GRADUATE ROTATIONAL INTERSHIP PROGRAM - JUNE 2023

Data Science & Business Analytics Internship Task_4 :-

Exploratory Data Analysis - Terrorism

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In this task, we will be performing exploratory data analysis on the dataset "GlobalTerrorism" and try to find out the hot zone of terrorism. Also, we will derive the security issues and various insights.

Importing Libraries needed to perform task

In [ ]:
```
# Importing all the libraries needed in this notebook
import math
import warnings
import numpy as np
import pandas as pd # data processing, CSV file I/O (e.g. pd.read_csv)
import seaborn as sns
import plotly.offline as py
import plotly.graph_objs as go
import matplotlib.pyplot as plt
warnings.filterwarnings('ignore')
```

Step 1 : Loading and Reading The Data Set

In [ ]:
```
global_terror = pd.read_csv(r'C:\Users\HOME\Downloads\globalterrorismdb_0718dist
```

In [ ]:
```
global_terror.head() # first five values of the dataset
```

Out[ ]:

	eventid	iyear	imonth	iday	approxdate	extended	resolution	country	cou
0	197000000001	1970	7	2	NaN	0	NaN	58	Do
1	197000000002	1970	0	0	NaN	0	NaN	130	
2	197001000001	1970	1	0	NaN	0	NaN	160	Phi
3	197001000002	1970	1	0	NaN	0	NaN	78	
4	197001000003	1970	1	0	NaN	0	NaN	101	

5 rows × 135 columns

In [ ]:
```
global_terror.columns
```

Out[ ]:
```
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 [ ]:
```
global_terror.rename(columns={'iyear':'Year','imonth':'Month','iday':'Day','coun
                        'region_txt':'Region','attacktype1_txt':'AttackType','tar
                        'nwound':'Wounded','summary':'Summary','gname':'Group','t
                        'weaptype1_txt':'Weapon_type','motive':'Motive'},inplace=
```

Step 2 : Dropping out irrelevant columns

In [ ]:
```
# Important data for further processing
global_terror=global_terror[['Year','Month','Day','Country','state','Region','ci
               'Wounded','Target','Summary','Group','Target_type','Weapon_type',
```

In [ ]:
```
global_terror.head()
```

Out[ ]:

	Year	Month	Day	Country	state	Region	city	latitude	longitude
0	1970	7	2	Dominican Republic	NaN	Central 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

In [ ]:
```
# Checking for the null values
global_terror.isnull().sum()
```

Out[ ]:
```
Year               0
Month              0
Day                0
Country            0
state            421
Region             0
city             434
latitude        4556
longitude       4557
AttackType         0
Killed         10313
Wounded        16311
Target           636
Summary        66129
Group              0
Target_type        0
Weapon_type        0
Motive        131130
dtype: int64
```

Step 3 : Checking the dataset's information

In [ ]:
```
global_terror.info() # Returns the concise summary
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 181691 entries, 0 to 181690
Data columns (total 18 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  Killed       171378 non-null  float64
 11  Wounded      165380 non-null  float64
 12  Target       181055 non-null  object
 13  Summary      115562 non-null  object
 14  Group        181691 non-null  object
 15  Target_type  181691 non-null  object
 16  Weapon_type  181691 non-null  object
 17  Motive       50561 non-null   object
dtypes: float64(4), int64(3), object(11)
memory usage: 25.0+ MB
```

Step 4 : Data Visualization

Destructive Features

In [ ]:
```
print("Country with the most attacks:",global_terror['Country'].value_counts().i
print("City with the most attacks:",global_terror['city'].value_counts().index[1
print("Region with the most attacks:",global_terror['Region'].value_counts().idx
print("Year with the most attacks:",global_terror['Year'].value_counts().idxmax(
print("Month with the most attacks:",global_terror['Month'].value_counts().idxma
print("Group with the most attacks:",global_terror['Group'].value_counts().index
print("Most Attack Types:",global_terror['AttackType'].value_counts().idxmax())
```

```
Country with the most attacks: Iraq
City with the most attacks: Baghdad
Region with the most attacks: Middle East & North Africa
Year with the most attacks: 2014
Month with the most attacks: 5
Group with the most attacks: Taliban
Most Attack Types: Bombing/Explosion
```

In [ ]:
```
from wordcloud import WordCloud
from scipy import signal
cities = global_terror.state.dropna(False)
plt.subplots(figsize=(20,10))
wordcloud = WordCloud(background_color = 'black',
                      width = 500,
                      height = 400).generate(' '.join(cities))
plt.axis('off')
plt.imshow(wordcloud)
plt.show()
```

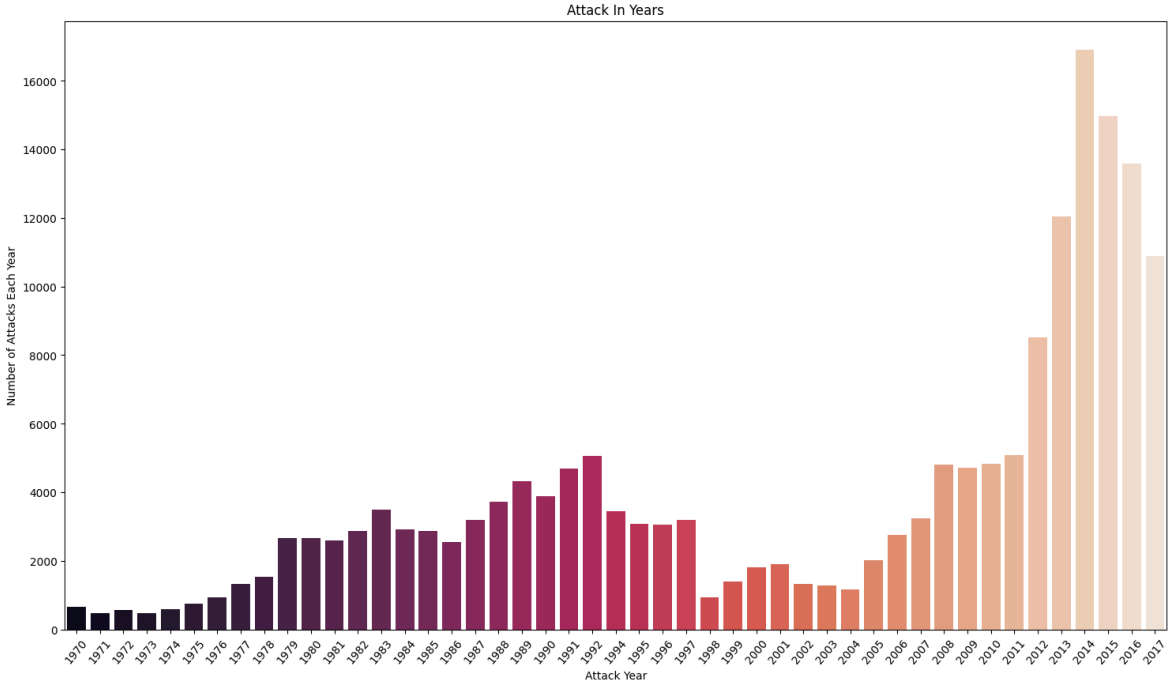
In [ ]:
```
global_terror['Year'].value_counts(dropna = False).sort_index()
```

Out[ ]:
```
1970      651
1971      471
1972      568
1973      473
1974      581
1975      740
1976      923
1977     1319
1978     1526
1979     2662
1980     2662
1981     2586
1982     2544
1983     2870
1984     3495
1985     2915
1986     2860
1987     3183
1988     3721
1989     4324
1990     3887
1991     4683
1992     5071
1994     3456
1995     3081
1996     3058
1997     3197
1998      934
1999     1395
2000     1814
2001     1906
2002     1333
2003     1278
2004     1166
2005     2017
2006     2758
2007     3242
2008     4805
2009     4721
2010     4826
2011     5076
2012     8522
2013    12036
2014    16903
2015    14965
2016    13587
2017    10900
Name: Year, dtype: int64
```

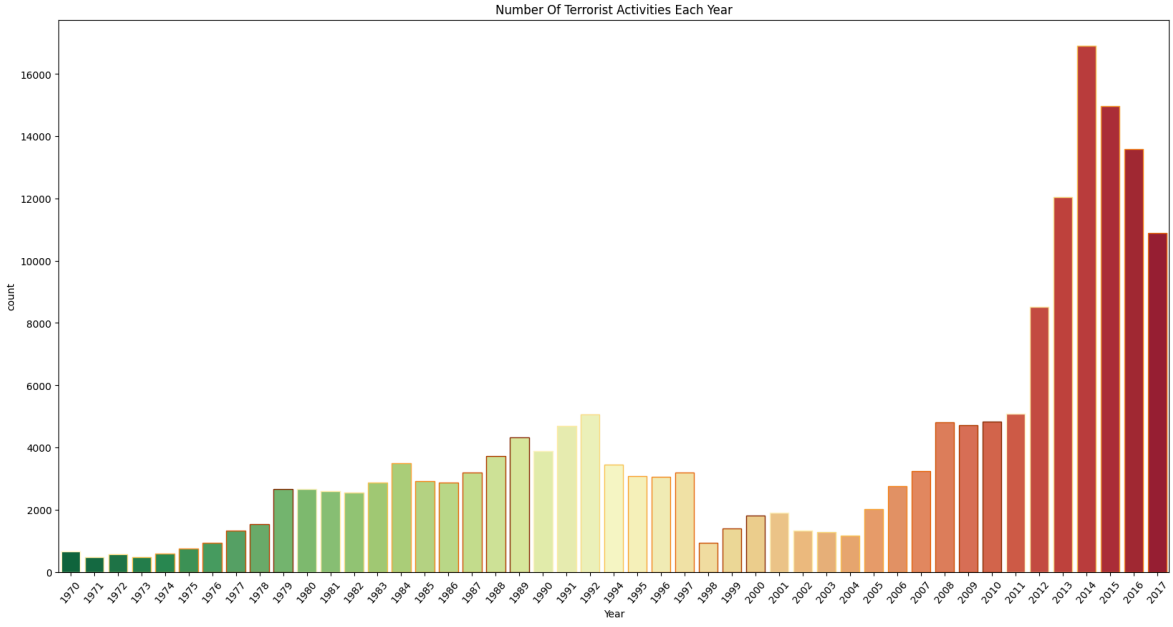
Terrorist Activities Each Year

In [ ]:
```
x_year = global_terror['Year'].unique()
y_count_years = global_terror['Year'].value_counts(dropna = False).sort_index()
plt.figure(figsize = (18,10))
sns.barplot(x = x_year,
            y = y_count_years,
            palette = 'rocket')
plt.xticks(rotation = 50)
```

```
plt.xlabel('Attack Year')
plt.ylabel('Number of Attacks Each Year')
plt.title('Attack In Years')
plt.show()
```

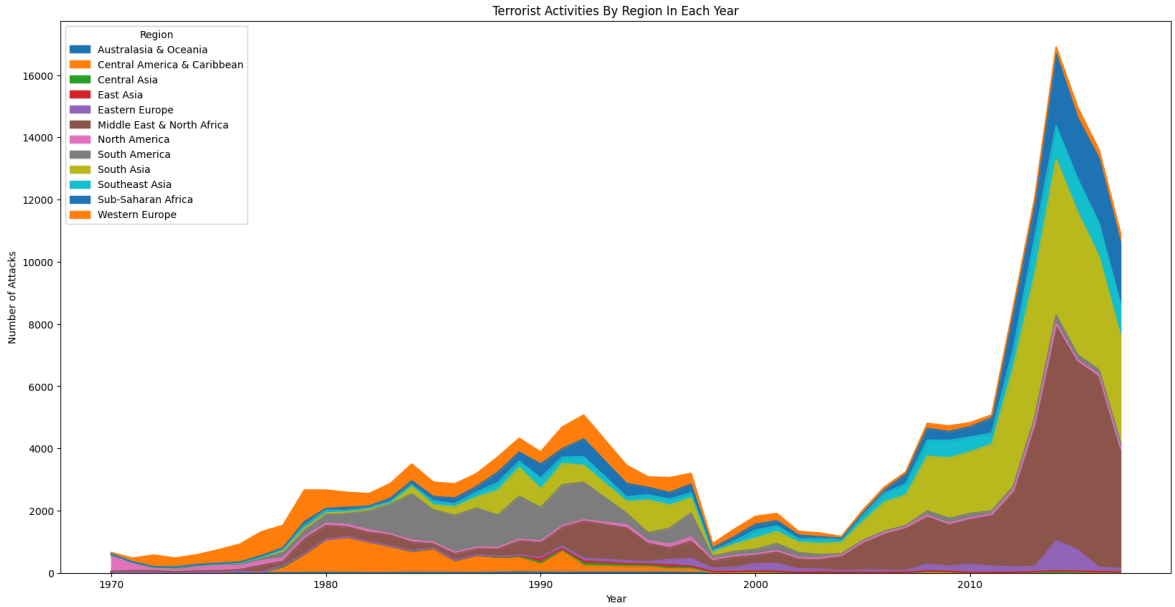


In [ ]:
```
plt.subplots(figsize=(20,10))
sns.countplot(x='Year',data = global_terror, palette='RdYlGn_r',edgecolor=sns.co
plt.xticks(rotation=50)
plt.title('Number Of Terrorist Activities Each Year')
plt.show()
```



Terrorist Activities By Region In Each Year

In [ ]:
```
pd.crosstab(global_terror.Year, global_terror.Region).plot(kind='area',figsize=(
plt.title('Terrorist Activities By Region In Each Year')
plt.ylabel('Number of Attacks')
plt.show()
```



In [ ]:
```
global_terror['Wounded'] = global_terror['Wounded'].fillna(0).astype(int)
global_terror['Killed'] = global_terror['Killed'].fillna(0).astype(int)
global_terror['Casualities'] = global_terror['Killed'] + global_terror['Wounded'
```

In [ ]:
```
# Top 50 worst terrorist attacks
global_terror1 = global_terror.sort_values(by='Casualities',ascending=False)[:50
```

In [ ]:
```
heat=global_terror1.pivot_table(index='Country',columns='Year',values='Casualiti
heat.fillna(0,inplace=True)
```

In [ ]:
```
heat.head()
```

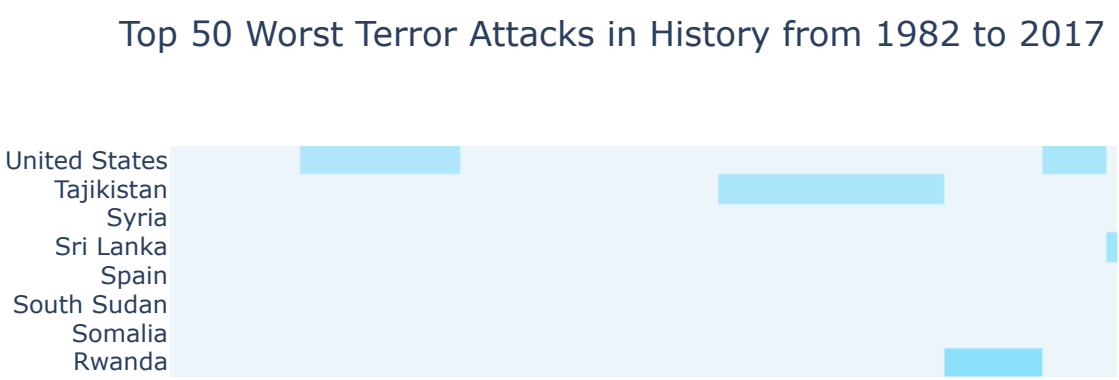
Out[ ]:

Year	1982	1984	1987	1992	1994	1995	1996	1997	1998	2001	...	2005
Country												
Afghanistan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	...	0.0
Algeria	0.0	0.0	0.0	0.0	0.0	0.0	0.0	450.0	0.0	0.0	...	0.0
Chad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	...	0.0
Egypt	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	...	0.0
Ethiopia	0.0	0.0	0.0	500.0	0.0	0.0	0.0	0.0	0.0	0.0	...	0.0

5 rows × 21 columns

In [ ]:
```
import plotly.offline as py
py.init_notebook_mode(connected=True)
import plotly.graph_objs as go
colorscale = [[0, '#edf8fb'], [.3, '#00BFFF'],  [.6, '#8856a7'],  [1, '#810f7c']
heatmap = go.Heatmap(z=heat.values, x=heat.columns, y=heat.index, colorscale=col
data = [heatmap]
layout = go.Layout(
    title='Top 50 Worst Terror Attacks in History from 1982 to 2017',
    xaxis = dict(ticks='', nticks=20),
    yaxis = dict(ticks='')
)
```

```
fig = go.Figure(data=data, layout=layout)
py.iplot(fig, filename='heatmap',show_link=False)
```

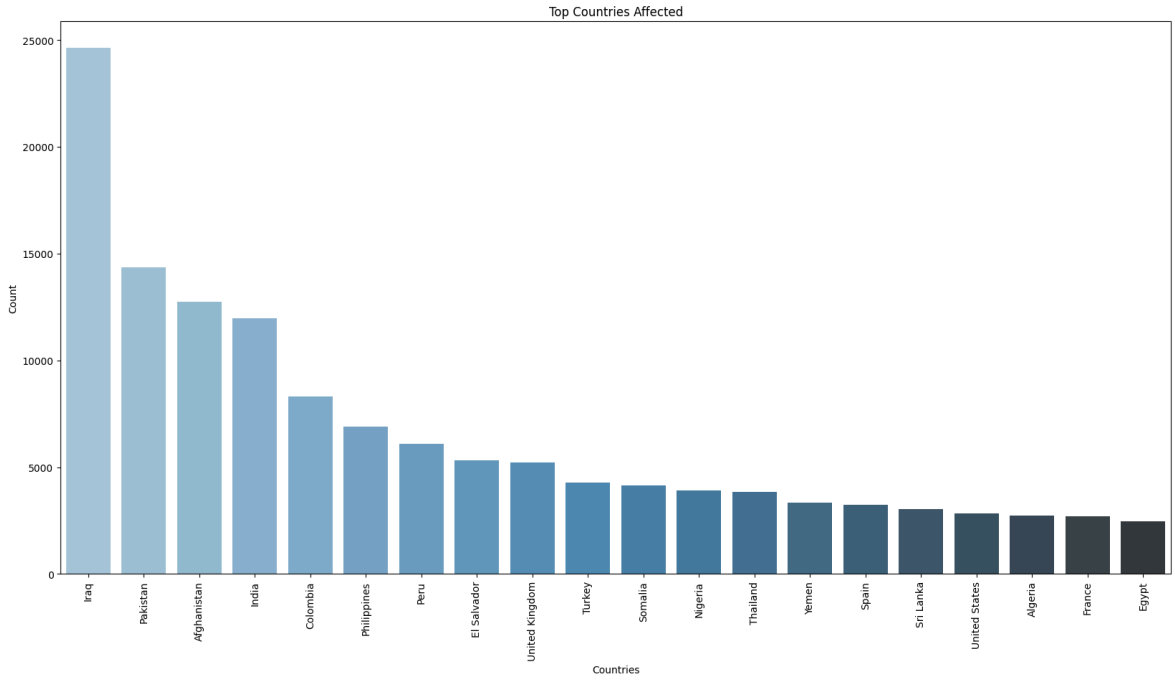


In [ ]:
```
global_terror.Country.value_counts()[:21]
```

Out[ ]:
```
Iraq                24636
Pakistan            14368
Afghanistan         12731
India               11960
Colombia             8306
Philippines          6908
Peru                 6096
El Salvador          5320
United Kingdom       5235
Turkey               4292
Somalia              4142
Nigeria              3907
Thailand             3849
Yemen                3347
Spain                3249
Sri Lanka            3022
United States        2836
Algeria              2743
France               2693
Egypt                2479
Lebanon              2478
Name: Country, dtype: int64
```

Top Countries Affected By Terrorist Attacks

In [ ]:
```
plt.subplots(figsize=(20,10))
sns.barplot(x=global_terror['Country'].value_counts()[:20].index,
            y=global_terror['Country'].value_counts()[:20].values,
            palette='Blues_d')
plt.title('Top Countries Affected')
plt.xlabel('Countries')
plt.ylabel('Count')
plt.xticks(rotation= 90)
plt.show()
```



ANALYSIS ON CUSTOMIZED DATA

Terrorist Attacks of a Particular year and their Locations

Let's look at the terrorist acts in the world over a certain year.

In [ ]:
```
import folium
from folium.plugins import MarkerCluster
```

In [ ]:
```
filterYear = global_terror['Year'] == 2001
```

In [ ]:
```
filterData = global_terror[filterYear] # filter data
# filterData.info()
reqFilterData = filterData.loc[:,'city':'longitude'] # get the required fields
reqFilterData = reqFilterData.dropna() # drop NaN values in latitude and longitu
reqFilterDataList = reqFilterData.values.tolist()
# reqFilterDataList
```

In [ ]:
```
map = folium.Map(location = [0, 50], tiles='CartoDB positron', zoom_start=2)
markerCluster = folium.plugins.MarkerCluster().add_to(map)
for point in range(0, len(reqFilterDataList)):
    folium.Marker(location=[reqFilterDataList[point][1],reqFilterDataList[point]
```

```
                    popup = reqFilterDataList[point][0]).add_to(markerCluster)
map
```

Out[ ]:

From the above map, we can depict that the maximum attacks carried out in the year 2001 was on the African Continent, almost 1325 attacks. Then, the continent South America faced the highest number of attacks, i.e. 258.

Terrorist's Origanizations Operations In Each Country

In [ ]:
```
global_terror.Group.value_counts()[1:20]
```

Out[ ]:
```
Taliban                                                 7478
Islamic State of Iraq and the Levant (ISIL)             5613
Shining Path (SL)                                       4555
Farabundo Marti National Liberation Front (FMLN)        3351
Al-Shabaab                                              3288
New People's Army (NPA)                                 2772
Irish Republican Army (IRA)                             2671
Revolutionary Armed Forces of Colombia (FARC)           2487
Boko Haram                                              2418
Kurdistan Workers' Party (PKK)                          2310
Basque Fatherland and Freedom (ETA)                     2024
Communist Party of India - Maoist (CPI-Maoist)          1878
Maoists                                                 1630
Liberation Tigers of Tamil Eelam (LTTE)                 1606
National Liberation Army of Colombia (ELN)              1561
Tehrik-i-Taliban Pakistan (TTP)                         1351
Palestinians                                            1125
Houthi extremists (Ansar Allah)                         1062
Al-Qaida in the Arabian Peninsula (AQAP)                1020
Name: Group, dtype: int64
```

In [ ]:
```
test = global_terror[global_terror.Group.isin(['Shining Path (SL)','Taliban','Is
```

In [ ]:
```
test.Country.unique()
```

Out[ ]:
```
array(['Peru', 'Bolivia', 'Colombia', 'Argentina', 'Brazil', 'Mexico',
       'Afghanistan', 'Pakistan', 'Syria', 'Iraq', 'Turkey', 'Tunisia',
       'Lebanon', 'Turkmenistan', '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)
```

In [ ]:
```
global_terror_df_group = global_terror.dropna(subset=['latitude','longitude'])
```

In [ ]:
```
global_terror_df_group = global_terror_df_group.drop_duplicates(subset=['Country
```

In [ ]:
```
terrorist_groups = global_terror.Group.value_counts()[1:8].index.tolist()
global_terror_df_group = global_terror_df_group.loc[global_terror_df_group.Group
print(global_terror_df_group.Group.unique())
```

```
["New People's Army (NPA)" 'Irish Republican Army (IRA)'
 'Shining Path (SL)' 'Farabundo Marti National Liberation Front (FMLN)'
 'Taliban' 'Al-Shabaab' 'Islamic State of Iraq and the Levant (ISIL)']
```

In [ ]:
```
map = folium.Map(location=[50, 0], tiles="CartoDB positron", zoom_start=2)
markerCluster = folium.plugins.MarkerCluster().add_to(map)
for i in range(0,len(global_terror_df_group)):
    folium.Marker([global_terror_df_group.iloc[i]['latitude'],global_terror_df_g
                   popup='Group:{}<br>Country:{}'.format(global_terror_df_group.i
                   global_terror_df_group.iloc[i]['Country'])).add_to(map)
map
```

Out[ ]:

Make this Notebook Trusted to load map: File -> Trust Notebook

In [ ]:
```
m1 = folium.Map(location=[50, 0], tiles="CartoDB positron", zoom_start=2)
marker_cluster = MarkerCluster(
    name='clustered icons',
    overlay=True,
    control=False,
    icon_create_function=None
)
for i in range(0,len(global_terror_df_group)):
    marker=folium.Marker([global_terror_df_group.iloc[i]['latitude'],global_terr
    popup='Group:{}<br>Country:{}'.format(global_terror_df_group.iloc[i]['Group'
                                          global_terror_df_group.iloc[i]['Countr
```

```
    folium.Popup(popup).add_to(marker)
    marker_cluster.add_child(marker)
marker_cluster.add_to(m1)
folium.TileLayer('openstreetmap').add_to(m1)
#folium.TileLayer('Mapbox Bright').add_to(m1)
folium.TileLayer('cartodbdark_matter').add_to(m1)
folium.TileLayer('stamentoner').add_to(m1)
folium.LayerControl().add_to(m1)

m1
```

Out[ ]:

Make this Notebook Trusted to load map: File -> Trust Notebook

In [ ]:
```
global_terror.head()
```

Out[ ]:

	Year	Month	Day	Country	state	Region	city	latitude	longitude
0	1970	7	2	Dominican Republic	NaN	Central 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

In [ ]:
```
# Total Number of people killed in terror attack
killData = global_terror.loc[:,'Killed']
print('Number of people killed by terror attack:', int(sum(killData.dropna())))#
```

```
Number of people killed by terror attack: 411868
```

In [ ]:
```
# Let's look at what types of attacks these deaths were made of.
attackData = global_terror.loc[:,'AttackType']
# attackData
typeKillData = pd.concat([attackData, killData], axis=1)
```

In [ ]:
```
typeKillData.head()
```

Out[ ]:

	AttackType	Killed
0	Assassination	1
1	Hostage Taking (Kidnapping)	0
2	Assassination	1
3	Bombing/Explosion	0
4	Facility/Infrastructure Attack	0

In [ ]:
```
typeKillFormatData = typeKillData.pivot_table(columns='AttackType', values='Kill
typeKillFormatData
```

Out[ ]:

AttackType	Armed Assault	Assassination	Bombing/Explosion	Facility/Infrastructure Attack	Hijacking
Killed	160297	24920	157321	3642	3718

In [ ]:
```
typeKillFormatData.info()
```

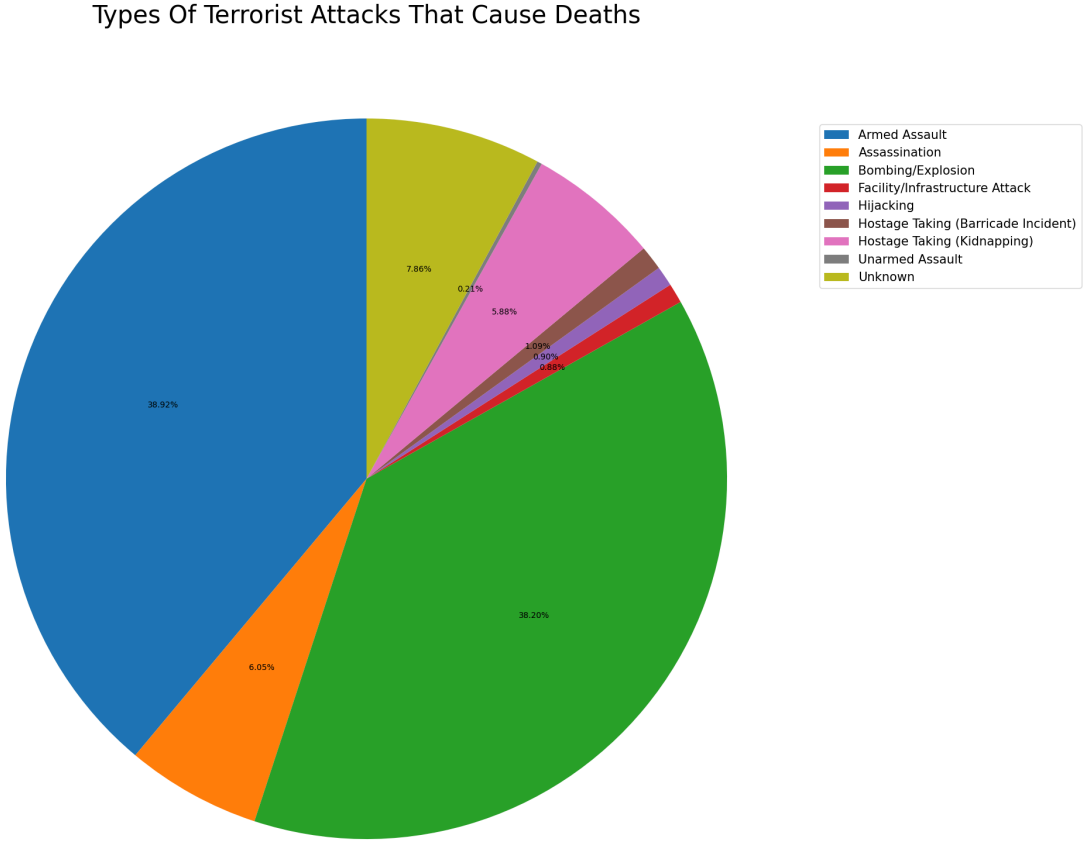
```
<class 'pandas.core.frame.DataFrame'>
Index: 1 entries, Killed to Killed
Data columns (total 9 columns):
 #   Column                                Non-Null Count  Dtype
---  ------                                --------------  -----
 0   Armed Assault                         1 non-null      int32
 1   Assassination                         1 non-null      int32
 2   Bombing/Explosion                     1 non-null      int32
 3   Facility/Infrastructure Attack        1 non-null      int32
 4   Hijacking                             1 non-null      int32
 5   Hostage Taking (Barricade Incident)   1 non-null      int32
 6   Hostage Taking (Kidnapping)           1 non-null      int32
 7   Unarmed Assault                       1 non-null      int32
 8   Unknown                               1 non-null      int32
dtypes: int32(9)
memory usage: 152.0+ bytes
```

In [ ]:
```
import matplotlib.pyplot as plt

labels = typeKillFormatData.columns.tolist()
transpoze = typeKillFormatData.T
values = transpoze.values.flatten().tolist()  # Flatten the 2D array to 1D

fig, ax = plt.subplots(figsize=(20, 20), subplot_kw=dict(aspect="equal"))
plt.pie(values, startangle=90, autopct='%.2f%%')
```

```
plt.title('Types Of Terrorist Attacks That Cause Deaths', fontsize=30)
plt.legend(labels, loc='upper right', bbox_to_anchor=(1.3, 0.9), fontsize=15)
plt.show()
```



In [ ]:
```
global_terror.head(2)
```

Out[ ]:

	Year	Month	Day	Country	state	Region	city	latitude	longitude
0	1970	7	2	Dominican Republic	NaN	Central America & Caribbean	Santo Domingo	18.456792	-69.951164
1	1970	0	0	Mexico	Federal	North America	Mexico city	19.371887	-99.086624

In [ ]:
```
# Number of Killed in Terrorist Attacks by Countries
countryData = global_terror.loc[:,'Country']
# countyData
countryKillData = pd.concat([countryData, killData], axis=1)
```

In [ ]:
```
countryKillFormatData = countryKillData.pivot_table(columns='Country', values='K
countryKillFormatData
```

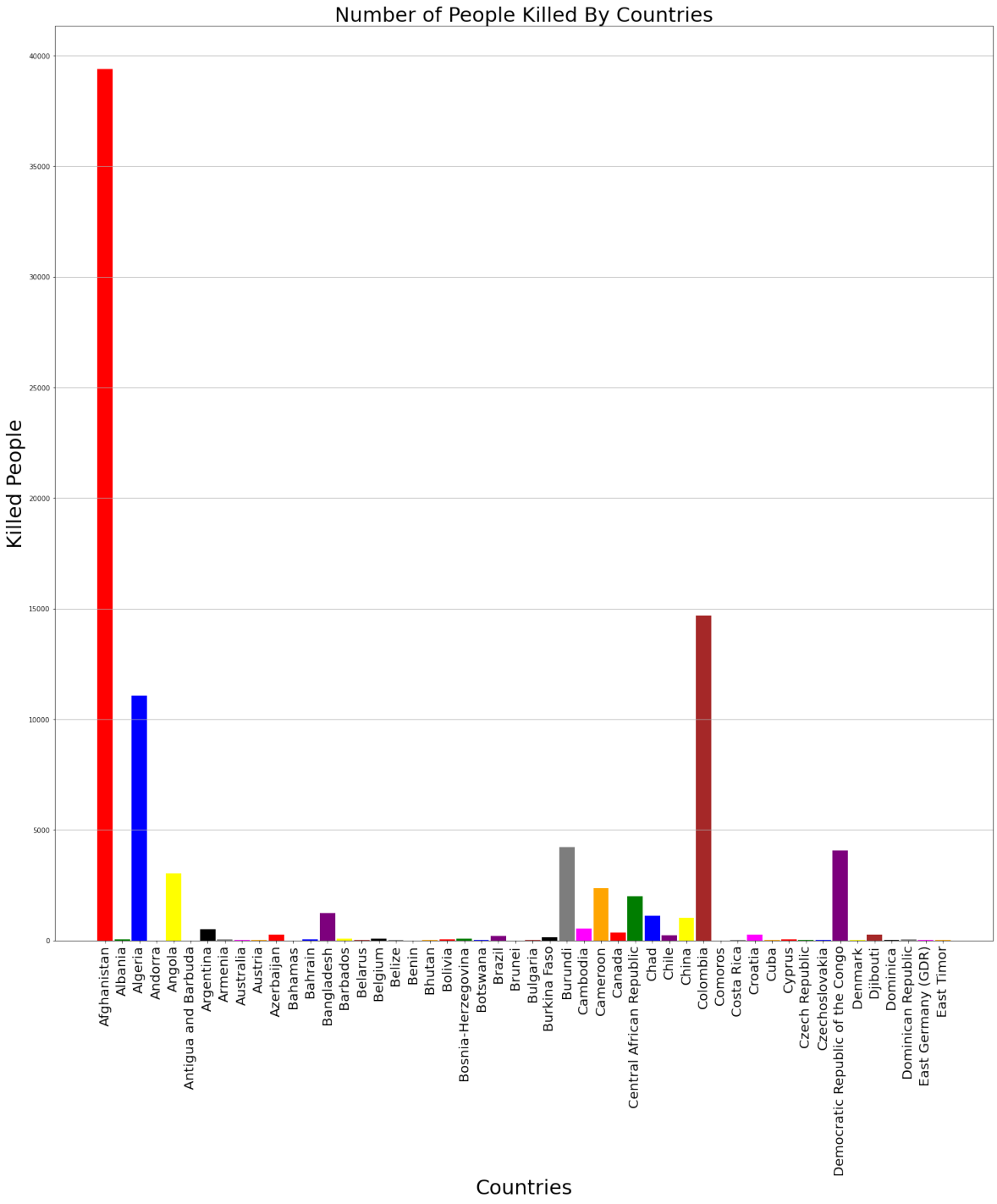
Out[ ]:

Country	Afghanistan	Albania	Algeria	Andorra	Angola	Antigua and Barbuda	Argentina	Armeni
Killed	39384	42	11066	0	3043	0	490	3

1 rows × 205 columns

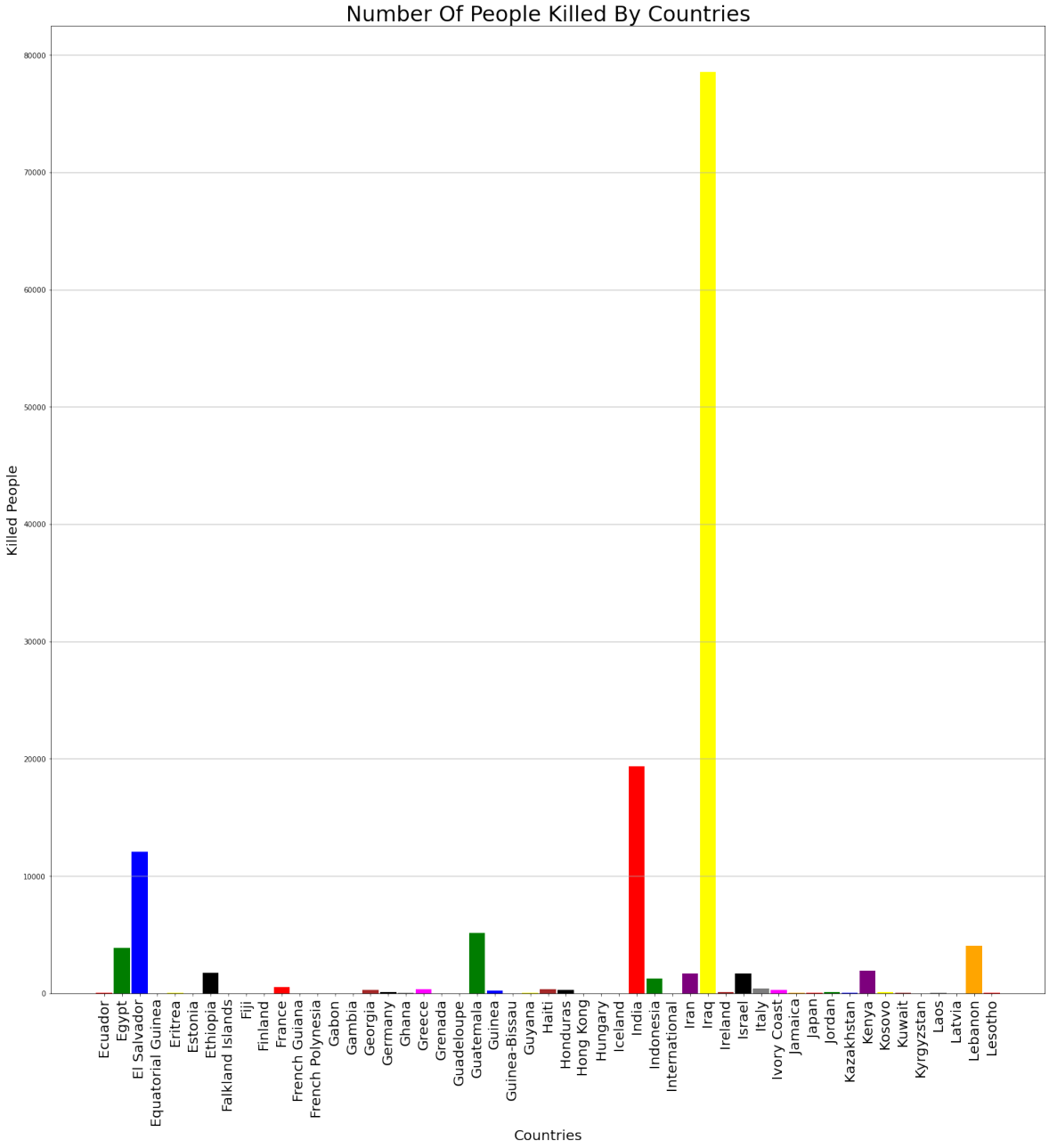
In [ ]:
```
fig_size = plt.rcParams["figure.figsize"]
fig_size[0]=25
fig_size[1]=25
plt.rcParams["figure.figsize"] = fig_size
```

In [ ]:
```
labels = countryKillFormatData.columns.tolist()
labels = labels[:50] #50 bar provides nice view
index = np.arange(len(labels))
transpoze = countryKillFormatData.T
values = transpoze.values.tolist()
values = values[:50]
values = [int(i[0]) for i in values] # convert float to int
colors = ['red', 'green', 'blue', 'purple', 'yellow', 'brown', 'black', 'gray',
fig, ax = plt.subplots(1, 1)
ax.yaxis.grid(True)
fig_size = plt.rcParams["figure.figsize"]
fig_size[0]=25
fig_size[1]=25
plt.rcParams["figure.figsize"] = fig_size
plt.bar(index, values, color = colors, width = 0.9)
plt.ylabel('Killed People', fontsize=30)
plt.xlabel('Countries', fontsize = 30)
plt.xticks(index, labels, fontsize=20, rotation=90)
plt.title('Number of People Killed By Countries', fontsize = 30)
# print(fig_size)
plt.show()
```



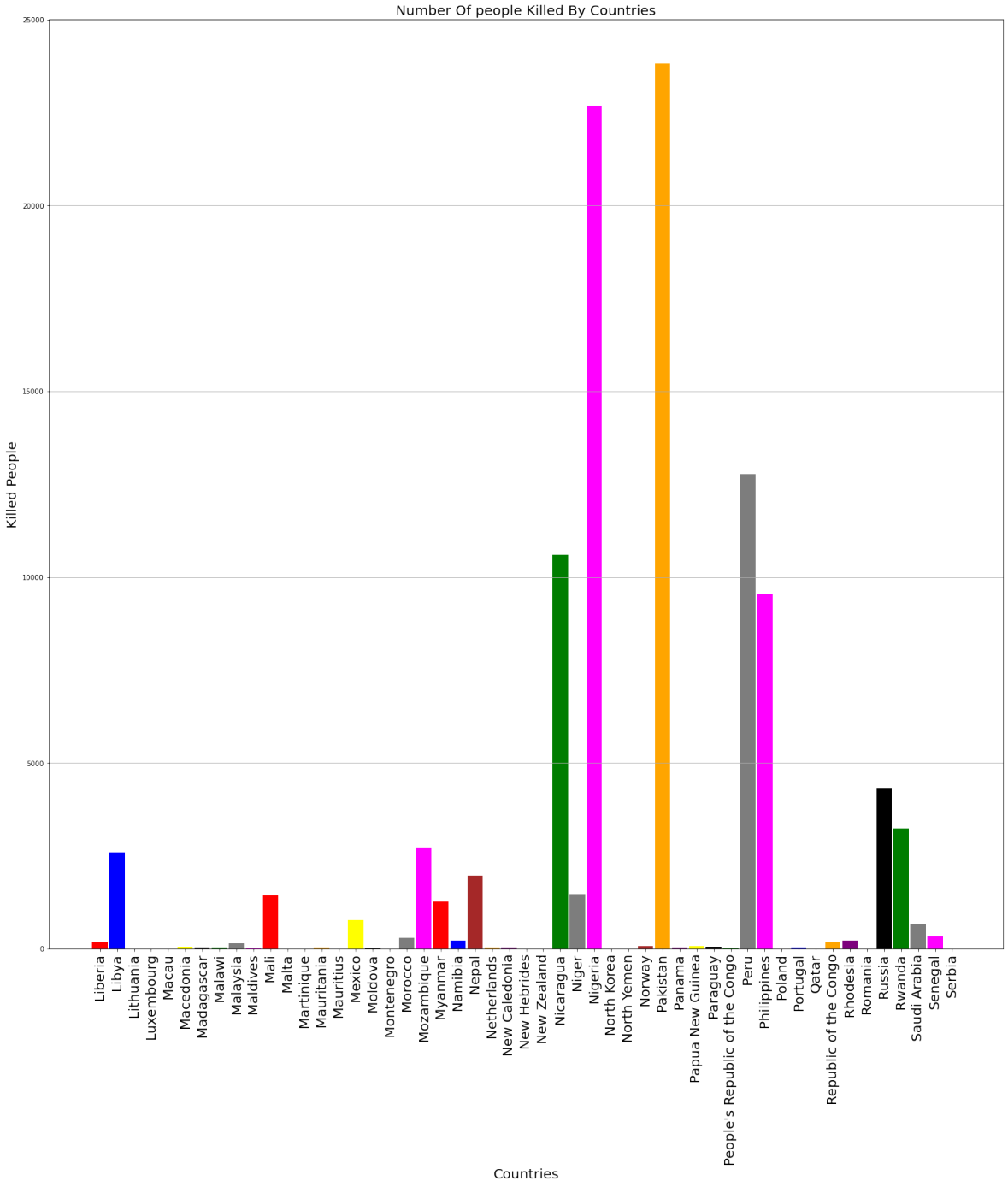
In [ ]:
```
labels = countryKillFormatData.columns.tolist()
labels = labels[50:101]
index = np.arange(len(labels))
transpoze = countryKillFormatData.T
values = transpoze.values.tolist()
values = values[50:101]
values = [int(i[0]) for i in values]
colors = ['red', 'green', 'blue', 'purple', 'yellow', 'brown', 'black', 'gray',
fig, ax = plt.subplots(1, 1)
ax.yaxis.grid(True)
fig_size = plt.rcParams["figure.figsize"]
fig_size[0]=20
fig_size[1]=20
plt.rcParams["figure.figsize"] = fig_size
plt.bar(index, values, color = colors, width = 0.9)
plt.ylabel('Killed People', fontsize=20)
plt.xlabel('Countries', fontsize = 20)
```

```
plt.xticks(index, labels, fontsize=20, rotation=90)
plt.title('Number Of People Killed By Countries', fontsize = 30)
plt.show()
```



In [ ]:
```
labels = countryKillFormatData.columns.tolist()
labels = labels[101:152]
index = np.arange(len(labels))
transpoze = countryKillFormatData.T
values = transpoze.values.tolist()
values = values[101:152]
values = [int(i[0]) for i in values]
colors = ['red', 'blue', 'brown', 'orange', 'purple', 'yellow', 'black', 'green'
fig, ax = plt.subplots(1, 1)
ax.yaxis.grid(True)
fig_size = plt.rcParams["figure.figsize"]
fig_size[0]=25
fig_size[1]=25
plt.rcParams["figure.figsize"] = fig_size
plt.bar(index, values, color = colors, width = 0.9)
plt.ylabel('Killed People', fontsize=20)
plt.xlabel('Countries', fontsize = 20)
```

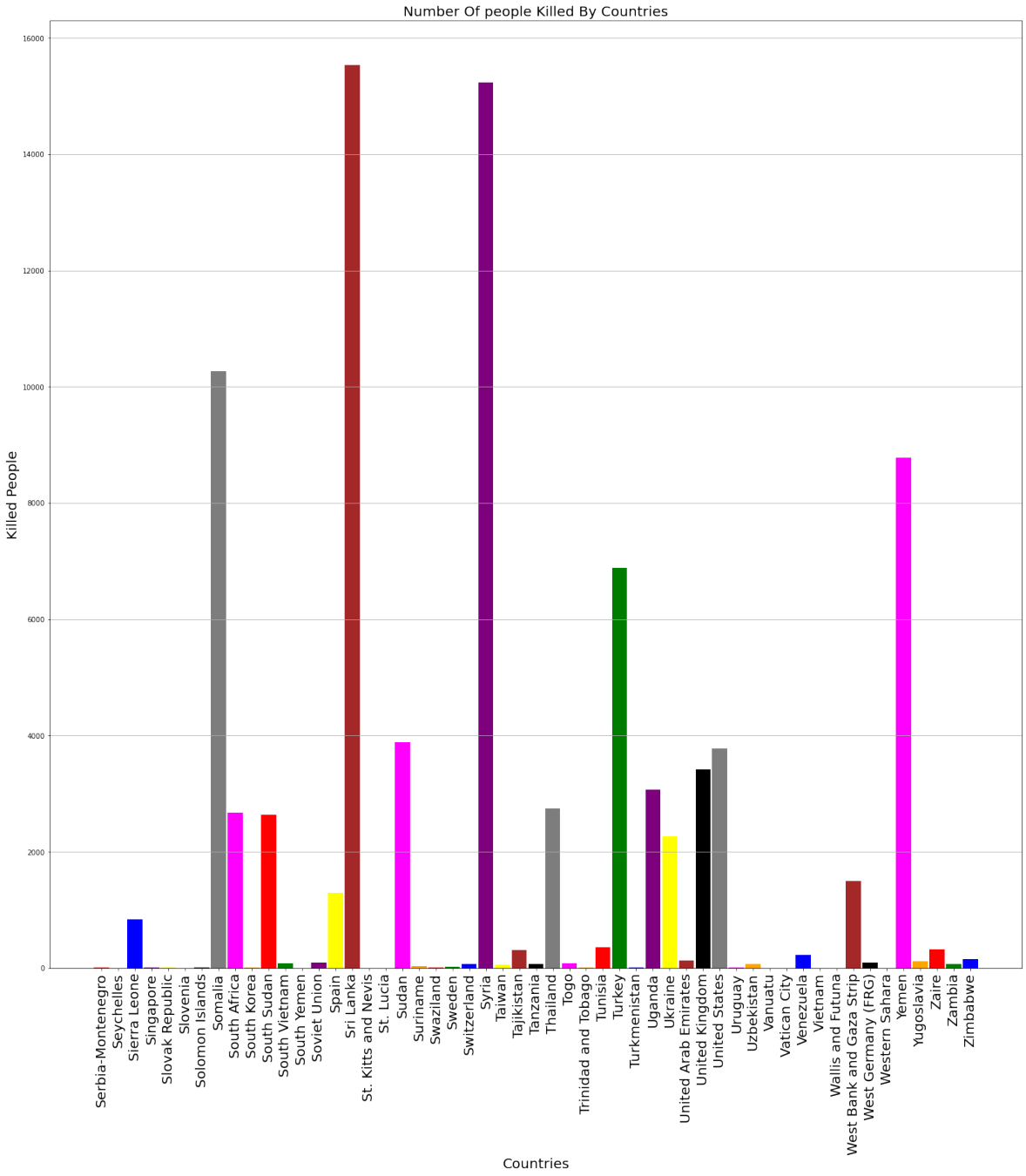
```
plt.xticks(index, labels, fontsize=20, rotation=90)
plt.title('Number Of people Killed By Countries', fontsize = 20)
plt.show()
```



In [ ]:

```
labels = countryKillFormatData.columns.tolist()
labels = labels[152:206]
index = np.arange(len(labels))
transpoze = countryKillFormatData.T
values = transpoze.values.tolist()
values = values[152:206]
values = [int(i[0]) for i in values]
colors = ['red', 'green', 'blue', 'purple', 'yellow', 'brown', 'black', 'gray',
fig, ax = plt.subplots(1, 1)
ax.yaxis.grid(True)
fig_size = plt.rcParams["figure.figsize"]
fig_size[0]=25
fig_size[1]=25
plt.rcParams["figure.figsize"] = fig_size
```

```
plt.bar(index, values, color = colors, width = 0.9)
plt.ylabel('Killed People', fontsize=20)
plt.xlabel('Countries', fontsize = 20)
plt.xticks(index, labels, fontsize=20, rotation=90)
plt.title('Number Of people Killed By Countries', fontsize = 20)
plt.show()
```



CONCLUSIONS :

From the above graphs, we can see that the countries where most people are killed are : Afghanisthan, Columbia, Iran, Sri lanka, Syria, Somalia, Yemen naming a few. Even though there is a perception that Muslims are supporters of terrorism, but Muslims are the people who are most damaged by terrorist attacks.

So after different type of analyzation ,Overall terrorism is suddenly increased from 2010 and I have ranked the Hot zone in terms of terrorist activities in all regions -

#Middle East & North Africa

Iraq

Overall having highest Number of terrorist rate and sudden increase in terrorist activity after year 2010

Libya

Overall having low terrorism activity, Second Highest in terms of successful terrorist activities which takes place in this country and an increased in terrorism rate after 2010.

Yemen

Overall having low terrorism activity, Third Highest in terms of successful terrorist activities which takes place in this country and an increased in terrorism rate after 2010.

#South Asia

Afghanistan

Overall having 1st Highest terrorist rates and 1st highest in terms of extended terrorist rates and a very high increase in terrorism rate after 2010.

Pakistan

Overall having 2nd highest terrorist rates but there is a good decrease in terrorist rates if we consider the 20s century and an increase in terrorism rate after 2010 but not as that of increase like Afghanistan and India.

India

Overall having 3rd highest terrorist rates but if we consider extended terrorist rate so this country is 2nd highest and a very high increase in terrorism rate after 2010.

#Sub-Saharan Africa

Nigeria

Overall having low terrorism activity but 1st Highest in terms of extended terrorist activities which takes place in this country and 2nd in terms of increased of terrorism rate after 2010.

Somalia

Overall having low terrorism activity but 2nd Highest in terms of extended terrorist activities which takes place in this country and 1st in terms of increased of terrorism rate after 2010.

Sudan

Overall having low terrorism activity but 3rd Highest in terms of extended terrorist activities which takes place in this country and a bit increase in terrorism rate after 2010.

#Solution

- More security surveillance required at Iraq.

- Noticing the trends of terrorism activities , hugely populated regions suffer major kill ratios. This must be controlled with strict border rules

- Impose strict rules in controlling the explosions produce worldwide limiting the number of supplies #High alert at densly populated locations in each city as it is noticed that terrorists target is private citizens and property

Thank you!!