

In [1]:

```
#Import Libraries

import math
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
```

In [2]:

```
#Load Data

df=pd.read_csv('D:\\Downloads\\globalterrorismdb_0718dist.csv')
df.head(10)
```

D:\Anaconda\lib\site-packages\IPython\core\interactiveshell.py:3165: DtypeWarning: Columns (4,6,31,33,61,62,63,76,79,90,92,94,96,114,115,121) have mixed types.Specify dtype option on import or set low_memory=False.

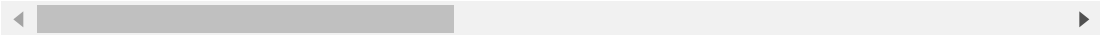
has_raised = await self.run_ast_nodes(code_ast.body, cell_name,

Out[2]:

	eventid	iyear	imonth	iday	approxdate	extended	resolution	country	countr
0	197000000001	1970	7	2	NaN	0	NaN	58	Domi Rep
1	197000000002	1970	0	0	NaN	0	NaN	130	M
2	197001000001	1970	1	0	NaN	0	NaN	160	Philip
3	197001000002	1970	1	0	NaN	0	NaN	78	G
4	197001000003	1970	1	0	NaN	0	NaN	101	J
5	197001010002	1970	1	1	NaN	0	NaN	217	U S
6	197001020001	1970	1	2	NaN	0	NaN	218	Uru

7	197001020002	1970	1	2	NaN	0	NaN	217	U
8	197001020003	1970	1	2	NaN	0	NaN	217	U
9	197001030001	1970	1	3	NaN	0	NaN	217	U

10 rows × 135 columns



In [3]:

df.shape

Out[3]: (181691, 135)

In [4]:

df.info()

<class 'pandas.core.frame.DataFrame'>
RangeIndex: 181691 entries, 0 to 181690
Columns: 135 entries, eventid to related
dtypes: float64(55), int64(22), object(58)
memory usage: 187.1+ MB

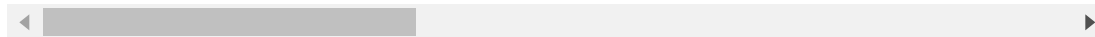
In [5]:

df.corr()

	eventid	iyear	imonth	iday	extended	country	region	lat
eventid	1.000000	0.999996	0.002706	0.018336	0.091761	-0.135039	0.401371	0.10
iyear	0.999996	1.000000	0.000139	0.018254	0.091754	-0.135023	0.401384	0.10
imonth	0.002706	0.000139	1.000000	0.005497	-0.000468	-0.006305	-0.002999	-0.0

iday	0.018336	0.018254	0.005497	1.000000	-0.004700	0.003468	0.009710	0.00
extended	0.091761	0.091754	-0.000468	-0.004700	1.000000	-0.020466	0.038389	-0.00
...
nreleased	-0.181612	-0.181556	-0.011535	0.001765	-0.192155	-0.044331	-0.149511	0.00
INT_LOG	-0.143600	-0.143601	-0.002302	-0.001540	0.071768	0.069904	-0.082584	-0.00
INT_IDEO	-0.133252	-0.133253	-0.002034	-0.001621	0.075147	0.067564	-0.071917	-0.00
INT_MISC	-0.077852	-0.077847	-0.002554	-0.002027	0.027335	0.207281	0.043139	0.00
INT_ANY	-0.175605	-0.175596	-0.006336	-0.001199	0.080767	0.153118	-0.047900	-0.00

77 rows × 77 columns



In [6]: `df.columns`

Out[6]: Index(['eventid', 'iyear', 'imonth', 'iday', 'approxdate', 'extended',
'resolution', 'country', 'country_txt', 'region',
...,
'addnotes', 'scite1', 'scite2', 'scite3', 'dbsource', 'INT_LOG',
'INT_IDEO', 'INT_MISC', 'INT_ANY', 'related'],
dtype='object', length=135)

In [7]: `df.rename(columns={'iyear':'Year','imonth':'Month','iday':'Day','country_txt':'Country','region_txt':'Region','attacktype1_txt':'AttackType','nwound':'No.of.Wounded','gname':'Gang','targtype1_txt':'Target_type','weaptype1_txt':'Weapon_type','motive':'Motive'},inplace=True)`

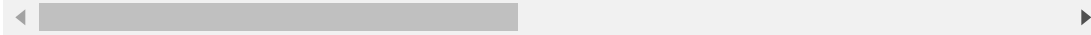
In [8]: `df=df[['Year','Month','Day','Country','state','Region','city','latitude','longitude','No.of.Wounded','Targeted','Gang','Target_type','Weapon_type','Motive']]`

In [9]: `df.head()`

Out[9]:

Year	Month	Day	Country	state	Region	city	latitude	longitude
2012	12	28	Dominican Republic		Central America	San Juan	18.4663	-70.0491

0	1970	7	2	Dominican Republic	NaN	America & Caribbean	Santo Domingo	18.456792	-69.951164	
1	1970	0	0	Mexico	Federal	North America	Mexico city	19.371887	-99.086624	
2	1970	1	0	Philippines	Tarlac	Southeast Asia	Unknown	15.478598	120.599741	
3	1970	1	0	Greece	Attica	Western Europe	Athens	37.997490	23.762728	
4	1970	1	0	Japan	Fukouka	East Asia	Fukouka	33.580412	130.396361	F



In [10]: `df.isnull().sum()`

```
Out[10]: Year          0
Month            0
Day              0
Country          0
state           421
Region          0
city            434
latitude        4556
longitude       4557
AttackType       0
No.of.Kill      10313
No.of.Wounded   16311
Targeted        636
Gang             0
Target_type     0
Weapon_type     0
Motive         131130
dtype: int64
```

In [11]: `df.info()`

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 181691 entries, 0 to 181690
Data columns (total 17 columns):
```

#	Column	Non-Null Count	Dtype
0	Year	181691 non-null	int64
1	Month	181691 non-null	int64
2	Day	181691 non-null	int64
3	Country	181691 non-null	object
4	state	181270 non-null	object
5	Region	181691 non-null	object
6	city	181257 non-null	object
7	latitude	177135 non-null	float64
8	longitude	177134 non-null	float64
9	AttackType	181691 non-null	object
10	No.of.Kill	171378 non-null	float64
11	No.of.Wounded	165380 non-null	float64
12	Targeted	181055 non-null	object
13	Gang	181691 non-null	object
14	Target_type	181691 non-null	object
15	Weapon_type	181691 non-null	object
16	Motive	50561 non-null	object

dtypes: float64(4), int64(3), object(10)
memory usage: 23.6+ MB

In [12]:

```
#Most Attacked Country
```

```
print("Most Attacked Country:",df["Country"].value_counts().idxmax())
```

Most Attacked Country: Iraq

In [13]:

```
df[['city']].value_counts()
```

Out[13]:

```
city
Unknown      9775
Baghdad      7589
Karachi      2652
Lima         2359
Mosul        2265
...
Jalle         1
Jall al-Dieb  1
Jalka Mela    1
Jaljala       1
zinarag       1
Length: 36674, dtype: int64
```

```
In [14]: #Most Attacked City

print("Most Attacked City:",df["city"].value_counts().index[1])
```

Most Attacked City: Baghdad

```
In [15]: #Most Attacked Region

print("Most Attacked Region:",df["Region"].value_counts().idxmax())
```

Most Attacked Region: Middle East & North Africa

```
In [16]: df[['Gang']].value_counts()
```

```
Out[16]: Gang
Unknown                82782
Taliban                7478
Islamic State of Iraq and the Levant (ISIL)    5613
Shining Path (SL)      4555
Farabundo Marti National Liberation Front (FMLN) 3351
...
Jaish al-Muhajireen wal-Ansar (Muhajireen Army) 1
Jaish al-Islam (Libya)                          1
Jaish Tahkim al-Din                             1
Jaish Al-Umma (Army of the Nation)               1
leftist guerrillas-Bolivarian militia           1
Length: 3537, dtype: int64
```

```
In [17]: #Most Attacked Gang

print("Most Attacked Gang:",df['Gang'].value_counts().index[1])
```

Most Attacked Gang: Taliban

```
In [18]: killData = df.loc[:, 'No.of.Kill']
print('Number of people killed by terror attack:', int(sum(killData.dropna()
```

Number of people killed by terror attack: 411868

```
In [19]: countryData = df.loc[:, 'Country']
# countryData
```

```
// countryData
countryKillData = pd.concat([countryData, killData], axis=1)
```

```
In [20]: countryKillFormatData = countryKillData.pivot_table(columns='Country', value
countryKillFormatData
```

```
Out[20]:
```

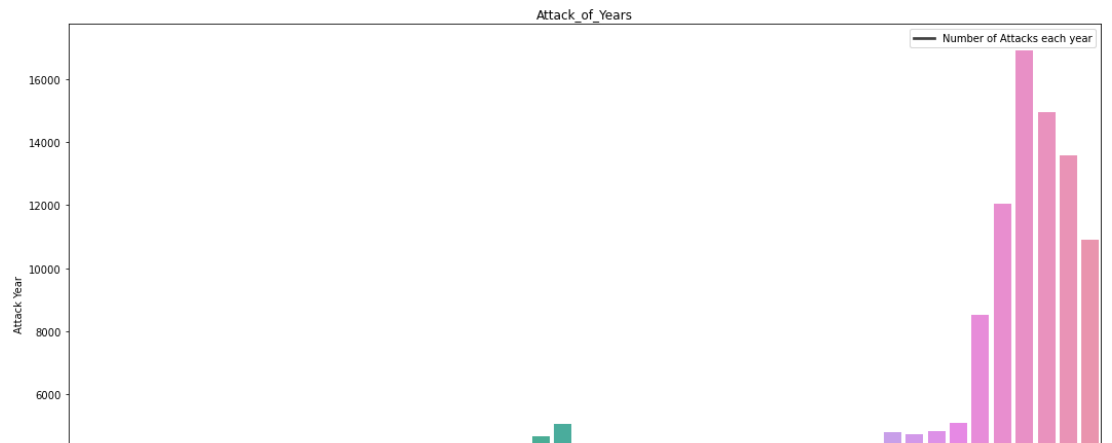
	Country	Afghanistan	Albania	Algeria	Andorra	Angola	Antigua and Barbuda	Argentina	Armenia
No.of.Kill		39384.0	42.0	11066.0	0.0	3043.0	0.0	490.0	37.0

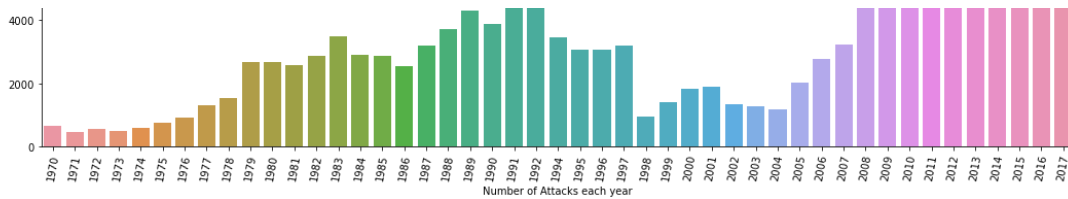
1 rows × 205 columns



```
In [20]: m= df['Year'].value_counts(dropna = False).sort_index()
n = df['Year'].unique()
plt.figure(figsize = (18,10))
sns.barplot(x = n,y =m)
plt.xticks(rotation = 80)
plt.ylabel('Attack Year')
plt.legend(labels = ['Number of Attacks each year'])
plt.xlabel('Number of Attacks each year')
plt.title('Attack_of_Years')
```

```
Out[20]: Text(0.5, 1.0, 'Attack_of_Years')
```

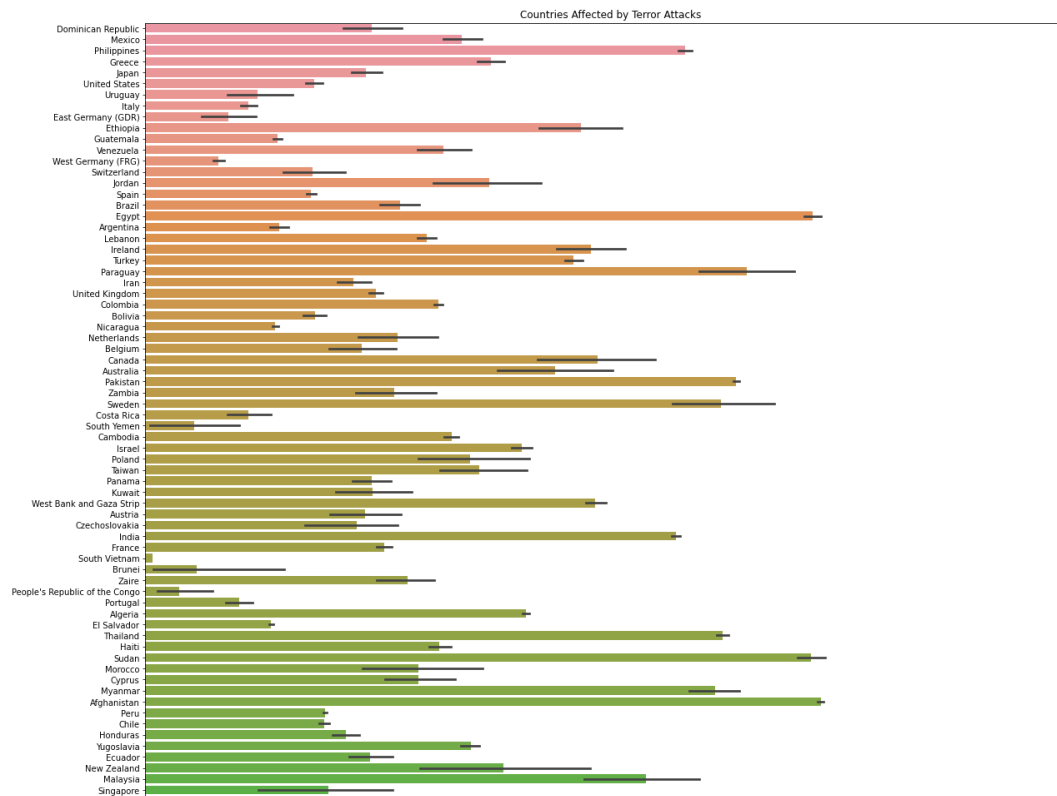




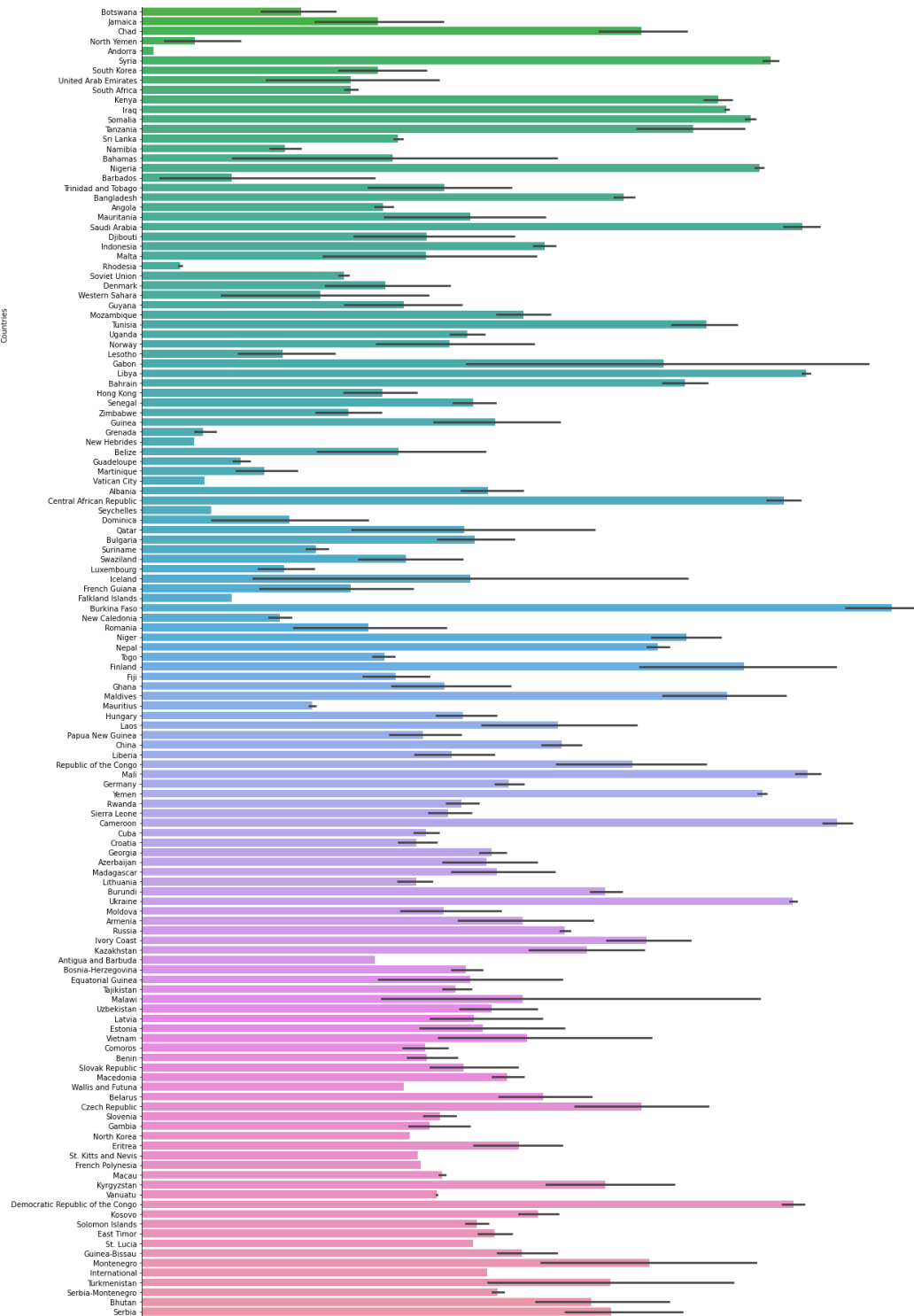
```
In [21]: plt.subplots(figsize=(20,50))
sns.barplot(df['Country'].index,df['Country'].values)
plt.title('Countries Affected by Terror Attacks')
plt.ylabel('Countries')
plt.xlabel('Count')
plt.xticks(rotation= 90)
plt.show()
```

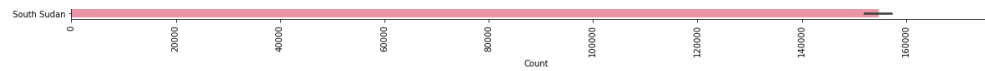
D:\Anaconda\lib\site-packages\seaborn_decorators.py:36: FutureWarning: Pass the following variables as keyword args: x, y. From version 0.12, the only valid positional argument will be `data`, and passing other arguments without an explicit keyword will result in an error or misinterpretation.

warnings.warn(

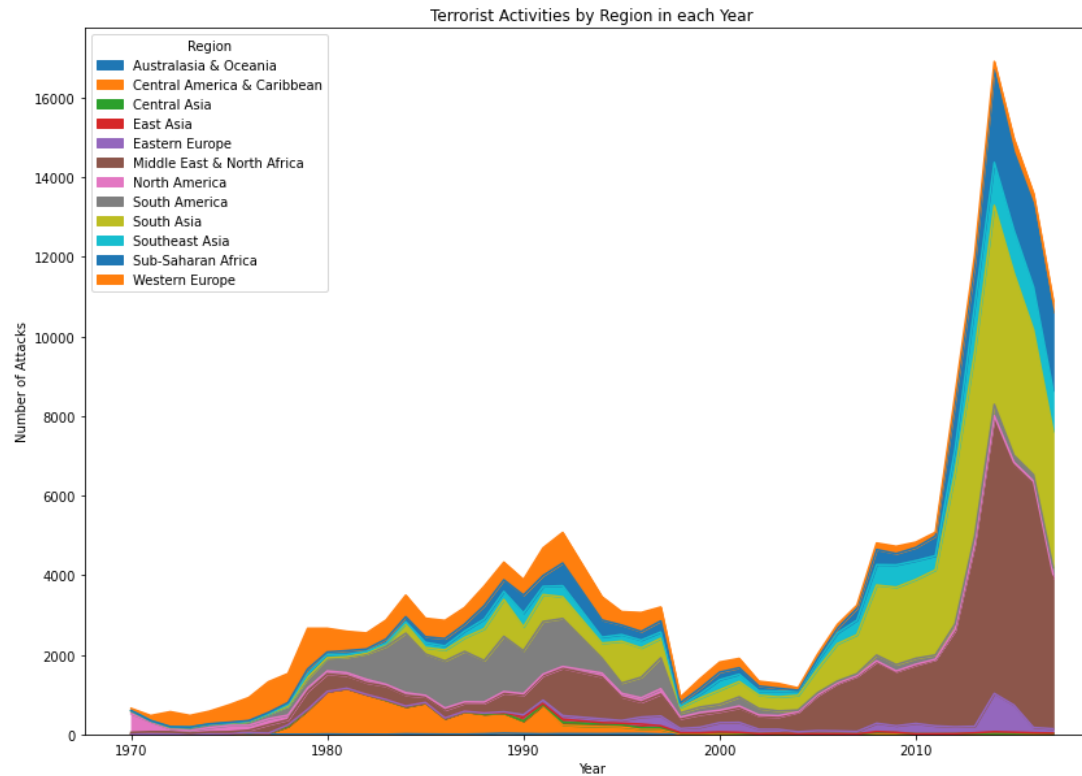


Countries





```
In [22]: pd.crosstab(df.Year, df.Region).plot(kind="area", figsize=(14,10))
plt.title('Terrorist Activities by Region in each Year')
plt.ylabel('Number of Attacks')
plt.show()
```



```
In [23]: df.Country.value_counts()[:10]
```

```
Out[23]: Iraq                24636
Pakistan            14368
Afghanistan         12731
India               11960
Colombia            8306
Philippines         6908
Peru               6096
El Salvador         5320
United Kingdom      5235
```

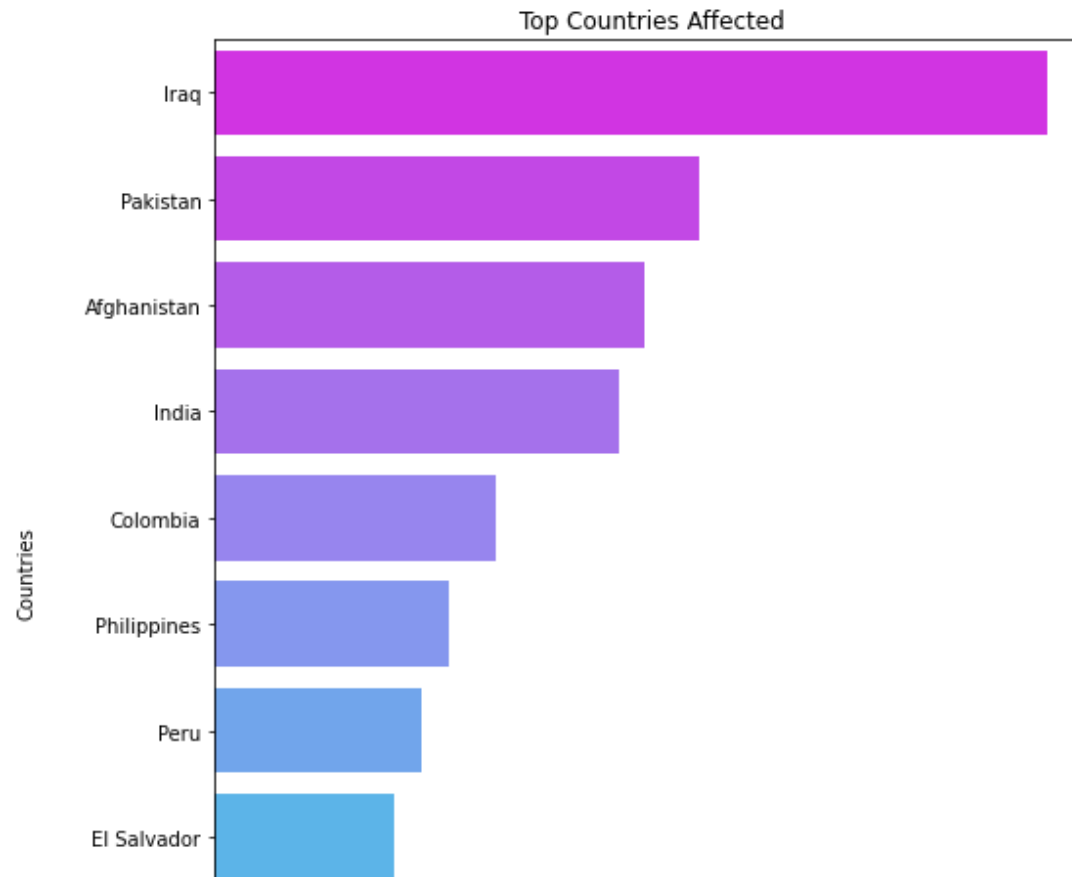
```
-----
Turkey          4292
Name: Country, dtype: int64
```

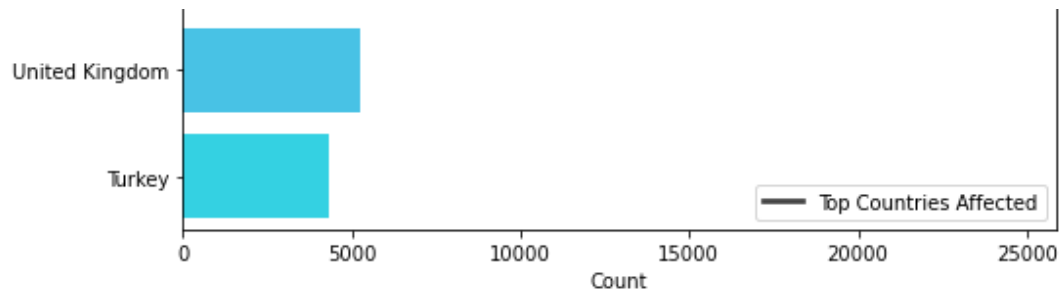
In [24]:

```
plt.subplots(figsize=(8,10))
sns.barplot(df['Country'].value_counts()[:10].values,df['Country'].value_co
plt.title('Top Countries Affected')
plt.xlabel('Count')
plt.ylabel('Countries')
plt.legend(labels = ['Top Countries Affected'])
plt.xticks(rotation= 0)
plt.show()
```

D:\Anaconda\lib\site-packages\seaborn_decorators.py:36: FutureWarning: Pass the following variables as keyword args: x, y. From version 0.12, the only valid positional argument will be `data`, and passing other arguments without an explicit keyword will result in an error or misinterpretation.

```
warnings.warn(
```





```
In [25]: df.Gang.value_counts()[1:5]
```

```
Out[25]: Taliban                7478
Islamic State of Iraq and the Levant (ISIL)    5613
Shining Path (SL)                4555
Farabundo Marti National Liberation Front (FMLN)  3351
Name: Gang, dtype: int64
```

```
In [26]: GangMost1 = df[df.Gang.isin(['Taliban'])]
GangMost1.Country.unique()
```

```
Out[26]: array(['Afghanistan', 'Pakistan', 'Turkmenistan'], dtype=object)
```

```
In [27]: GangMost1.Region.unique()
```

```
Out[27]: array(['South Asia', 'Central Asia'], dtype=object)
```

```
In [28]: GangMost1.city.unique()
```

```
Out[28]: array(['Unknown', 'Kandahar', 'Kabul', ..., 'Ibrahim Khel',
'Pad Khwabi Shanah', 'Hayatah'], dtype=object)
```

```
In [29]: GangMost2 = df[df.Gang.isin(['Islamic State of Iraq and the Levant (ISIL)'])]
GangMost2.Country.unique()
```

```
Out[29]: array(['Syria', 'Iraq', 'Turkey', 'Tunisia', 'Lebanon', 'Israel',
'Belgium', 'Egypt', 'Libya', 'Saudi Arabia',
'West Bank and Gaza Strip', 'France', 'Bahrain', 'Jordan',
'Somalia', 'Germany', 'Yemen', 'Philippines', 'Malaysia',
'Indonesia', 'Russia', 'Georgia', 'United Kingdom', 'Iran',
'Australia'], dtype=object)
```

```
Australia'], dtype=object)
```

```
In [30]: GangMost2.Region.unique()
```

```
Out[30]: array(['Middle East & North Africa', 'Western Europe',  
            'Sub-Saharan Africa', 'Southeast Asia', 'Eastern Europe',  
            'Central Asia', 'Australasia & Oceania'], dtype=object)
```

```
In [31]: GangMost2.city.unique()
```

```
Out[31]: array(['Atmeh', 'Baghdad', 'Latifiyah', 'Mahmudiyah', 'Samarra',  
               'Reyhanli', 'Mosul', 'Unknown', 'Madain', 'Jisr Diyala',  
               'Saba al-Bor', 'Tal Afar', 'Taji', 'Karma', 'Al-Jadidah',  
               'Himreen', 'Al-Adheim', 'Jabalalah', 'Kut', 'Basra', 'Nasiriyah',  
               'Najaf', 'Tuz Khormato', 'Mahawil', 'Arbil', 'Shirqat', 'Fallujah',  
               'Hadhar', 'Athba', 'Nahrawan', 'Tikrit', 'Dujail', 'Sabboura',  
               'Muqdadiyah', 'Baqubah', 'Abu Ghraib', 'Amarah', 'Samawah',  
               'Jurf al-Sakhar', 'Karbala', 'Musayyib', 'Baiji', 'Sulayman Beg',  
               'Tunis', 'Damascus', 'Rabia', 'Anah', 'Yathrib',  
               'Amiriyat Al-Fallujah', 'Raqqah', 'Qamishli', 'Aleppo',  
               'Mannagh Air Base', 'Husseiniyah', 'Al-Zubeidiyah', 'Kirkuk',  
               'Al-Madaen', 'Tarmiyah', 'Sejou', 'Hamah', 'Hillah',  
               'Iskandariyah', 'Al-Debis', 'Buhriz', 'Tal Abyad', 'Hawijah',  
               'Qabak', 'Hawijah district', 'Saraqib', 'Mandali', 'Abu Sayda',  
               'Alam', 'Diwaniyah', 'Nabak', 'Deir Attiyeh', 'Siniyah',  
               'Mashahdah', 'Al-Hussainiyah', 'Radhwaniyah', 'Anah district',  
               'Makhmur district', 'Khalis', 'Dibis district', 'Dana',  
               'Kafr Nabl', 'Albu-Hashmah', 'Ramadi', 'Balad Ruz',  
               'Hammam al-Alil', 'Haret Hraik', 'Bab', 'Bubali', 'Jarabulus',  
               'Barrawi', 'Arsal', 'Baalbek', 'Qayyarah', 'Homs', 'Al-Rai',  
               'Saqlawiyah', 'Alieh', 'Abu Karmah', 'Riyadh', 'Haswah',  
               'Bab al-Hawa', 'Abd Wayis', 'Salameh', 'Dalim',  
               'Imam Weis district', 'Tal Marouf', 'Britel', 'Khalidiyah',  
               'Labweh', 'Mushahidah', 'Nabi Othman', 'Darawish al-Arabi',  
               'Qadir Karam', 'Zaidan', 'Hafriyah', 'Majdal Shams', 'Ishaqi',  
               'Uluksila', 'Injana', 'Baiji district', 'Dibis',  
               'Jurf al-Sakhar district', 'Daquq district',  
               'Al-Numaniyah district', 'Aziziyah', 'Adayah',  
               'Balad Ruz district', 'Salamiyah', 'Rumaythah', 'Manbij',  
               'Khanag'in', 'Albu Ajil', 'Sadiyah', 'Radwanayah', 'Ayn al-Jahesh',  
               'Futuh', 'Al-Baghdadi', 'Karamah', 'Rashidiyah', 'Hanbas',  
               'Brussels', 'Khazraj', 'Zab', 'Ras al-Ain', 'Qabasin', 'Al-Ali',  
               'Huraki', 'Khasham', 'Jalawla', 'Badush', 'Wadi al-Naft',  
               'Dhuluiya', 'Sinjar', 'Mayadin', 'Sejar', 'Huwayij', 'Bashir',  
               'Brawchi', 'Karanaz', 'Chardaghli', 'Dawr district', 'Pirwaili']
```

'Qaim', 'Imam Weis', 'Rawah', 'Rutbah', 'Waleed', 'Hashimiyah',
'Sharikhan', 'Qubah', 'Mansouriyah', 'Duma', 'Deir Hafir',
'Aythah', 'Khadranayah', 'Hurayah', 'Taza Khurmatu', 'Yusufiyah',
'Qarah Tapah', 'Sharawin', 'Qaryat al-Bazul', 'Hay al-Sinai',
'Deir ez-Zor district', 'Tal Afar district', 'Sindi',
'Hay al-Wihdah', 'Sus', 'Al-Sadan', 'Istanbul', 'Hadithah',
'Hasakah', 'Nawfal', 'Tatran', 'Azim', 'Tawakul', 'Al-Sadiyah',
'Tel al-Ward', 'Amrali', 'Tabqah', 'Palmyra district', 'Bakhdida',
'Dira Dijlah', 'Sinjar district', 'Shirqat district', 'Asyud',
'Zummar', 'Maydan', 'Barwana', 'Rawiyah', 'El-Dabaa', 'Huri',
'Sasla', 'Hamidhiyah', 'Arab Jabur', 'Kendal', 'Bir Kino',
'Kuberlak', 'Hewlik', 'Kushkar', 'Hashashu', 'Hariyah',
'Samarra district', 'Sayed Ahmad', 'Kojo', 'Jamahir', 'Kashkul',
'As Santah', 'Albu Jawari', 'Marea', 'Bajawan', 'Tilkef district',
'Babirah', 'Hit', 'Awjah', 'Abasiyah', 'Muhassan', 'Jadeed Akidat',
'Fadiliyah', 'Muatasim', 'Shoula', 'Amiriyat al-Fallujah',
'Tal Ali', 'Zawiyah', 'Ranji', 'Istirahat al-Nawwar', 'Rashad',
'Tuz Khormato district', 'Jumasah', 'Asdirah', 'Kobani', 'Makhtar',
'Hamdaniyah district', 'Albu Hasan', 'Kursi', 'Sansal', 'Babilan',
'Albu Jasim', 'Jabur', 'Albu Ayshah', 'Suruc', 'Kobashi', 'Daquq',
'Wadi Hmeid', 'Adhaim', 'Rabiah', 'Hit district', 'Mansuriyah',
'Baaj', 'Nujanah', 'Zalayah', 'Az-Zab', 'Albu Rishah', 'Shakur',
'Sayid Gharib', 'Mursitpinar', 'Qara Tapa', 'Al-Wind', 'Furat',
'Hawz', 'Hay al-Iskan', 'Albu Tamah', 'Albu Kamal', 'Al-Zawiyah',
'Shaer', 'Diriyah', 'Al-Fathah', 'Ramadi district', 'Al-Dalwah',
'Bawiyah', 'Khanukah', 'Balad', 'Majjaj', 'Albu Faraj', 'Khanasah',
'Sajariyah', 'Kolath', 'Deir ez-Zor', 'Shubayjah', 'Balad district',
'Walid', 'Ayn Mana', 'Al-Malihah', 'Jafrah', 'Baldagh', 'Sudayrah',
'Mukashafah', 'Kirkuk district', 'Wafa', 'Al-Abbasi',
'Rashad district', 'Kabarah', 'Falahat', 'Hadithah district',
'Albu Ayfan', 'Hatimiyah', 'Dawr', 'As-Safirah', 'Furqlus',
'Fallujah district', 'Tayaran', 'Shajarah', 'Gharib',
'Tikrit district', 'Kanazah', 'Kilu Miat wa Sittin', 'Rubaydah',
'Kabbah', 'Al-Kuthahiyah', 'As Sadid', 'Muqdadiyah district',
'Suwayf', 'Jubah', 'Mariam Bek', 'Maskanah', 'Qatmah', 'Kuwayr',
'Sultan Abdullah', 'Abu al-Duhan', 'Abbasi', 'Huran', 'Sawran',
'Thallajin', 'Ras Baalbek', 'Nuran', 'Barwanat al-Kabira', 'Safra',
'Tall al-Warad', 'Nukhayb', 'Mullah Abdullah', 'Al-Khabbaz',
'Gaza', 'Abu Ghraib district', 'Nuseirat', 'Hajjaj', 'An Nahrawan',
'Jarallah', 'Al-Muthanna', 'Al-Khasfah', 'Tall Ar Rim',
'Albu Hayat', 'Khalis district', 'Al-Hasakah district',
'Rutbah district', 'Vaddahiyeh', 'Sheikh Muhammad', 'Makhazin',
'Al-Muaibidi', 'Nimrud', 'Trebiel', 'Hatra', 'Tall Tamr', 'Jaarah',
'Khorsabad', 'Bismaya', 'Khirbat Tiyas', 'Sheikh Hilal',
'Tal Saquf', 'Palmyra', 'Albu Ghanim', 'Shorah', 'Mabouja',

'Kanaan', 'Tall Nasri', 'Hawar Kilis', 'Umm Tababir', 'Khalkhalah',
'Shamsiyah', 'Mazrah', 'Sufiyah', 'Albu Khalifah', 'Sor',
'Rasheed', 'Albu Souda', 'Aritis', 'Tharthar', 'Khanaqin district',
'Tabaj', 'Subayhat', 'Kuwayris', 'Satih', 'As Sawaid',
'Al-Hayakil', 'Al-Iyadhiyah', 'Hardan', 'Al-Atshanah', 'Bawi',
'Sukhnah', 'Amiryeh', 'Hulayhilah', 'Adana', 'Mersin', 'Haqaf',
'Husaybah', 'Al-Madiq', 'Qaryatayn', 'Azaz', 'Ismail Beg',
'Diyarbakir', 'Habbaniyah', 'Qaim district', 'Mazraha', 'Kasrah',
'An Nada', 'Rahaliyah', 'Jeb al-Jarrah', 'Barkh Butan', 'Aalos',
'Tall Abyad', 'Arihah', 'Bashiqah', 'Mujamaa al-Shahid',
'Haqlaniyah', 'Murrah', 'Ain Issa', 'Tall Abu Jarad', 'At Tifur',
'Jihar', 'Albu Hazim', 'Gavara', 'Bani Saad', 'Al-Hitawiyin',
'Hadid', 'Tarmiyah district', 'Al-Bazul', 'Aski', 'Sarin',
'Ad Dur', 'Harijiyah', 'Baaj district', 'Tiyas', 'Huwaydir',
'Asenbul', 'Al-Eion', 'Hawar al-Nahr', 'Khubaz', 'Albu Tumah',
'Albu Aythah', 'Huwaysh', 'Arras', 'Shawuk', 'Qarbat Albu Hayyat',
'Jeddah', 'Qulana', 'Tirkit district', 'Tall Rifat', 'Kilis',
'Buqayq', 'Humayrah', 'Al-Abbarah', 'Al-Shamli', 'Harariyat',
'Kubaybah', 'Al-Zubair district', 'Haritan', 'Ankara', 'Hamala',
'Damistan', 'Ash Sharif Abbas', 'Al-Fhilat', 'Sanliurfa', 'Mahin',
'Al-Khatuniya', 'Kabba', 'Al-Houl', 'Al-Haydan', 'Bishari',
'Muwaqqar', 'Albu Haya', 'Al-Kubayshat', 'Al-Azayziyah',
'Bourj Brajneh', 'Saint Denis', 'Paris', 'Oguzeli district',
'Kasik', 'Al-Jazirah', 'Albu Diab', 'Al-Salam', 'Tall Aran',
'Qani', 'Hayy Aqsu', 'Al-Hanshi', 'Al-Wailiyah', 'Albu Ubayd',
'Tuulo Barwaqo', 'Duwayzat', 'Idlib', 'Albu Hawa', 'Al-Khazer',
'Dumez Sinjar', 'Umran', 'Gaziantep', 'Tawakol', 'Al-Layn',
'Makhmur', 'Al-Sherka', 'Hayy al-Jamiah', 'Munshaat al-Muthanna',
'Tal Masud', 'Shaut', 'Haot', 'As Salam', 'Jadidat ash Shatt',
'Shaha Ali', 'Tall Kusaybah', 'Tuq al-Milh', 'Bughailiyeh',
'Ayyash', 'Karkamis', 'Mahasen', 'Al-Sajjariyah',
'Sayyidah Zaynab', 'Albu Dhiyab', 'Zanqurah', 'Karkamis district',
'Kadila', 'Albu Shejel', 'Juwaybah', 'Abu Arish', 'Zarah',
'Al-Shadadi', 'Khanasser', 'Hayakil al-Jamiyah', 'Hanover',
'Teeba', 'Suluk', 'Al-Asriyah', 'Jumaylah', 'Arab al-Haytawiyin',
'Al-Isha', 'Rawfah', 'Aski Mosul', 'Ben Gardane', 'Shuwaysh',
'Hawad', 'Sayed Abdullah', 'Sarnaj', 'Hasai', 'Albu Asi',
'Zankoura', 'Tasil', 'Buhardan', 'Kubaysah', 'Albu Musa',
'Zaventem', 'Kharirdan', 'Hamamiyat', 'Mansurah',
'Chibayish district', 'Dumayr', 'Duma district', 'Kharbardan',
'Kawaz Hajji Jamil', 'Albu Bali', 'Nasr', 'Albu Mufarrij',
'Bishkan', 'Qarghuliyah', 'Al-Hajj', 'Azaz district', 'Halabsah',
'Mutaybijah', 'Zaganiah', 'Humaydat', 'Diyabiyah', 'Mahanah',
'Al-Mukharrem', 'Huwaysis', 'Mahus', 'Tartus', 'Jableh',
'Elbeyli district', 'Albu Shehab', 'Kahrez', 'Wirdak',
'Zahrat Khatun', 'Albu Hawah', 'Al-Azrakivah', 'Tumahubong'.

'Zarkah', 'Majidiyah', 'Kazakan', 'Tall al-Laban', 'Mama',
'Salehiya', 'Sulaymaniyah', 'Amerli', 'Bastamly', 'Shawa', 'Weran',
'Ghandoura', 'Sur Sanbat', 'Arima', 'Burayj al-Rih', 'Tel Jerja',
'Kawikli', 'Kafr Kalbin', 'Ar-Ruwayshid district', 'Albu Khadu',
'Qaa', 'Al-Halabisah', 'Puchong', 'Tulul al-Baj',
'Ain al-Tamur district', 'Talul', 'Al-Bah', 'Muslakhah',
'Imam Ahmad', 'Buadi Sacayo', 'Darbas', 'Albu Wawi', 'Qatif',
'Tall al-Basal', 'Surakarta', 'Sungkayot', 'Magcawa', 'Nuwayshin',
'Ash Shakiriyah', 'Ban Shakh', 'Sadr an Nahr', 'Awsajah', 'Hajlah',
'Mosul district', 'Buyir', 'Ad Dibs district', 'Bay Hasan',
'Marir', 'Tarout', 'Ajhalah', 'Arkabah', 'Jazirat Khalidiyah',
'Bisha', 'Balashika', 'Marawi', 'Umm al-Hamam', 'Al-Khan',
'Arab Albu Dhiyab', 'Ein Tamer', 'Kaliya', 'Davao City',
'As Saburah', 'Wuquf', 'Muhallabiyah', 'Barari', 'Albu Alwan',
'Sadirah', 'Hatra district', 'Inkhil', 'Albu Fahd', 'Mushayrifah',
'Zilkan', 'Dihok', 'Tell Tawil', 'Atshanah', 'Al-Bakkarah',
'Karemlish', 'Mashi', 'Al-Murrah', 'Bab As Salameh', 'Kuban',
'Sinsil', 'Rukban', 'Sokhumi', 'Safinah', 'Kafruk', 'Mutasim',
'Al-Biar', 'Rufeila', 'Bartella', 'Nizhny Novgorod', 'Safiyyah',
'Khazir', 'As Sayad', 'Arij', 'Mawali', 'Guzayl', 'Tal Yabis',
'Taq Taq', 'Imam Gharbi', 'At Tabadul at Tijari', 'Muhayri',
'Shomali', 'Saliao', 'Tall Zalat', 'Shariyah', 'Bqaa Sifrin',
'Ayn al-Hisyan', 'Kanaos', 'Mahr', 'Bab district',
'Mubarak al-Farhan', 'Bawizah', 'Al-Urayj', 'Qatraneh', 'Karak',
'Abu Sanam', 'As Sakran', 'Al-Azraq', 'Tilkef', 'Farhan',
'Qadisiyah', 'Bakhirah', 'Jisr Az Zarkah', 'Ayn as Samak',
'Jub al-Barazi', 'Zanazel', 'Abadi', 'Suflaniyah', 'Sharifah',
'Al-Rukban', 'Beirut', 'Naft Khana', 'Tal Kasibah', 'Ankur',
'Rashid', 'Al-Ayth', 'As Salabikhah', 'Al-Hassan', 'Khubayrat',
'Hawrah', 'Tal Abta', 'Geliokhana', 'Ali Farhan', 'Albu Muhammad',
'Tall Abtah', 'Hamel', 'Kubba', 'Zeibat', 'Ayn Talawi',
'Ash Shariah', 'Al-Arbaj', 'Albu Sayf', 'Hajaf',
'Al-Taliah Al-Ula', 'Tall Keysoum', 'Karaj', 'Sousian', 'Masayed',
'Albu Khado', 'Sadah', 'Dawasah', 'Shaykhi', 'Al-Faris district',
'Akashat', 'Mashahidah', 'Kanus', 'Ain al-Hassan', 'Sukkar',
'Hawr Salah ad Din', 'Dawalib', 'Umar Mandan', 'Sharwain', 'Dulab',
'Albu Janan', 'Albu Jumah', 'Hathal al-Mutlaq', 'Bazayez',
'Malihah', 'Khabarovsk', 'Saqqar', 'Areej', 'Haswa', 'Mahwala',
'Ghalibiyah', 'Manila', 'Um Mayyal', 'Wailiyah', 'Rajm al-Salibi',
'Sakkara', 'Hawr', 'Sharwin', 'Shaykh Ibrahim', 'Wadi al-Ghadaf',
'Sabiati', 'Ash Shibali', 'Majbal', 'Albu Bakr', 'Kilu Sabin',
'Zerge', 'Zinjili', 'Aqarib al-Safiyah', 'Anjanah', 'Albu Tarraza',
'Deheila', 'Jazrat al-Boushams', 'Halabisah', 'Karkush', 'Jilam',
'Manchester', 'Wahat as Sawannah', 'Adnaniyah', 'Subayat', 'Kasra',
'Jazirat Albu Dhiyab', 'Hulaywah', 'Zerga', 'Asriyah', 'Suaydat',


```
'Ash Shamsiyah', 'Natt Khanah', 'Iukanalipao', 'Ienran',
'Al-Assaf', 'Waybdah', 'Ghurbah', 'Tall Safouk', 'Jizani',
'Kifri district', 'Bir Ahmed', 'Halyawa', 'Al-Mansuriyah',
'Al-Walib', 'Jazrah', 'Tabi', 'Ad-Dana', 'Matlaha', 'Shirween',
'Mazraah', 'Albu Ali Jassim', 'Akba', 'Vefa', 'Albu Obaid', 'Jurn',
'Tahamiyah', 'Al-Hamid', 'Sydney', 'Al-Wata', 'Shaykh Baba',
'Chragh', 'Manajir', 'Ajil', 'Kilu Khamsah wa Ishrin',
'Al-Murra Al-Kobra', 'Chechi', 'Ras al-Jadda',
'Al-Qasabah Al-Qadimah', 'Nahr al-Imam', 'Tamur', 'Albu Ali',
'Albu Hamad', 'Al-Jughayfi', 'Mukhaysah', 'Tripoli', 'Marina',
'Rukhanah', 'Tullaiha', 'Zakalawiya', 'Al-Humairat', 'Zuwiya',
'Owaynat', 'Al-Islah', 'Tall Rim', 'Rafah', 'Datu Salibo district',
'Qaraytagh', 'Surgut', 'Al-Kefah', 'Mulla Jasim', 'Al-Khadra',
'Wadi al-Khishen', 'Kefah al-Shamali', 'Sad al-Waer', 'Shaqoufa',
'Shaqufah', 'Arar', 'Ismail Awa', 'Al-Ayadie', 'Mashkukah',
'Khuitla', 'Ain al-Naml', 'Yenisehir district', 'Milhah',
'Qasabat ar Rai', 'London', 'Qaraj', 'Majarin', 'Dabaa', 'Sidlan',
'Muthalath', 'Uwayjilah', 'Farhatiyah', 'Asdira', 'Abu Jair',
'Al-Nada', 'Al-Kawthar', 'Al-Tash', 'Al-Fuhaymi', 'Sahiliyah',
'Kassara', 'Abu Fas', 'Akla', 'Tall Dhahab', 'Makha', 'Twelha',
'Arab Kuye', 'Hawija Saqr', 'Dijlah', 'Zawya',
'Arnavutkoy district', 'Mushahada', 'Mizhir al-Asi', 'Albu Isa',
'Rummana', 'Al-Jayl', 'Rayhanah', 'Arej', 'Albu Eissa', 'Jazeera',
'Farraj', 'Jahouni', 'Eraij', 'Qawlay', 'Hamayel', 'Harraj',
'Qabbah', 'Al-Nasr', 'Ash Sharifiyah', 'Khuzeifi', 'Al-Awaser',
'Hatyan', 'Qarah Jawgh', 'Shahil', 'Jallam', 'Al-Rubeida',
'Al-Yaarabiya', 'Safrah', 'Gaydah', 'Al-Awamer', 'Hawd al-Waqf'],
dtype=object)
```

```
In [32]: GangMost3 = df[df.Gang.isin(['Shining Path (SL)'])]
GangMost3.Country.unique()
```

```
Out[32]: array(['Peru', 'Bolivia', 'Colombia', 'Argentina', 'Brazil', 'Mexico'],
dtype=object)
```

```
In [33]: GangMost3.Region.unique()
```

```
Out[33]: array(['South America', 'North America'], dtype=object)
```

```
In [34]: GangMost3.city.unique()
```

```
Out[34]: array(['Ayacucho', 'Uchuraccay', 'Huaraz', 'Tarma', 'Talma', 'Cusco',
'Cusco district', 'Huancavelica district', 'Chilca',
```

'La Voz de Ayachucho', 'Mujillo', 'Lima', 'Unknown',
'Huancavelica', 'Paipa', 'Huancayo', 'Sicuani', 'Acos District',
'Yauli', 'Cutervo', 'Chimbote', 'Iquitos', 'Trujillo',
'Sicuani district', 'Lurigancho', 'Ilo', 'Arequipa',
'Villa Maria del Triunfo', 'Chiclayo', 'ILO', 'Cajamarca',
'Villa El Salvador', 'Huanta', 'Quinua', 'Tacna', 'Mantaro',
'Cerro de Pasco', 'Huacho', 'Huancayo district', 'Abancay',
'Vinchos', 'Vivichos', 'ICA', 'Huarochiri', 'Cachi-Cachi',
'Quillabamba', 'Azangaro', 'Chunta', 'Oyon',
'Vilcashuaman district', 'Vilcashuaman', 'Marcabal', 'Concepcion',
'Chumbes', 'Cajamarquilla', 'Jauja', 'Huambalpa', 'Oroya',
'Chupaca', 'Tambo', 'Acos Vinchos', 'Chacari', 'Ayacucho district',
'San Martin de Paras district', 'Jaen', 'Sequeslambrá',
'Chaupimarca district', 'Huancaraylla', 'Andamarca', 'Hualla',
'Cayara', 'Huamachuco', 'Sarin', 'Huancapi', 'Poc Poc',
'Salto Grande', 'Llusita', 'Carhuauran', 'San Miguel', 'Acocro',
'San Jose de Santillana', 'Bagua Grande', 'Campoy', 'Conopa',
'Huanta district', 'Callas', 'Vista Alegre', 'Puente Piedra',
'Ica', 'Canete district', 'Conde Villa', 'Andahuaylas', 'Maca',
'Pomacocha', 'Irpa', 'Erapata', 'Mayoc', 'Matari', 'Alamenca',
'Tingo Maria', 'Pacucha', 'Huayllapampa', 'Aipachaca', 'Pacaycasa',
'Huaylas', 'Llamaoctachi', 'Azangaro district', 'Socos',
'San Jose de Ticllas district', 'Quispisisa',
'Huamaguilla district', 'Huamaguilla', 'Colcabamba', 'Cangallo',
'Pucapamba', 'Casma', 'Casma district', 'Machente', 'Imperial',
'Urpay', 'Agua Blanca', 'San Francisco de Mosca',
'Tayacaja district', 'Yanaoca', 'Urubamba', 'Huahuapuquio',
'Apurimac district', 'Junin district', 'Acomayo', 'Cocharcas',
'San Jose de Secce', 'Pampa Cangallo', 'Santa Rosa', 'Jarapa',
'Huaychao', 'Huchurucai', 'Chuguara', 'Colca', 'Churin',
'Huashuay', 'Umaro', 'Huancasancos', 'Huayllahuana', 'Huayhuash',
'Sacsamarca', 'Huamanquiquia', 'Totos', 'Manchiri', 'Putaccasa',
'Quito', 'Vilcabamba', 'Vilcanchos', 'Tiopampa',
'Cangallo district', 'Lucanamarca', 'Carapo', 'Chuschi', 'Huanso',
'Lacho', 'Cruzpata', 'La Atarjea', 'San Martin de Paras', 'Satica',
'Carhuanca', 'Chilicruz', 'Ocros', 'Juguisa', 'San Jacinto',
'Cusi', 'Matara', 'Victor Fajardo district', 'La Mar district',
'Chaupicarma', 'oachente', 'rosario', 'Anco', 'ayacucho',
'Cerro Chonta', 'catalimayo', 'Huanchaco', 'Tambo district',
'huanta', 'Areovida', 'vinchos', 'ocros', 'San Antonio',
'Huamachuco district', 'Minas Canarias', 'punas de paucar',
'yacan', 'Chorrillos', 'Julcamarca', 'Huaral', 'julcamarca',
'Huallay', 'Santa Rosa district', 'Curgos', 'Ccorca', 'Conayca',
'Sihuas', 'vilcashuaman', 'san ignacio de iribamba', 'Cajabamba',
'curgos', 'huamachuco', 'San Pedro de Cachi', 'Iguain district',
'Para', 'Moyobamba', 'Kimbiri', 'Cocentabamba', 'Pillonachamarca'.

'Tiaquiwa', 'Chiquirahua', 'Triboline', 'Rosario', 'Santa rosa',
'limari', 'Llausa', 'Cabana', 'chontacancha', 'Anchonga',
'panco alto', 'Paucas', 'Churcampa', 'Lircay', 'Moya Manyal',
'Huisa', 'Paucara', 'lima', 'Sachapite', 'La Paz', 'Puerto Claver',
'Oro', 'Pampamarca', 'moya', 'Acobamba', 'Parco', 'Santa Carmen',
'Acobamba district', 'Angaraes district', 'Chupan', 'Ongoy',
'huacamocha', 'Huanuco', 'Nuevo Progreso', 'Ocros district',
'Urancancha', 'Pillao', 'Huarco', 'Toctococha',
'Reserva Nacional Pampa Galeras', 'Venenillo', 'Rosapata',
'Sunilla', 'Shachopaque', 'Zuinuapata', 'Luricocha', 'Pampacancha',
'Ancopa', 'Marca', 'Rumichaca', 'Guamanguilla', 'Huamanguilla',
'Ventanilla', 'Huallapampa', 'Puno', 'Comas', 'Palca',
'Recuperada', 'Mascatura', 'Huamalies district',
'San Pedro de Coris', 'Huariaca', 'Pilcash', 'Pueblo Nuevo',
'Huanacancha', 'Jatumpampa', 'San Antonio de Antaparco district',
'Chilicas', 'Balcon', 'Tocache', 'Callalli',
'San Francisco de Mosca district', 'Arcac', 'La Oroya', 'Chichuas',
'unknown', 'Aucaiaico', 'Chancay district', 'Huanuco district',
'Chilcas', 'Laucausica', 'Yaurihauri', 'Puquio', 'LLallihua',
'Cayna', 'Cuya', 'Palermo', 'Coracora', 'Lucanas district',
'Mantaro district', 'Ambo', 'Caudaloso Grande', 'Incapampa',
'Chiara', 'Sanata Rosa', 'Zuini', 'Anchihuay', 'Ocantone',
'Oacha', 'Huayacando', 'Huaracayo', 'Uchiza', 'Ccocha',
'Ccantene', 'Moncoya', 'Montara', 'Luio', 'Huambo', 'Vischongo',
'Paramanta', 'Cayna district', 'Huarautambo', 'Putajasa',
'Pedro de Huaya', 'Sachabamba', 'Armas', 'Ronguyocc', 'Monzon',
'Tucumaya', 'Uros', 'Percca', 'Misquibamba', 'Progreso',
'Challhuamayo', 'San Juan Banos de Rabi', 'Cuchinachay', 'Chincay',
'San Juan de Lurigancho', 'Pacocro', 'Pampana', 'Callao',
'Urccoccasa', 'San Pedro', 'Chaca', 'Chacas', 'Pumahuasi', 'Sivia',
'Choquecancha', 'La Oroya-Huancayo', 'Patasucro', 'Tantamayo',
'Moro', 'Huacaybamba', 'Huaper', 'Macachacra', 'Pirhuabamba',
'Pampaccporis', 'Huartcacan', 'Pampachacra', 'Llochegua', 'Jesus',
'Rumipata', 'Jivia', 'Quivilla', 'Cconohuayco', 'Gloriapatria',
'Huamanpata', 'Piura', 'Palmayoc', 'Pachamarca district',
'Conquesacra', 'Otalca', 'Serganda', 'Huachon', 'Canaria', 'Mala',
'Coballoyo', 'Pampa Coris', 'Ccanobamba', 'Julcamarca district',
'Huarhua', 'Juliaca', 'Buenos Aires', 'Tinte', 'Huari district',
'Mollepata', 'Carhuamayo', 'Gorgor', 'Huanca Sancos', 'Pichari',
'Pataz', 'Pauganche', 'Pucayacu', 'Sincos', 'Grinoyaccuc',
'Naranjillo', 'Cerro De Pasco', 'Monterrico', 'Sanagoran',
'Lambayeque', 'Algamarca', 'Matucana', 'Ocobamba', 'Sacharacay',
'Montana', 'Chanchabamba', 'Huallacancha', 'Romachi', 'Huaytara',
'Lagunas', 'Providencia', 'Chilcaccasa', 'Tablachaca', 'Vicos',
'San Jose de Laria', 'Porculla', 'Laramate', 'Chupon',

'Paramo de Las Hermosas', 'Tulua', 'Pozuzo', 'Esperanza',
'Muarisca', 'Taipuma', 'Chupascunca', 'Ojatunrumi', 'Chilcayoc',
'Chaclacayo', 'Pacllon', 'Huayllay', 'Capillucas', 'Huaytuna',
'Quero', 'Chihua', 'Lechemayo', 'Huancaray', 'Pachacamac',
'Curicanchi', 'Huarihambilla', 'Castrovirreyna district', 'Cochas',
'Santiago de Sucre', 'Tincuyo', 'Palomino', 'Zarate',
'Andahuaylas district', 'Choclococha', 'Santa Ines', 'Anteccasa',
'Ledoy', 'Chupal', 'Toraya', 'Ayaviri', 'Carclampa', 'Lurin',
'Santa Lucia', 'Huayacu', 'Churubamba', 'Maraycancha',
'Jahua Nana', 'Asqui', 'Ayahuanco district', 'Ramaya', 'Punqui',
'Santiago de Chuco', 'Vacachacra', 'Razuhuillca',
'Chiclayo district', 'Pauza', 'Turpo', 'Asillo district',
'Carhuajara', 'Corpanqui', 'Gorgorillo', 'Canis', 'Pilpichaca',
'Dispichaca', 'Chumbol', 'Sacsahuay', 'Oroya district', 'Pampas',
'Chungui', 'Huancaya', 'Hualpabamba', 'Mandor', 'Chacapuante',
'Las Tinajeras', 'Patahuasi', 'Lucmahuayco', 'Pachacona',
'Condebamba', 'Geutabamba', 'Huaghuas', 'Tauca', 'Vicus', 'Panqui',
'Lucrachuco', 'La Merced', 'Huaycan', 'Toro Toro', 'Huayrapata',
'Chupamarca', 'Mahuayura', 'Yerbabuena', 'Chapi', 'Oronjoy',
'Jiron Chaupimayo', 'Uchuy Cruz', 'Querobamba', 'huanuco',
'Ituancayo', 'huancayo', 'Eten', 'Liana', 'Huachocolpa', 'shirac',
'Tarapoto', 'Quebrada Paria', 'Antajasa', 'acco', 'Villa Rica',
'Huaripampa', 'Huancaya district', 'Sajaracho',
'Chalhuanca district', 'Antactuma', 'Aguaytia', 'Tumbes',
'Poccocoto', 'Palpa', 'Sanambari', 'Huantayo',
'Santa Cruz district', 'Casinchihua', 'Palmapampa', 'Campanilla',
'Yautan', 'Chuquicocha district', 'Paccha', 'Tumire', 'Huaquirca',
'Chalhuas', 'Cavira', 'Laymi', 'Vito', 'Ferrenafe', 'Chuchuhuasi',
'Huipoco', 'Leoncio Prado district', 'Pizana', 'La Morada',
'Grau district', 'Corcona', 'Corcona district', 'Maynay',
'Cangari', 'Cashapata', 'Tambo District', 'Pajlachapata',
'Aito Carmen', 'Tulpa', 'Chuquibambilla', 'Sion',
'Trujillo district', 'Junin', 'Aucara', 'Masinga', 'Lirio',
'Shumaya', 'Puente Facae', 'Lucanas', 'Santiago de chuco',
'Carhuapampa', 'Otocha', 'Ulcumayo', 'Tomepampa', 'Pisco',
'Rumi Rumi', 'Yacila', 'Arayanga', 'Pacomarca', 'Huayanay',
'Janchijasa', 'Barranca', 'Aito Huallaga', 'Tocto',
'Goillarisquisga', 'Cotabambas', 'Quebrada Honda', 'Panao',
'Yaral', 'Ticlio', 'Andajes', 'Loboyacu', 'Arahuay',
'Pallanchacra', 'Armango', 'Cerro Condorillo', 'Crucero',
'Huancapi district', 'Cerro Yanaorcco', 'Sicaya', 'Huarancayocc',
'Sabaino', 'Calcauso', 'Cilco', 'San Agustin de Cajes', 'Chaticsa',
'Cerro Runa', 'Arcata', 'Ramospampa', 'San Gerardo', 'Salinas',
'Tanquipuquio', 'Corihuarihuairana', 'Ica district',
'Runahuajusta', 'Condormilla Bajo', 'San Pedro de Pilas',
'Urbanavoc', 'Suncho', 'Lambrama district', 'Astania'.

'Santiago de Chuco district', 'Cotapujio', 'Lachocc',
'San Juan de Jarpa', 'San Juan Pampa', 'Sanabamba', 'Huenches',
'Quinchihuil', 'San Jose de Quero', 'Chala district',
'San Jose de Los Molinos', 'San Nicolas', 'Chinquite',
'Satipo district', 'Ticrapo', 'Santa Rosa de Chapajilla',
'Coquichayocc', 'Calapuja', 'San Antonio de Esquilache',
'Huayranga', 'Tayabamba', 'Titococha', 'Catahuasi', 'Tupe',
'Huanzala', 'Haquira', 'Suitucancha', 'Nahuimpuquio', 'Asacasi',
'Huatasani district', 'Acocasa', 'Allpaurccuna', 'Occollo',
'Huechuas', 'El Boqueron del Padre del Abad', 'Abancay district',
'Quilcajasa', 'Colpas', 'Chiquian', 'El Colorado', 'Canto Grande',
'San Juan Bautista', 'Andagua', 'Subtanjalla', 'San Jose',
'Hostigal', 'Huallaga district', 'Quiches', 'Huichinga',
'Chiara district', 'Miraflores', 'Puente Lamarate', 'Quinota',
'Santo Tomas', 'Colquemarca', 'Porongo', 'Hichinga', 'ambo',
'Santa Maria del Valle', 'Kichki', 'Tomayquichua', 'Huarpicha',
'San Lorenzo de Quinti', 'Paracsha', 'Satipo', 'Yauricocha',
'Ninacaca', 'Carhua', 'Huacrachuco', 'Alto Huallaga', 'Pachangara',
'Cajacay', 'Pachitea district', 'Pantarpata', 'Chongos',
'Tantarpata', 'Jotapuquio', 'Cachachi', 'San Jose de Yarinacocha',
'San Pedro de Lloc', 'Acolla', 'Cullpa', 'San Martin de Pangoa',
'San Mateo', 'Orcasita', 'Tananta Palo Blanco', 'Munani',
'Arapa district', 'San Pedro De Huacarpana', 'Atipillan', 'Macari',
'Olleros', 'San Juan', 'San Juan de Yanac', 'Aija',
'San Cristobal', 'Pucuruhuay', 'Yurac Cancha', 'Piscobamba',
'Castrovirreyna', 'Supe', 'Jajua district', 'Puerto Callao',
'Huarcanta', 'Grocio Prado', 'Llamacorrall', 'Ambar', 'Mulqui',
'Muqui', 'Espiritu', 'Izcuchaca', 'Santiago de Pupuja',
'Choropampa', 'Cardanqui', 'Chavin', 'Yauyos', 'Tarma district',
'Pacaran', 'La Oroya', 'Huamali', 'Ricran', 'Retama', 'Quinches',
'Silca', 'Chincillapa', 'Machaguay', 'Yurac Yurac',
'San Luis de Shauro', 'Morococha', 'Culluchaca', 'Puyhuan',
'San Juan de Oro', 'San Juan de Oro district', 'Ananea',
'San Jeronimo', 'Yunguyo', 'Sallalli', 'Ipabamba', 'Huatasani',
'Amarilis district', 'Parjajasa', 'Pamococha', 'Tirapata',
'Paramonga', 'San Anton', 'UCO', 'Usibamba', 'Callejon de Huaylas',
'Orurillo', 'Andabamba', 'Palloa', 'San Marcos',
'San Marcos district', 'San Marcos District', 'Amnaija',
'Tocache district', 'Tocota', 'Masma', 'Cochamarca', 'San Ramon',
'Calla', 'Topara', 'Vilcasusuya', 'La Campina',
'San Juan de Jatunhaus', 'Pericohuayco', 'Huantar', 'Olmos',
'Huayucachi', 'Andamarca district', 'Ortigal', 'Pishupiac',
'Tarica', 'Huacho district', 'Palcamayo', 'Alto Paureli',
'Chupaca district', 'Naylamp', 'Paraiso', 'Ticllacayan', 'Nunua',
'La Merced district', 'Recresh', 'Chilca district',

```
'Ingenio district', 'Llallatambo', 'Chavinillo', 'Choras',  
'Pachas', 'Canas district', 'Paucartambo', 'Culebras', 'Huasta',  
'Orcotuna', 'Jaimito', 'El Sepa', 'Chanchamayo district', 'Pucara',  
'Shinungari', 'Pucara District', 'Huascahuru', 'Pucuguruguay',  
'Huaura district', 'Huamancacca', 'San Pedro de Cajas District',  
'Acari', 'Jarhuahuran', 'Puerto Inca district', 'Sinachayo',  
'Las Palmas', 'Ccana', 'Riachuelo', 'Janobamba', 'Ahuac district',  
'Concuchos', 'Huascaura', 'Huasahuasi', 'Santa Clara', 'Ichubamba',  
'Aito Chavini', 'Espinar', 'Sayapullo', 'Lorenzayoc',  
'La Pampilla', 'Punta Arenas', 'San Pablo', 'Moho',  
'Chulucanas district', 'Ajomachay', 'Buldibuyo', 'Mosoc Llacta',  
'Pariacoto', 'Huaura', 'Cochabamba', 'Pativilca', 'Cochocollpa',  
'San Pedro de Cajas', 'Huando', 'Encanada', 'Madre Mia',  
'Calicanto', 'Melgar district', 'Mazo', 'La Tapuna', 'Minascucho',  
'Cotomiyo', 'Yanas', 'Cutibereni', 'Lluchubamba', 'Quilla Cocha',  
'Caymito', 'Ronguyocc Alto', 'Ticllas', 'Chichucancha', 'Catac',  
'hUANCAYO', 'Esmeralda', 'Mision Cutuvireni', 'Matahuasi', 'Tanta',  
'Santo Tomas de Pata', 'Antacolpa', 'Unas', 'Monobamba',  
'Uchubamba', 'Huacas', 'Pancan', 'Rio Colorado', 'Panti Usu',  
'Huari', 'El Muyo-Matara', 'Concepcion district', 'Azabra',  
'Dos de Mayo district', 'Huancabamba district', 'Maranquiari',  
'Tutumbaru', 'Angasmarca', 'Tornameza', 'Saraya', 'San Carlos',  
'Masamari', 'Pachar', 'Papuna', 'Oxapampa district', 'Lima',  
'Quilcapata', 'Quiparacra', 'Huachon district', 'Las Vegas',  
'Puerto Acosta', 'Circamarca', 'Huancasancos district',  
'La Florida', 'Pichihuillca', 'Sion district', 'Santa Ana',  
'Puente Capelo', 'Huayllapata', 'Sortilegio', 'Jangas',  
'Canray Chico', 'Huayan', 'Urcumayo', 'Coracora district', 'Arabe',  
'Shitarillo', 'Acoria', 'Paria', 'Culebron', 'Huancabam district',  
'Ancasllacu', 'Mexico City', 'Padre Abad', 'Catavari',  
'Julio Cesar Tello', 'Pampa Hermosa', 'Anda', 'El Totoral',  
'Carabaya district', 'Janajanea', 'Alomella Robles', 'Matarani',  
'San Jorge', 'Montero', 'Hano', 'Tintaypuqui', 'Azul de Magdalena',  
'Llanco', 'San Martin de Pangoa district', 'Huamanga district',  
'Ramal', 'Salcahuasi', 'Camisea', 'Echarate district',  
'La Convencion', 'Kiteni', 'Llochegua district',  
'Convencion district', 'Tintaypunco district', 'Villa Virgen',  
'Sivia district', 'Echarate', 'Qano', 'La Libertad',  
'San Francisco district', 'Huancamayo', 'Jicamarca', 'Huachipa',  
'Jatun Asha', 'Santo Domingo de Acobamba', 'Ate'], dtype=object)
```

Getting Top 3 Gang Names in the World,Checking the Attacked Region of the Top 3 Gang.

```
Gang1= ['South Asia', 'Central Asia']
```

```
Gang2=['Middle East & North Africa', 'Western Europe','Sub-Saharan Africa',  
'Southeast Asia', 'Eastern Europe','Central Asia', 'Australasia & Oceania']
```


```
Gang3=['South America', 'North America']
```

```
In [35]: attackData = df.loc[:, 'AttackType']  
# attackData  
typeKillData = pd.concat([attackData, killData], axis=1)
```

```
In [36]: attacktypeKill = typeKillData.pivot_table(columns='AttackType', values='No.  
attacktypeKill
```

Out[36]:

AttackType	Armed Assault	Assassination	Bombing/Explosion	Facility/Infrastructure Attack	Hijacking
No.of.Kill	160297.0	24920.0	157321.0	3642.0	3718.0

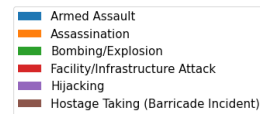


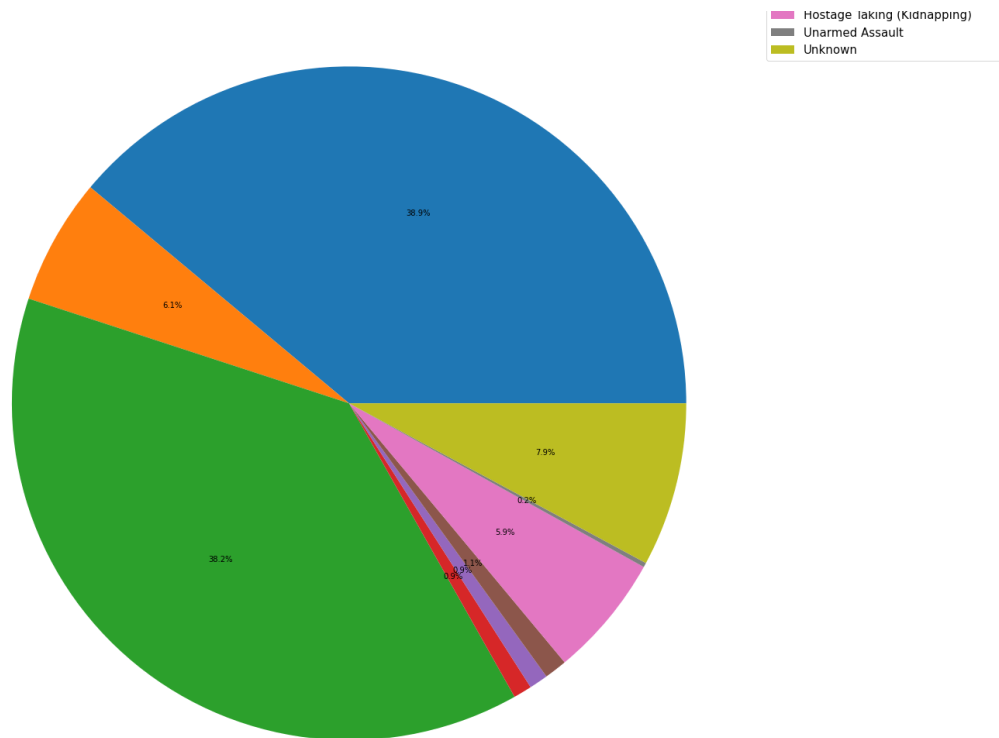
```
In [37]: labels = attacktypeKill.columns.tolist() # convert line to list  
transpose = attacktypeKill.T # transpose  
values = transpose.values.tolist()  
fig, ax = plt.subplots(figsize=(20, 20), subplot_kw=dict(aspect="equal"))  
plt.pie(values, startangle=360, autopct='%0.1f%%')  
plt.title('Types of terrorist attacks')  
plt.legend(labels, loc='lower right', bbox_to_anchor = (1.3, 0.9), fontsize=  
plt.show()
```

```
/usr/local/lib/python3.7/dist-packages/ipykernel_launcher.py:5: MatplotlibDe  
precationWarning: Non-1D inputs to pie() are currently squeeze()d, but this  
behavior is deprecated since 3.1 and will be removed in 3.3; pass a 1D array  
instead.
```

```
"""
```

Types of terrorist attacks





Most Attack Type: Armed Assault, Bombing/Explosion, Assassination

Most Attacking Gang: Taliban, Islamic State of Iraq and the Levant (ISIL) & Shining Path (SL)

Taliban: The Taliban are a movement of religious students (talib) from the Pashtun areas of eastern and southern Afghanistan who were educated in traditional Islamic schools in Pakistan.

ISIL: a militant group and former unrecognized proto-state that follows a Salafi jihadist doctrine.

Shining Path: is a guerrilla rebel organization in Peru. ... They launched a campaign of bombings, assassinations and other guerrilla attacks against the state throughout the country

CONCLUSION:

Top Attacked Region: Middle East & North Africa(On Basis of Gang Attack, Both Taliban & ISIL Attacked this Region).

Top City Attacked: Baghdad(Capital of Iraq)

Top Affected Countries: Iraq, Afghanistan, Pakistan, India, Colombia
