripura, Taipei, Algiers, Dihok, Zakhо, London, England, Beja_a, La Paz, Paramaribo, and specific coordinates like 23.1319444, 23.940848, 25.091075, 36.7525, 37.137891, 37.137891, 51.500152, 51.500152, 36.75, -16.500194, and 5.82789.

From the screenshot above, we can see that the data loaded into the table “[dbo]. [‘gtd_1992 to 2015’]” in the database successfully.

There are no problems when I imported the original data from the csv files into the database.

4, Design, build, and populate the new database.

The first work is to design the database schema and design the empty new tables based on the 135 variables. According to the meaning of the data in the dataset, the dataset is divided to make the variables with similar meaning which can form new data tables.

After learning and understanding the contents of the original dataset, I found that the 135 columns of variables can be divided into 9 groups for building the new data tables. I just list the new tables name as follows: (The detail information of the variables in each table will attached as an appendix named " Info 408 Assignment 2 Project Database Design Metadata Variables").

Table 1, GTD ID and Date. Table 2, Incident Information. Table 3, Incident Location. Table 4, Attack Information. Table 5, Weapon Information. Table 6, Target/Victim Information. Table 7, Perpetrator Information. Table 8, Casualties and Consequences. Table 9, Additional Information and Sources.

I need to create another Table 10 named “Global Terrorism Database Keys Table” for the database schema design.

Now I explain how to design the database schema in SQL Server Management Studio.

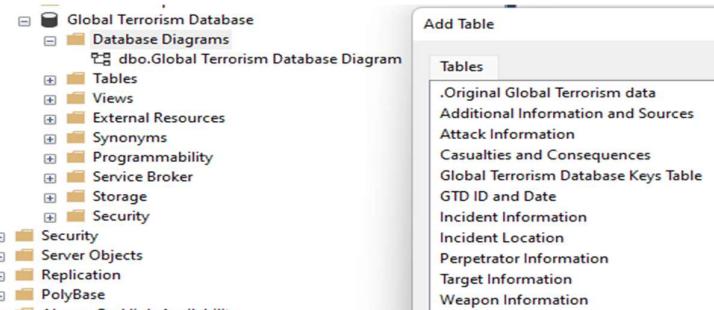
Step1, Create the empty 10 tables by writing the Create table statement. I attached all the 10 tables SQL statements as an appendix. Each table should be set up a Primary Key during the table structure design. When creating a new table, one thing I need to pay special attention to is that the data type of each variable in the new table must be the same as the data type of the

corresponding variable in the original table, otherwise many different errors will occur when importing data into the new table from the original table. The reasoning behind my table design decisions is that I think the Global Terrorism Incident should include the following parts which need to be stated: Firstly, each terrorist incident should have an identification ID, what is the date and location of the terrorist incident happened should be classified, and secondly, the specific content of the terrorist event should be appropriately classified, including Incident information, weapon information, target information, perpetrator information, attack information, casualties and consequences, additional information.

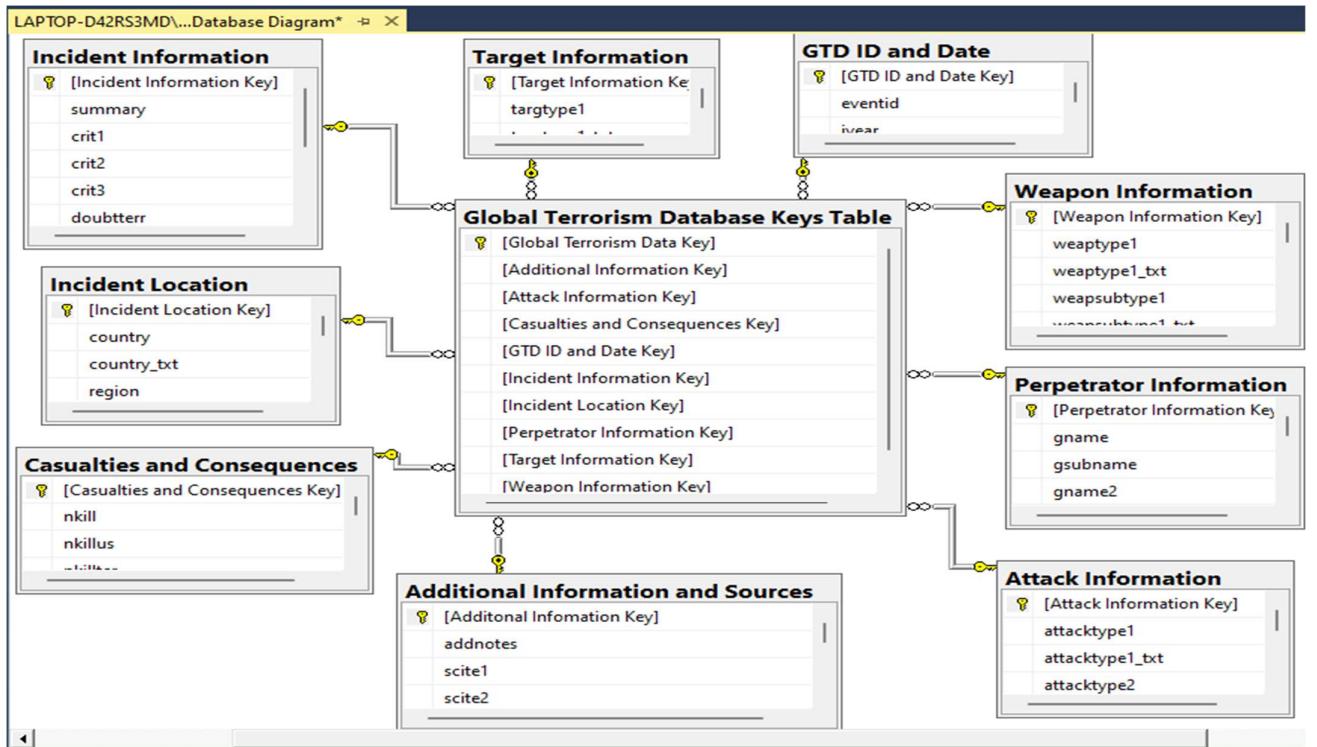
The following is the tables that I created. Each table set up a Key Column as the Primary Key.

- + dbo.Additional Information and Sources
- + dbo.Attack Information
- + dbo.Casualties and Consequences
- + dbo.Global Terrorism Database Keys Table
- + dbo.GTD ID and Date
- + dbo.Incident Information
- + dbo.Incident Location
- + dbo.Perpetrator Information
- + dbo.Target Information
- + dbo.Weapon Information

Step 2, Under the Global Terrorism Database, right click the Database Diagrams to create new database diagrams, here add the above 10 tables into the new database diagram.



From this Global Terrorism Database Diagram, create the appropriate relations between the 10 tables, set up the Primary key and Foreign Keys for the 10 tables. The following screenshot is the Database Diagram I created.



After design the relationship between the 10 tables, the new database design and structure was done.

The primary and foreign key Settings for the 10 tables in this database are as follows:

- Keys
 - PK_Global Terrorism Database Keys Table
 - FK_Global Terrorism Database Keys Table_Additional Information and Sources
 - FK_Global Terrorism Database Keys Table_Attack Information
 - FK_Global Terrorism Database Keys Table_Casualties and Consequences
 - FK_Global Terrorism Database Keys Table_GTD ID and Date
 - FK_Global Terrorism Database Keys Table_Incident Information
 - FK_Global Terrorism Database Keys Table_Incident Location
 - FK_Global Terrorism Database Keys Table_Perpetrator Information
 - FK_Global Terrorism Database Keys Table_Target Information
 - FK_Global Terrorism Database Keys Table_Weapon Information

Step 3, Import the data into the 10 tables. I write the SQL Query sentence to import the data into the different tables. I attached all the SQL Query code as an appendix for the data import task.

An example of checking the import data into the table [Attack Information] is as follows:

The screenshot shows the Microsoft SQL Server Management Studio (SSMS) interface. In the Object Explorer on the left, under the database 'LAPTOP-D42RS3MD\INFO408PROJECT', several objects are listed: Databases, System Databases, Database Snapshots, Global Terrorism Database, Database Diagrams, Tables, System Tables, FileTables, External Tables, Graph Tables, dbo.Original Global Terrorism data, dbo.Additional Information and Sources, and dbo.Attack Information. The 'dbo.Attack Information' node is expanded, showing its columns: Attack Information Key (PK, int, not null), attacktype1 (nvarchar(max), null), attacktype1_txt (nvarchar(max), null), attacktype2 (nvarchar(max), null), attacktype2_txt (nvarchar(max), null), attacktype3 (nvarchar(max), null), attacktype3_txt (nvarchar(max), null), success (float, null), and suicide (float, null). Below these are Keys, Constraints, Triggers, Indexes, and Statistics. The 'dbo.Casualties and Consequences' and 'dbo.Global Terrorism Database Keys Table' objects are also visible.

In the center, a query window titled 'SQLQuery47.sql - L...2RS3MD\zizhe (65)*' displays the following T-SQL code:

```
SELECT * FROM [Global Terrorism Database].[dbo].[Attack Information]
```

The results grid shows 12 rows of data from the 'Attack Information' table. The columns are: Attack Information Key, attacktype1, attacktype1_txt, attacktype2, attacktype2_txt, attacktype3, attacktype3_txt, success, and suicide. The data includes various attack types like Assassination, Armed Assault, Unknown, Bombing/Explosion, and Suicide, along with their respective counts and success rates.

We can see that the query executed successfully, and 428068 rows affected.

The example of the SQL Query Code for creating the table [Attack Information] is as follows:

```
SQLQuery48.sql - L...2RS3MD\zizhe (69)* ↵ X
CREATE TABLE [dbo].[Attack Information](
    [Attack Information Key] [int] IDENTITY(1,1) NOT NULL,
    [attacktype1] [nvarchar](max) NULL,
    [attacktype1_txt] [nvarchar](max) NULL,
    [attacktype2] [nvarchar](max) NULL,
    [attacktype2_txt] [nvarchar](max) NULL,
    [attacktype3] [nvarchar](max) NULL,
    [attacktype3_txt] [nvarchar](max) NULL,
    [success] [float] NULL,
    [suicide] [float] NULL,
    CONSTRAINT [PK_Attack Information] PRIMARY KEY CLUSTERED
    (
        [Attack Information Key] ASC
    )WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
    ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
GO
```

The example of the SQL Query Code for importing data into the table [Attack Information] is as follows:

```
SQLQuery data into...2RS3MD\zizhe (51)) ↵ X
INSERT INTO [dbo].[Attack Information]
    ([attacktype1]
    ,[attacktype1_txt]
    ,[attacktype2]
    ,[attacktype2_txt]
    ,[attacktype3]
    ,[attacktype3_txt]
    ,[success]
    ,[suicide])
select
    [attacktype1]
    ,[attacktype1_txt]
    ,[attacktype2]
    ,[attacktype2_txt]
    ,[attacktype3]
    ,[attacktype3_txt]
    ,[success]
    ,[suicide]
from [dbo].[.Original Global Terrorism data ]
```

Step 4, Check to see if any data transform and cleaning needed.

There are many Null values and empty values in the data table, and there are many columns in each data table with similar variable names, and some variable columns can be merged to reduce the occurrence of redundant data. When transforming and cleaning the data in the data table, I believe that the structure of the data table should be preserved as much as possible, because the variable names in each table have different meanings. However, depending on the actual need, it is also possible to combine some columns of data, as long as the data in these columns are of the same meaning. If the entire column contains Null or empty values, it is possible to remove the column, but if there are a small number of true values and a large number of Null values in each column, it is recommended not to delete the column. If find redundant rows in a table, the redundant rows can be deleted.

Conclusion

In this report, I explained the Global Terrorism Dataset which I selected for the project. And talked about the DBMS SQL Server 2019 which I selected and implemented to design and create the database. I also discussed that how I import the data from CSV file into the database. Then discussed the database schema design, tables design diagram, shows the relationship between the tables. How to create the tables, set up the primary key and foreign keys for the tables. How the data imported from the original data table into the new created data tables. And finally explain the data transform methods.

In the following pages, I listed the relevant appendix include:

- 1, Database Design Metadata Variables list.
- 2, SQL statements for creating the new tables.
- 3, SQL statements for importing data into the new tables.
- 4, The new Tables columns list.
- 5, Checking the imported data in the new created tables.

Appendix

1, Database Design Metadata Variables list.

Table 1, GTD ID and Date

GTD ID (eventid),
Year (iyear)
Month (imonth)
Day (iday)
Approximate Date(approxdate)
Extended Incident(extended)
Date of Extended Incident Resolution(resolution)

Table 2, Incident Information

Incident Summary(summary)
Inclusion Criteria (crit1, crit2, crit3)
Doubt Terrorism Proper(doubtterr)
Alternative Designation (alternative; alternative_txt)
Part of Multiple Incident(multiple)
Related Incidents(related)

Table 3, Incident Location

Country (country; country_txt)
Region (region; region_txt)
Province / Administrative Region /State(provstate)
City(city)
Vicinity(vicinity)
Location Description(location)
Latitude(latitude)
Longitude(longitude)
Geocoding Specificity(specificity)

Table 4, Attack Information

Attack Type(attacktype1; attacktype1_txt)
Second Attack Type(attacktype2; attacktype2_txt)
Third Attack Type(attacktype3; attacktype3_txt)
Successful Attack(success)
Suicide Attack(suicide)

Table 5, Weapon Information

Weapon Type(weaptype1; weaptype1_txt)
Weapon Sub-type(weapsubtype1; weapsubtype1_txt)
Second Weapon Type(weaptype2; weaptype2_txt)
Second Weapon Sub-Type(weapsubtype2; weapsubtype2_txt)
Third Weapon Type(weaptype3; weaptype3_txt)
Third Weapon Sub-Type(weapsubtype3; weapsubtype3_txt)
Fourth Weapon Type(weaptype4; weaptype4_txt)
Fourth Weapon Sub-Type(weapsubtype4; weapsubtype4_txt)
Weapon Details (weapdetail)

Table 6, Target/Victim Information

Target/Victim Type(targtype1; targtype1_txt)
Target/Victim Subtype(targsubtype1; targsubtype1_txt)
Name of Entity(corp1)
Specific Target/Victim(target1)
Nationality of Target/Victim(natlty1; natlty1_txt)
Second Target/Victim Type(targtype2; targtype2_txt)
Second Target/Victim Subtype(targsubtype2; targsubtype2_txt)
Name of Second Entity(corp2)
Second Specific Target/Victim(target2)
Nationality of Second Target/Victim(natlty2; natlty2_txt)
Third Target/Victim Type(targtype3; targtype3_txt)
Third Target/Victim Subtype(targsubtype3; targsubtype3_txt)
Name of Third Entity(corp3)
Third Specific Target/Victim(target3)

Nationality of Third Target/Victim(natlty3; natlty3_txt)

Table 7, Perpetrator Information

Perpetrator Group Name(gname)

Perpetrator Sub-Group Name(gsubname)

Second Perpetrator Group Name(gname2)

Second Perpetrator Sub-Group Name(gsubname2)

Third Perpetrator Group Name(gname3)

Third Perpetrator Sub-Group Name(gsubname3)

First Perpetrator Group Suspected/Unconfirmed(guncertain1)

Second Perpetrator Group Suspected/Unconfirmed(guncertain2)

Third Perpetrator Group Suspected/Unconfirmed(guncertain3)

Number of Perpetrators(nperps)

Number of Perpetrators Captured(nperpcap)

Claim of Responsibility(claimed)

Mode for Claim of Responsibility (claimmode; claimmode_txt)

Competing Claims of Responsibility(compclaim)

Second Group Claim of Responsibility(claim2)

Mode for Second Group Claim of Responsibility(claimmode2)

Third Group Claim of Responsibility(claim3)

Mode for Third Group Claim of Responsibility(claimmode3)

Motive(motive)

Table 8, Casualties and Consequences

Total Number of Fatalities(nkill)

Number of US Fatalities(nkillus)

Number of Perpetrator Fatalities(nkillter)

Total Number of Injured(nwound)

Number of U.S. Injured(nwoundus)

Number of Perpetrators Injured(nwoundte)

Property Damage(property)

Extent of Property Damage(propextent; propextent_txt)

Value of Property Damage (in USD) (propvalue)
Property Damage Comments(propcomment)
Hostages or Kidnapping Victims(ishostkid)
Total Number of Hostages/ Kidnapping Victims(nhostkid)
U.S. Hostages or Kidnapping Victims(ishostkidus)
Number of U.S. Hostages/ Kidnapping Victims(nhostkidus)
Hours of Kidnapping / Hostage Incident(nhours)
Days of Kidnapping / Hostage Incident(ndays)
Country That Kidnappers/Hijackers Diverted To(divert)
Country of Kidnapping/Hijacking Resolution(kidhijcountry)
Ransom Demanded(ransom)
Total Ransom Amount Demanded(ransomamt)
Ransom Demanded from U.S. Source(s) (ransomus)
Ransom Amount Demanded from U.S. Sources(ransomamtu)
Total Ransom Amount Paid(ransompaid)
Ransom Amount Paid By U.S. Sources(ransompaidus)
Ransom Notes(ransomnote)
Kidnapping/Hostage Outcome(hostkidoutcome; hostkidoutcome_txt)
Number Released/Escaped/Rescued(nreleased)

Table 9, Additional Information and Sources

Additional Notes(addnotes)
International- Logistical(INT_LOG)
International- Ideological(INT_IDEO)
International- Miscellaneous(INT_MISC)
International- Any of the above(INT_ANY)
First Source Citation(scite1)
Second Source Citation(scite2)
Third Source Citation(scite3)
Data Collection(dbsource)

Table 10, Global Terrorism Database Keys Table

Global Terrorism Data Key
Additional Information Key
Attack Information Key
Casualties and Consequences Key
GTD ID and Date Key
Incident Information Key
Incident Location Key
Perpetrator Information Key
Target Information Key
Weapon Information Key

2, SQL statements for creating the new tables

```
CREATE TABLE [dbo].[Global Terrorism Database Keys Table](
    [Global Terrorism Data Key] [int] IDENTITY(1,1) NOT NULL,
    [Additional Information Key] [int] NULL,
    [Attack Information Key] [int] NULL,
    [Casualties and Consequences Key] [int] NULL,
    [GTD ID and Date Key] [int] NULL,
    [Incident Information Key] [int] NULL,
    [Incident Location Key] [int] NULL,
    [Perpetrator Information Key] [int] NULL,
    [Target Information Key] [int] NULL,
    [Weapon Information Key] [int] NULL,
    CONSTRAINT [PK_Global Terrorism Database Keys Table] PRIMARY KEY CLUSTERED
)
(
    [Global Terrorism Data Key] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

CREATE TABLE [dbo].[Attack Information](
    [Attack Information Key] [int] IDENTITY(1,1) NOT NULL,
    [attacktype1] [nvarchar](max) NULL,
    [attacktype1_txt] [nvarchar](max) NULL,
    [attacktype2] [nvarchar](max) NULL,
    [attacktype2_txt] [nvarchar](max) NULL,
    [attacktype3] [nvarchar](max) NULL,
    [attacktype3_txt] [nvarchar](max) NULL,
    [success] [float] NULL,
    [suicide] [float] NULL,
    CONSTRAINT [PK_Attack Information] PRIMARY KEY CLUSTERED
)
(
    [Attack Information Key] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
GO
```

```

CREATE TABLE [dbo].[Casualties and Consequences](
    [Casualties and Consequences Key] [int] IDENTITY(1,1) NOT NULL,PTOP-D42RS3MD\zizhe (60)
    [nkill] [float] NULL,
    [nkillus] [nvarchar](max) NULL,
    [nkillter] [nvarchar](max) NULL,
    [nwound] [float] NULL,
    [nwoundus] [nvarchar](max) NULL,
    [nwoundte] [nvarchar](max) NULL,
    [property] [float] NULL,
    [propextent] [float] NULL,
    [propextent_txt] [nvarchar](max) NULL,
    [propvalue] [float] NULL,
    [propcomment] [nvarchar](max) NULL,
    [ishostkid] [float] NULL,
    [nhostkid] [nvarchar](max) NULL,
    [nhostkidus] [nvarchar](max) NULL,
    [nhours] [nvarchar](max) NULL,
    [ndays] [nvarchar](max) NULL,
    [divert] [nvarchar](max) NULL,
    [kidhijcountry] [nvarchar](max) NULL,
    [ransom] [float] NULL,
    [ransomamt] [nvarchar](max) NULL,
    [ransomamtus] [nvarchar](max) NULL,
    [ransompaid] [nvarchar](max) NULL,
    [ransompaidus] [nvarchar](max) NULL,
    [ransomnote] [nvarchar](max) NULL,
    [hostkidoutcome] [nvarchar](max) NULL,
    [hostkidoutcome_txt] [nvarchar](max) NULL,
    [nreleased] [nvarchar](max) NULL,
    CONSTRAINT [PK_Casualties and Consequences] PRIMARY KEY CLUSTERED
(
    [Casualties and Consequences Key] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
    OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]

```

```

CREATE TABLE [dbo].[Additional Information and Sources](
    [Additonal Infomation Key] [int] IDENTITY(1,1) NOT NULL,
    [addnotes] [nvarchar](max) NULL,
    [scite1] [nvarchar](max) NULL,
    [scite2] [nvarchar](max) NULL,
    [scite3] [nvarchar](max) NULL,
    [dbsource] [nvarchar](max) NULL,
    [INT_LOG] [float] NULL,
    [INT_IDEO] [float] NULL,
    [INT_MISC] [float] NULL,
    [INT_ANY] [float] NULL,
    CONSTRAINT [PK_Additional Information and Sources] PRIMARY KEY CLUSTERED
(
    [Additonal Infomation Key] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
    OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
GO

```

```

CREATE TABLE [dbo].[GTD_ID_and_Date](
    [GTD ID and Date Key] [int] IDENTITY(1,1) NOT NULL,
    [eventid] [float] NULL,
    [iyear] [float] NULL,
    [imonth] [float] NULL,
    [iday] [float] NULL,
    [approxdate] [nvarchar](max) NULL,
    [extended] [float] NULL,
    [resolution] [nvarchar](max) NULL,
    CONSTRAINT [PK_GTD ID and Date] PRIMARY KEY CLUSTERED
)
(
    [GTD ID and Date Key] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
GO

CREATE TABLE [dbo].[Incident_Information](
    [Incident Information Key] [int] IDENTITY(1,1) NOT NULL,
    [summary] [nvarchar](max) NULL,
    [crit1] [float] NULL,
    [crit2] [float] NULL,
    [crit3] [float] NULL,
    [doubtterr] [float] NULL,
    [alternative] [nvarchar](max) NULL,
    [alternative_txt] [nvarchar](max) NULL,
    [multiple] [float] NULL,
    [related] [nvarchar](max) NULL,
    CONSTRAINT [PK_Incident Information] PRIMARY KEY CLUSTERED
)
(
    [Incident Information Key] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
GO

CREATE TABLE [dbo].[Incident_Location](
    [Incident Location Key] [int] IDENTITY(1,1) NOT NULL,
    [country] [float] NULL,
    [country_txt] [nvarchar](max) NULL,
    [region] [float] NULL,
    [region_txt] [nvarchar](max) NULL,
    [provstate] [nvarchar](max) NULL,
    [city] [nvarchar](max) NULL,
    [vicinity] [float] NULL,
    [location] [nvarchar](max) NULL,
    [latitude] [float] NULL,
    [longitude] [float] NULL,
    [specificity] [float] NULL,
    CONSTRAINT [PK_Incident Location] PRIMARY KEY CLUSTERED
)
(
    [Incident Location Key] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
GO

```

```

CREATE TABLE [dbo].[Perpetrator Information](
    [Perpetrator Information Key] [int] IDENTITY(1,1) NOT NULL,
    [gname] [nvarchar](max) NULL,
    [gsubname] [nvarchar](max) NULL,
    [gname2] [nvarchar](max) NULL,
    [gsubname2] [nvarchar](max) NULL,
    [gname3] [nvarchar](max) NULL,
    [gsubname3] [nvarchar](max) NULL,
    [guncertain1] [float] NULL,
    [guncertain2] [nvarchar](max) NULL,
    [guncertain3] [nvarchar](max) NULL,
    [nperps] [nvarchar](max) NULL,
    [nperpcap] [nvarchar](max) NULL,
    [claimed] [nvarchar](max) NULL,
    [claimmode] [nvarchar](max) NULL,
    [claimmode_txt] [nvarchar](max) NULL,
    [compclaim] [nvarchar](max) NULL,
    [claim2] [nvarchar](max) NULL,
    [claimmode2] [nvarchar](max) NULL,
    [claimmode2_txt] [nvarchar](max) NULL,
    [claim3] [nvarchar](max) NULL,
    [claimmode3] [nvarchar](max) NULL,
    [claimmode3_txt] [nvarchar](max) NULL,
    [motive] [nvarchar](max) NULL,
    CONSTRAINT [PK_Perpetrator Information] PRIMARY KEY CLUSTERED
(
    [Perpetrator Information Key] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
GO

CREATE TABLE [dbo].[Weapon Information](
    [Weapon Information Key] [int] IDENTITY(1,1) NOT NULL,
    [weaptype1] [float] NULL,
    [weaptype1_txt] [nvarchar](max) NULL,
    [weapsubtype1] [float] NULL,
    [weapsubtype1_txt] [nvarchar](max) NULL,
    [weaptype2] [nvarchar](max) NULL,
    [weaptype2_txt] [nvarchar](max) NULL,
    [weapsubtype2] [nvarchar](max) NULL,
    [weapsubtype2_txt] [nvarchar](max) NULL,
    [weaptype3] [nvarchar](max) NULL,
    [weaptype3_txt] [nvarchar](max) NULL,
    [weapsubtype3] [nvarchar](max) NULL,
    [weapsubtype3_txt] [nvarchar](max) NULL,
    [weaptype4] [nvarchar](max) NULL,
    [weaptype4_txt] [nvarchar](max) NULL,
    [weapsubtype4] [nvarchar](max) NULL,
    [weapsubtype4_txt] [nvarchar](max) NULL,
    [weapdetail] [nvarchar](max) NULL,
    CONSTRAINT [PK_Weapon Information] PRIMARY KEY CLUSTERED
(
    [Weapon Information Key] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
GO

```

```

CREATE TABLE [dbo].[Target Information](
    [Target Information Key] [int] IDENTITY(1,1) NOT NULL,
    [targtype1] [float] NULL,
    [targtype1_txt] [nvarchar](max) NULL,
    [targsubtype1] [float] NULL,
    [targsubtype1_txt] [nvarchar](max) NULL,
    [corp1] [nvarchar](max) NULL,
    [target1] [nvarchar](max) NULL,
    [natlty1] [nvarchar](max) NULL,
    [natlty1_txt] [nvarchar](max) NULL,
    [targtype2] [nvarchar](max) NULL,
    [targtype2_txt] [nvarchar](max) NULL,
    [targsubtype2] [nvarchar](max) NULL,
    [targsubtype2_txt] [nvarchar](max) NULL,
    [corp2] [nvarchar](max) NULL,
    [target2] [nvarchar](max) NULL,
    [natlty2] [nvarchar](max) NULL,
    [natlty2_txt] [nvarchar](max) NULL,
    [targtype3] [nvarchar](max) NULL,
    [targtype3_txt] [nvarchar](max) NULL,
    [targsubtype3] [nvarchar](max) NULL,
    [targsubtype3_txt] [nvarchar](max) NULL,
    [corp3] [nvarchar](max) NULL,
    [target3] [nvarchar](max) NULL,
    [natlty3] [nvarchar](max) NULL,
    [natlty3_txt] [nvarchar](max) NULL,
    CONSTRAINT [PK_Target Information] PRIMARY KEY CLUSTERED
(
    [Target Information Key] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
GO

```

3, SQL statements for importing data into the new tables.

```

INSERT INTO [dbo].[Weapon Information]
([weaptype1],[weaptype1_txt],[weapsubtype1]
,[weaptype2]
,[weaptype2_txt]
,[weapsubtype2]
,[weapsubtype2_txt]
,[weaptype3]
,[weaptype3_txt]
,[weapsubtype3]
,[weapsubtype3_txt]
,[weaptype4]
,[weaptype4_txt]
,[weapsubtype4]
,[weapsubtype4_txt]
,[weapdetail])
select
[weaptype1],[weaptype1_txt],[weapsubtype1]
,[weapsubtype1_txt]
,[weaptype2]
,[weaptype2_txt]
,[weapsubtype2]
,[weapsubtype2_txt]
,[weaptype3]
,[weaptype3_txt]
,[weapsubtype3]
,[weapsubtype3_txt]
,[weaptype4]
,[weaptype4_txt]
,[weapsubtype4]
,[weapsubtype4_txt]
,[weapdetail]
from [dbo].[Original Global Terrorism data ]

```

```

    ↳ INSERT INTO [dbo].[Target Information]
        ([targtype1],[targtype1_txt],[targsubtype1]
        ,[targsubtype1_txt],[corp1],[target1]
        ,[natlty1],[natlty1_txt],[targtype2]
        ,[targtype2_txt],[targsubtype2]
        ,[targsubtype2_txt],[corp2]
        ,[target2],[natlty2]
        ,[natlty2_txt]
        ,[targtype3]
        ,[targtype3_txt]
        ,[targsubtype3]
        ,[targsubtype3_txt]
        ,[corp3]
        ,[target3]
        ,[natlty3]
        ,[natlty3_txt])
    select
        [targtype1],[targtype1_txt],[targsubtype1]
        ,[targsubtype1_txt],[corp1],[target1]
        ,[natlty1],[natlty1_txt],[targtype2]
        ,[targtype2_txt],[targsubtype2]
        ,[targsubtype2_txt],[corp2]
        ,[target2],[natlty2]
        ,[natlty2_txt]
        ,[targtype3]
        ,[targtype3_txt]
        ,[targsubtype3]
        ,[targsubtype3_txt]
        ,[corp3]
        ,[target3]
        ,[natlty3]
        ,[natlty3_txt]
    from [dbo].[.Original Global Terrorism data ]

    ↳ INSERT INTO [dbo].[Perpetrator Information]
        ([gname],[gsubname],[gname2],[gsubname2]
        ,[gname3],[gsubname3],[guncertain1]
        ,[guncertain2]
        ,[guncertain3]
        ,[nperps],[nperpcap],[claimed]
        ,[claimmode]
        ,[claimmode_txt]
        ,[compclaim]
        ,[claim2]
        ,[claimmode2]
        ,[claimmode2_txt]
        ,[claim3]
        ,[claimmode3]
        ,[claimmode3_txt]
        ,[motive])
    select
        [gname],[gsubname],[gname2],[gsubname2]
        ,[gname3],[gsubname3],[guncertain1]
        ,[guncertain2]
        ,[guncertain3]
        ,[nperps],[nperpcap],[claimed]
        ,[claimmode]
        ,[claimmode_txt]
        ,[compclaim]
        ,[claim2]
        ,[claimmode2]
        ,[claimmode2_txt]
        ,[claim3]
        ,[claimmode3]
        ,[claimmode3_txt]
        ,[motive]
    from [dbo].[.Original Global Terrorism data ]

```

```

[INSERT INTO [dbo].[Incident Location]
([country]
,[country_txt]
,[region]
,[region_txt]
,[provstate]
,[city]
,[vicinity]
,[location]
,[latitude]
,[longitude]
,[specificity])

select
[country]
,[country_txt]
,[region]
,[region_txt]
,[provstate]
,[city]
,[vicinity]
,[location]
,[latitude]
,[longitude]
,[specificity]
from [dbo].[Original Global Terrorism data ]]

[INSERT INTO [dbo].[Incident Information]
([summary]
,[crit1]
,[crit2]
,[crit3]
,[doubtterr]
,[alternative]
,[alternative_txt]
,[multiple]
,[related])

select
[summary]
,[crit1]
,[crit2]
,[crit3]
,[doubtterr]
,[alternative]
,[alternative_txt]
,[multiple]
,[related]
from [dbo].[Original Global Terrorism data ]

```

```

[INSERT INTO [dbo].[GTD ID and Date]
([eventid]
,[iyear]
,[imonth]
,[iday]
,[approxdate]
,[extended]
,[resolution])

select
[eventid],
[iyear],
[imonth],
[iday],
[approxdate],
[extended],
[resolution]
from [dbo].[Original Global Terrorism data ]

```

```

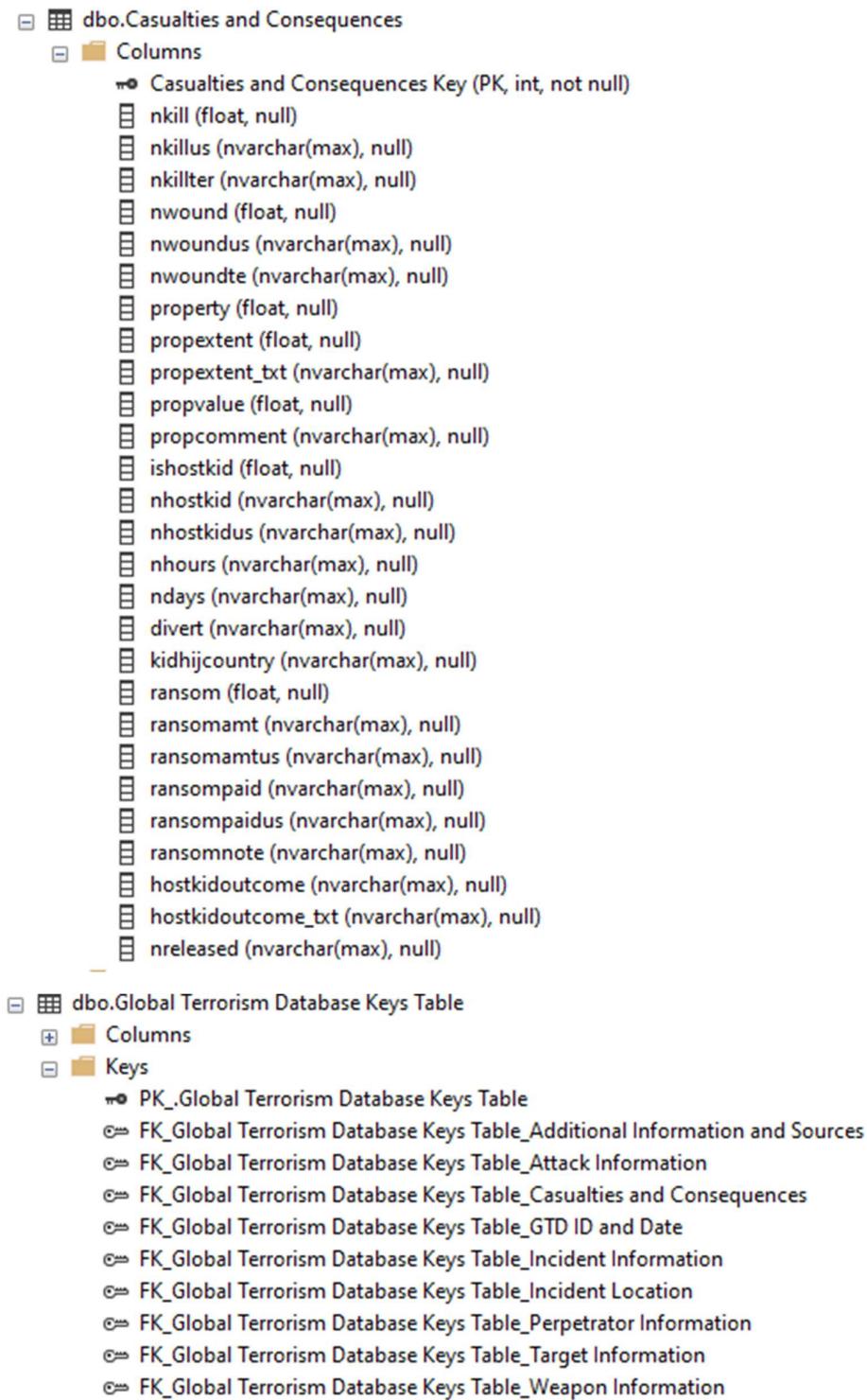
    ↳ INSERT INTO [dbo].[Casualties and Consequences]
        ([nkill] ,[nkillus]
        ,[nkillter],[nwound]
        ,[nwoundus],[nwoundte]
        ,[property],[propextent]
        ,[propextent_txt],[propvalue]
        ,[propcomment],[ishostkid]
        ,[nhostkid],[nhostkidus]
        ,[nhours],[ndays]
        ,[divert],[kidhijcountry]
        ,[ransom],[ransomamt]
        ,[ransomamtus]
        ,[ransompaid],[ransompaidus]
        ,[ransomnote],[hostkidoutcome]
        ,[hostkidoutcome_txt],[nreleased])
    select
        [nkill],[nkillus]
        ,[nkillter],[nwound]
        ,[nwoundus],[nwoundte]
        ,[property],[propextent]
        ,[propextent_txt],[propvalue]
        ,[propcomment],[ishostkid]
        ,[nhostkid],[nhostkidus]
        ,[nhours],[ndays]
        ,[divert],[kidhijcountry]
        ,[ransom],[ransomamt]
        ,[ransomamtus]
        ,[ransompaid],[ransompaidus]
        ,[ransomnote],[hostkidoutcome]
        ,[hostkidoutcome_txt], [nreleased]
    from [dbo].[Original Global Terrorism data ]

    ↳ INSERT INTO [dbo].[Attack Information]
        ([attacktype1]
        ,[attacktype1_txt]
        ,[attacktype2]
        ,[attacktype2_txt]
        ,[attacktype3]
        ,[attacktype3_txt]
        ,[success]
        ,[suicide])
    select
        [attacktype1]
        ,[attacktype1_txt]
        ,[attacktype2]
        ,[attacktype2_txt]
        ,[attacktype3]
        ,[attacktype3_txt]
        ,[success]
        ,[suicide]
    from [dbo].[Original Global Terrorism data ]

```

```
[INSERT INTO [dbo].[Additional Information and Sources]
    ([addnotes]
    ,[scite1]
    ,[scite2]
    ,[scite3]
    ,[dbsource]
    ,[INT_LOG]
    ,[INT_IDEO]
    ,[INT_MISC]
    ,[INT_ANY])
select
    [addnotes]
    ,[scite1]
    ,[scite2]
    ,[scite3]
    ,[dbsource]
    ,[INT_LOG]
    ,[INT_IDEO]
    ,[INT_MISC]
    ,[INT_ANY]
from [dbo].[Original Global Terrorism data ]
```

4, The new tables columns list.



	dbo.Perpetrator Information
	Columns
	• Perpetrator Information Key (PK, int, not null)
	□ gname (nvarchar(max), null)
	□ gsubname (nvarchar(max), null)
	□ gname2 (nvarchar(max), null)
	□ gsubname2 (nvarchar(max), null)
	□ gname3 (nvarchar(max), null)
	□ gsubname3 (nvarchar(max), null)
	□ guncertain1 (float, null)
	□ guncertain2 (nvarchar(max), null)
	□ guncertain3 (nvarchar(max), null)
	□ nperps (nvarchar(max), null)
	□ nperpcap (nvarchar(max), null)
	□ claimed (nvarchar(max), null)
	□ claimmode (nvarchar(max), null)
	□ claimmode_txt (nvarchar(max), null)
	□ compclaim (nvarchar(max), null)
	□ claim2 (nvarchar(max), null)
	□ claimmode2 (nvarchar(max), null)
	□ claimmode2_txt (nvarchar(max), null)
	□ claim3 (nvarchar(max), null)
	□ claimmode3 (nvarchar(max), null)
	□ claimmode3_txt (nvarchar(max), null)
	□ motive (nvarchar(max), null)
	...
	dbo.Weapon Information
	Columns
	• Weapon Information Key (PK, int, not null)
	□ weaptype1 (float, null)
	□ weaptype1_txt (nvarchar(max), null)
	□ weapsubtype1 (float, null)
	□ weapsubtype1_txt (nvarchar(max), null)
	□ weaptype2 (nvarchar(max), null)
	□ weaptype2_txt (nvarchar(max), null)
	□ weapsubtype2 (nvarchar(max), null)
	□ weapsubtype2_txt (nvarchar(max), null)
	□ weaptype3 (nvarchar(max), null)
	□ weaptype3_txt (nvarchar(max), null)
	□ weapsubtype3 (nvarchar(max), null)
	□ weapsubtype3_txt (nvarchar(max), null)
	□ weaptype4 (nvarchar(max), null)
	□ weaptype4_txt (nvarchar(max), null)
	□ weapsubtype4 (nvarchar(max), null)
	□ weapsubtype4_txt (nvarchar(max), null)
	□ weapdetail (nvarchar(max), null)

			dbo.Target Information
			Columns
			• Target Information Key (PK, int, not null)
			• targtype1 (float, null)
			• targtype1_txt (nvarchar(max), null)
			• targsubtype1 (float, null)
			• targsubtype1_txt (nvarchar(max), null)
			• corp1 (nvarchar(max), null)
			• target1 (nvarchar(max), null)
			• natlty1 (nvarchar(max), null)
			• natlty1_txt (nvarchar(max), null)
			• targtype2 (nvarchar(max), null)
			• targtype2_txt (nvarchar(max), null)
			• targsubtype2 (nvarchar(max), null)
			• targsubtype2_txt (nvarchar(max), null)
			• corp2 (nvarchar(max), null)
			• target2 (nvarchar(max), null)
			• natlty2 (nvarchar(max), null)
			• natlty2_txt (nvarchar(max), null)
			• targtype3 (nvarchar(max), null)
			• targtype3_txt (nvarchar(max), null)
			• targsubtype3 (nvarchar(max), null)
			• targsubtype3_txt (nvarchar(max), null)
			• corp3 (nvarchar(max), null)
			• target3 (nvarchar(max), null)
			• natlty3 (nvarchar(max), null)
			• natlty3_txt (nvarchar(max), null)

5, Checking the imported data in the new created tables.

```
SELECT *
FROM [Global Terrorism Database].[dbo].[Additional Information and Sources]
```

	Additional Infomation Key	addnotes	scite1	scite2	scite3	dbsource	INT_LOG	INT_IDEO	INT_MISC	INT_ANY
4...	428057	NULL	"Gu...	NULL	NULL	START...	0	0	0	0
4...	428058	Casualt...	"Af...	"Progr...	NULL	START...	-9	-9	0	-9
4...	428059	Casualt...	"Af...	"1st L...	"Six...	START...	0	0	0	0
4...	428060	NULL	"Pa...	"Ex-se...	NULL	START...	0	0	0	0
4...	428061	NULL	"Hi...	NULL	NULL	START...	-9	-9	0	-9
4...	428062	Casualt...	"La...	"14:30...	NULL	START...	-9	-9	0	-9
4...	428063	NULL	"Ira...	NULL	NULL	START...	-9	-9	0	-9
4...	428064	There i...	"Su...	"UPD...	"Gu...	START...	-9	-9	0	-9
4...	428065	NULL	"He...	NULL	NULL	START...	-9	-9	0	-9
4...	428066	Casualt...	"Isl...	"Bombi...	"Sin...	START...	-9	-9	0	-9
4...	428067	NULL	"Bo...	"Singa...	"Ca...	START...	-9	-9	0	-9
4...	428068	Casualt...	"Isl...	"Bombi...	"Sin...	START...	-9	-9	0	-9

Query executed successfully. | LAPTOP-D42RS3MD\INFO408PROJ... | LAPTOP-D42RS3MD\zizhe ... | Global Terrorism Database | 00:00:08 | 428,068 rows

```

SELECT *
FROM [Global Terrorism Database].[dbo].[Attack Information]

```

100 %

Results Messages

	Attack Information Key	attacktype1	attacktype1_txt	attacktype2	attacktype2_txt	attacktype3	attacktype3_txt	success	suicide
8...	80397	3	Bombing/Explosion	NULL	.	NULL	.	1	0
8...	80398	2	Armed Assault	NULL	.	NULL	.	1	0
8...	80399	3	Bombing/Explosion	NULL	.	NULL	.	1	0
8...	80400	2	Armed Assault	NULL	.	NULL	.	1	0
8...	80401	6	Hostage Taking (...)	5	Hostage Taki...	2	Armed Assault	1	0
8...	80402	1	Assassination	NULL	.	NULL	.	0	0
8...	80403	2	Armed Assault	NULL	.	NULL	.	1	0
8...	80404	9	Unknown	NULL	.	NULL	.	0	0
8...	80405	2	Armed Assault	7	Facility/Infras...	NULL	.	1	0
8...	80406	3	Bombing/Explosion	NULL	.	NULL	.	1	0
8...	80407	3	Bombing/Explosion	NULL	.	NULL	.	1	0
8...	80408	1	Assassination	NULL	.	NULL	.	0	0

Query executed successfully. | LAPTOP-D42RS3MD\INFO408PROJ... | LAPTOP-D42RS3MD\zizhe ... | Global Terrorism Database | 00:00:04 | 428,068 rows


```

SELECT *
FROM [Global Terrorism Database].[dbo].[Casualties and Consequences]

```

100 %

Results Messages

	Casualties and Consequences Key	nkill	nkillus	nkilfer	nwound	nwoundus	nwoundte	property	propextent	propextent_txt	propvalue	ishostkid	nhost
1...	16696	0	0	0	1	0	0	1	3	Minor (likely < \$1 million)	NULL	0	NUL
1...	16697	20	0	0	50	0	0	1	4	Unknown	-99	0	NUL
1...	16698	0	0	0	0	0	0	1	3	Minor (likely < \$1 million)	-99	0	NUL
1...	16699	12	0	0	NULL	0	0	-9	4	Unknown	-99	0	NUL
1...	16700	0	0	0	1	0	0	0	NULL	.	NULL	0	NUL
1...	16701	1	0	0	3	0	0	-9	NULL	.	NULL	0	NUL
1...	16702	0	0	0	23	0	0	1	4	Unknown	-99	0	NUL
1...	16703	5	0	1	18	0	0	-9	4	Unknown	-99	0	NUL
1...	16704	21	0	1	60	0	0	1	4	Unknown	-99	0	NUL
1...	16705	5	0	0	6	0	0	1	3	Minor (likely < \$1 million)	-99	0	NUL
1...	16706	1	0	1	3	0	0	1	3	Minor (likely < \$1 million)	-99	0	NUL

Query executed successfully. | LAPTOP-D42RS3MD\INFO408PROJ... | LAPTOP-D42RS3MD\zizhe ... | Global Terrorism Database | 00:00:07 | 428,068 rows

SQLQuery8.sql - LA...2RS3MD\zizhe (53)* ×

```
SELECT *
FROM [Global Terrorism Database].[dbo].[Incident Information]
```

100 %

Results Messages

	Incident Information Key	summary	crit1	crit2	crit3	doubtterr	alternative	alternative_txt	multiple	related
2...	212943	05/03...	1	1	1	0	NULL	.	0	NULL
2...	212944	05/03...	1	1	0	1	1	Insurgency/...	1	201505...
2...	212945	05/03...	1	1	0	1	1	Insurgency/...	1	201505...
2...	212946	05/03...	1	1	0	1	1	Insurgency/...	1	201505...
2...	212947	NULL	1	1	1	0	NULL	.	0	NULL
2...	212948	NULL	1	1	1	0	NULL	.	0	NULL
2...	212949	05/03...	1	1	0	1	1	Insurgency/...	1	201505...
2...	212950	05/03...	1	1	0	1	1	Insurgency/...	1	201505...
2...	212951	NULL	1	1	1	0	NULL	.	0	NULL
2...	212952	NULL	1	1	1	-9	NULL	.	1	1.99E+11
2...	212953	05/03...	1	1	0	1	1	Insurgency/...	1	201505...
2...	212954	05/03...	1	1	0	1	1	Insurgency/...	1	201505...

Query executed successfully. | LAPTOP-D42RS3MD\INFO408PROJ... | LAPTOP-D42RS3MD\zizhe ... | Global Terrorism Database | 00:00:07 | 428,068 rows

100 %

Results Messages

```
SELECT *
FROM [Global Terrorism Database].[dbo].[Original Global Terrorism data ]
```

ID	eventid	iyear	imonth	iday	approxdate	extended	resolution	country	country_txt	region	region_txt	provstate	city
9...	8000000000	2014	9	22	NULL	0	NULL	228	Yemen	10	Middle East & North Africa	Amanat ...	Sanaa
9...	8000000000	2014	9	22	NULL	0	NULL	205	Thailand	5	Southeast Asia	Narathiwat	Rueso
9...	8000000000	2014	9	19	NULL	0	NULL	205	Thailand	5	Southeast Asia	Yala	Muang Yal
9...	8000000000	2014	9	22	NULL	0	NULL	113	Libya	10	Middle East & North Africa	Dema	Dema
9...	999202000000	1992	2	20	NULL	0	NULL	186	Sri Lanka	6	South Asia	Northem	Jaffna distr
9...	8000000000	2014	9	22	NULL	0	NULL	113	Libya	10	Middle East & North Africa	Jabal Al ...	Beida
9...	8000000000	2014	9	22	NULL	0	NULL	113	Libya	10	Middle East & North Africa	Benghazi	Benghazi
9...	8000000000	2014	9	22	NULL	0	NULL	182	Somalia	11	Sub-Saharan Africa	Hiiraan	Bulbarde
9...	8000000000	2014	9	22	NULL	0	NULL	182	Somalia	11	Sub-Saharan Africa	Banaadir	Mogadishu
9...	8000000000	2014	9	22	NULL	0	NULL	182	Somalia	11	Sub-Saharan Africa	Bay	Goof Gadu
9...	8000000000	2014	9	22	NULL	0	NULL	182	Somalia	11	Sub-Saharan Africa	Banaadir	Mogadishu

Query executed successfully. | LAPTOP-D42RS3MD\INFO408PROJ... | LAPTOP-D42RS3MD\zizhe ... | Global Terrorism Database | 00:00:31 | 428,068 rows

```

SELECT *
FROM [Global Terrorism Database].[dbo].[Incident Location]

```

100 %

Results Messages

	Incident Location Key	country	country_txt	region	region_txt	provstate	city	vicinity	latitude	longitude	specificity
4...	423509	147	Nigeria	11	Sub-Saharan Africa	Borno	Baga	1	13.095122	13.818728	1
4...	423510	153	Pakistan	6	South Asia	Punjab	Bahawalpur	0	29.395721	71.683333	1
4...	423511	4	Afghanistan	6	South Asia	Kabul	Kabul	0	34.533333	69.166667	1
4...	423512	69	France	8	Western Europe	Provenc...	Berre L'Etang	0	43.475773	5.167309	1
4...	423513	69	France	8	Western Europe	Provenc...	Berre L'Etang	0	43.475773	5.167309	1
4...	423514	195	Sudan	11	Sub-Saharan Africa	North Da...	El Fashir	0	13.62698	25.349581	1
4...	423515	195	Sudan	11	Sub-Saharan Africa	North Da...	El Fashir	0	13.62698	25.349581	1
4...	423516	195	Sudan	11	Sub-Saharan Africa	North Da...	El Fashir	1	13.626323	25.351188	1
4...	423517	195	Sudan	11	Sub-Saharan Africa	North Da...	El Fashir	1	13.62698	25.349581	1
4...	423518	195	Sudan	11	Sub-Saharan Africa	North Da...	El Fashir district	0	13.62698	25.349581	3
4...	423519	195	Sudan	11	Sub-Saharan Africa	North Da...	Um Arda	0	13.997791	25.603476	1
4...	423520	113	Libya	10	Middle East & North Africa	Srite	Unknown	0	30.242052	16.987644	4

Query executed successfully. | LAPTOP-D42RS3MD\INFO408PROJ... | LAPTOP-D42RS3MD\zizhe ... | Global Terrorism Database | 00:00:18 | 1,284,204 rows

```

SELECT *
FROM [Global Terrorism Database].[dbo].[Perpetrator Information]

```

100 %

Results Messages

	Perpetrator Information Key	gname	gname2	guncertain1	guncertain2	nperps	npercap	claimed	claimmode	claimmode_txt	complaint
2...	290129	Gunmen	NULL	0	NULL	-99	0	0	NULL	.	NULL
2...	290130	Unaffiliated Individual(s)	NULL	0	NULL	1	0	1	8	Personal claim	0
2...	290131	Unknown	NULL	0	NULL	-99	0	0	NULL	.	NULL
2...	290132	Unknown	NULL	0	NULL	-99	0	0	NULL	.	NULL
2...	290133	Gunmen	NULL	0	NULL	-99	0	0	NULL	.	NULL
2...	290134	United Baloch Army (UBA)	NULL	0	NULL	-99	0	1	2	Call (post-in...	0
2...	290135	Militants	NULL	0	NULL	-99	0	0	NULL	.	NULL
2...	290136	Gunmen	NULL	0	NULL	-99	0	0	NULL	.	NULL
2...	290137	Unknown	NULL	0	NULL	-99	0	0	NULL	.	NULL
2...	290138	Unknown	NULL	0	NULL	-99	0	0	NULL	.	NULL
2...	290139	National Socialist Council of...	NULL	1	NULL	-99	0	0	NULL	.	NULL

Query executed successfully. | LAPTOP-D42RS3MD\INFO408PROJ... | LAPTOP-D42RS3MD\zizhe ... | Global Terrorism Database | 00:00:06 | 428,068 rows

```

SELECT *
FROM [Global Terrorism Database].[dbo].[Target Information]

```

100 %

Results Messages

Target Information Key	targtype1	targtype1_txt	targsubtype1	targsubtype1_txt	corp1	target1
1	7	Government (Diplomatic)	45	Diplomatic Personnel (outside of embassy, consul...	Commission for Human Rights & National	Res
2	2	Government (General)	18	Government Personnel (excluding police, military)	Govt	Res
3	2	Government (General)	15	Politician or Political Party Movement/Meeting/R...	Nationalist Party	Offic
4	16	Telecommunication	89	Television	NULL	Tekn
5	7	Government (Diplomatic)	47	International Organization (peacekeeper, aid age...	United Nations World Food Program	8 re
6	7	Government (Diplomatic)	47	International Organization (peacekeeper, aid age...	United Nations World Food Program	9 re
7	14	Private Citizens & Property	74	Marketplace/Plaza/Square	Government	Cav
8	1	Business	7	Retail/Grocery/Bakery	NULL	Joh
9	3	Police	25	Police Security Forces/Officers	Gendarmerie	Unif
10	14	Private Citizens & Property	82	Labor Union Related	Solidarity Civic Union	Offic
11	21	Utilities	107	Electricity	NULL	Higl

Query executed successfully. | LAPTOP-D42RS3MD\INFO408PROJ... | LAPTOP-D42RS3MD\zizhe ... | Global Terrorism Database | 00:00:08 | 428,068 rows

```

SELECT *
FROM [Global Terrorism Database].[dbo].[Weapon Information]

```

100 %

Results Messages

Weapon Information Key	weaptype1	weaptype1_txt	weapsubtype1	weapsubtype1_txt	weaptype2	weaptype2_txt	weapsubtype2	weapsubtype2_
7...	6	Explosives/Bombs/Dynamite	16	Unknown Explosive Type	NULL	.	NULL	.
7...	6	Explosives/Bombs/Dynamite	16	Unknown Explosive Type	NULL	.	NULL	.
7...	5	Firearms	4	Rifle/Shotgun (non-aut...	5	Firearms	4	Rifle/Shotgun (
7...	5	Firearms	4	Rifle/Shotgun (non-aut...	5	Firearms	4	Rifle/Shotgun (
7...	5	Firearms	4	Rifle/Shotgun (non-aut...	5	Firearms	4	Rifle/Shotgun (
7...	5	Firearms	4	Rifle/Shotgun (non-aut...	5	Firearms	4	Rifle/Shotgun (
7...	5	Firearms	4	Rifle/Shotgun (non-aut...	5	Firearms	4	Rifle/Shotgun (
7...	5	Firearms	2	Automatic Weapon	NULL	.	NULL	.
7...	5	Firearms	4	Rifle/Shotgun (non-aut...	5	Firearms	4	Rifle/Shotgun (
7...	5	Firearms	2	Automatic Weapon	NULL	.	NULL	.
7...	6	Explosives/Bombs/Dynamite	16	Unknown Explosive Type	NULL	.	NULL	.

Query executed successfully. | LAPTOP-D42RS3MD\INFO408PROJ... | LAPTOP-D42RS3MD\zizhe ... | Global Terrorism Database | 00:00:07 | 428,068 rows