

## GRIP @ The Sparks Foundation



Internship on

### Data Science and Business Analytics

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## Task\_4: Exploratory Data Analysis - Global Terrorism

### Preface: Terrorist Activities Around The World

- According to a survey, about 218 million people are affected by calamities, natural and man-made, per annum and about 68000 people loose their lives every year. The frequency of natural disasters like earthquakes, volcanoes, etc have remained broadly constant, but the number of terrorist activities have grown over the period.
- The aim of this notebook is to explore the terrorist events around the world. Interactive Plots and Animations are used in this notebook, for making the exploration easy and more informative. Folium is used for mapping, which is a wrapper over the Leaflet.js API. Some things that we will explore are the trends in terrorism over the year, the terrorism prone areas, etc. Since it is a geographic dataset, you will see a lot of geomaps.

Dataset Link (Kaggle): <https://www.kaggle.com/datasets/START-UMD/gtd>

## Objectives:

- Perform 'Exploratory Data Analysis' on dataset 'Global Terrorism'
- As a Security/Defense Analyst, try to find out the hot zone of terrorism.
- What all security issues and insights you can derive by EDA?

```
In [1]: from IPython.display import Image  
Image('global_Terrorism.jpeg', height=200, width=700)
```

Out[1]:



## 1. Import Required Libraries:

```
In [3]: import pandas as pd # data processing, CSV file I/O (e.g. pd.read_csv)  
import numpy as np # linear algebra  
import matplotlib.pyplot as plt  
import seaborn as sns  
import plotly.offline as py  
import plotly.graph_objs as go  
  
import math  
import warnings  
warnings.filterwarnings('ignore')
```

```
In [4]: # Load Dataset:  
terror = pd.read_csv('globalterrorism.csv', encoding='ISO-8859-1')
```

```
In [5]: # Print first five rows of the dataframe:  
terror.head()
```

```
Out[5]:
```

	eventid	iyear	imonth	iday	approxdate	extended	resolution	country	country_txt
0	1970000000001	1970	7	2	NaN	0	NaN	58	Dominican Republic
1	1970000000002	1970	0	0	NaN	0	NaN	130	Mexico
2	1970010000001	1970	1	0	NaN	0	NaN	160	Philippines
3	1970010000002	1970	1	0	NaN	0	NaN	78	Greece
4	1970010000003	1970	1	0	NaN	0	NaN	101	Japan

5 rows × 135 columns

## 2. Exploratory Data Analysis (EDA):

```
In [6]: # Checking shape of dataframe:
terror.shape
```

```
Out[6]: (181691, 135)
```

```
In [7]: # Checking name of columns in dataframe:
terror.columns
```

```
Out[7]: 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 [8]: # Renaming column names for our simplicity:
terror.rename(columns={'iyear': 'Year', 'imonth': 'Month', 'iday': 'Day', 'country': 'Country',
                      'region_txt': 'Region', 'attacktype1_txt': 'AttackType', 'nwoound': 'Wounded', 'summary': 'Summary', 'gname': 'Group',
                      'weaptype1_txt': 'Weapon_type', 'motive': 'Motive'}, inplace=True)
```

```
In [9]: # Selecting relevant columns only for further processing:
terror=terror[['Year', 'Month', 'Day', 'Country', 'state', 'Region', 'city', 'lat', 'lon', 'Wounded', 'Target', 'Summary', 'Group', 'Target_type', 'Weapon_type', 'Motive']]
```

```
In [10]: # Checking dataframe again:
terror.head()
```

```
Out[10]:
```

	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	t
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	Bom
4	1970	1	0	Japan	Fukouka	East Asia	Fukouka	33.580412	130.396361	Facilit

```
In [11]: # Checking shape of dataset again :
terror.shape
```

```
Out[11]: (181691, 18)
```

```
In [12]: # Checking column names again:
terror.columns
```

```
Out[12]: Index(['Year', 'Month', 'Day', 'Country', 'state', 'Region', 'city',
               'latitude', 'longitude', 'AttackType', 'Killed', 'Wounded', 'Target
               t',
               'Summary', 'Group', 'Target_type', 'Weapon_type', 'Motive'],
              dtype='object')
```

```
In [13]: # Checking the null values in dataset:
terror.isnull().sum()
```

```
Out[13]: 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
```

```
In [14]: # Checking Datatype of each column:
terror.info()
```

```
<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
```

## Most affected places in the world:

```
In [15]: print("Country with the most attacks:", terror['Country'].value_counts().i
print("City with the most attacks:", terror['city'].value_counts().index[1]
print("Region with the most attacks:", terror['Region'].value_counts().idx
print("Year with the most attacks:", terror['Year'].value_counts().idxmax(
print("Month with the most attacks:", terror['Month'].value_counts().idxma
print("Group with the most attacks:", terror['Group'].value_counts().index
print("Most Attack Types:", 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
```

## Word Cloud Visualisation:

```
In [16]: from wordcloud import WordCloud
from scipy import signal
cities = terror.state.dropna(False)
plt.subplots(figsize=(10,10))
wordcloud = WordCloud(background_color = 'white',
                      width = 512,
                      height = 384).generate(' '.join(cities))

plt.axis('off')
plt.imshow(wordcloud)
plt.show()
```



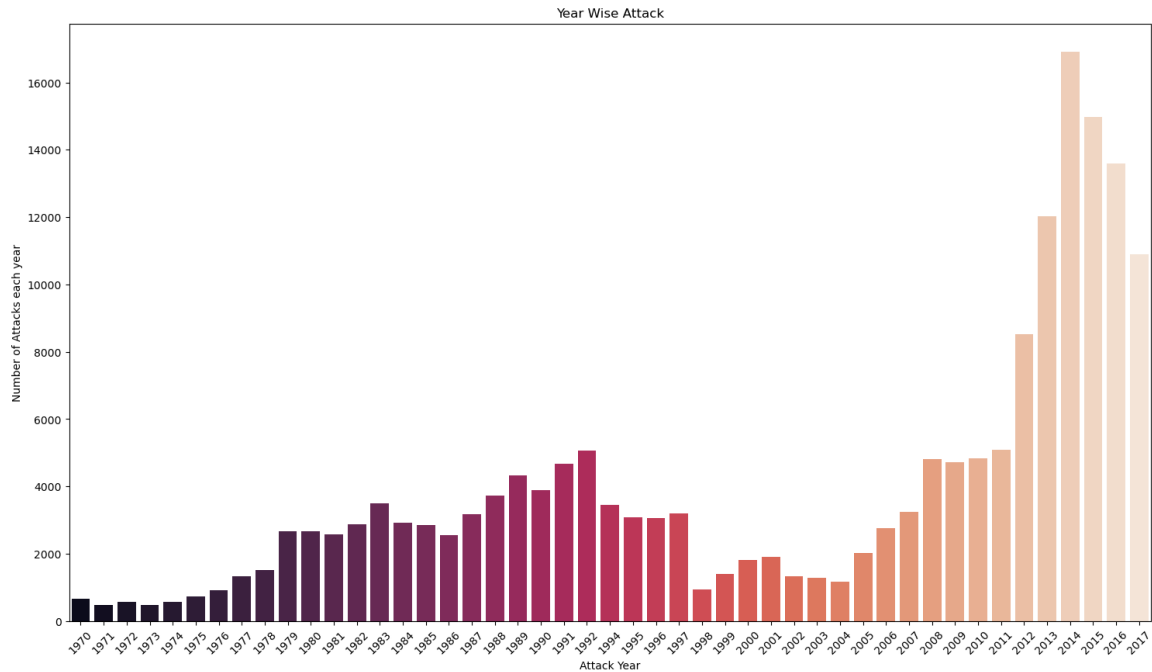
03/09/23, 22:23

```
Out[17]: 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
```

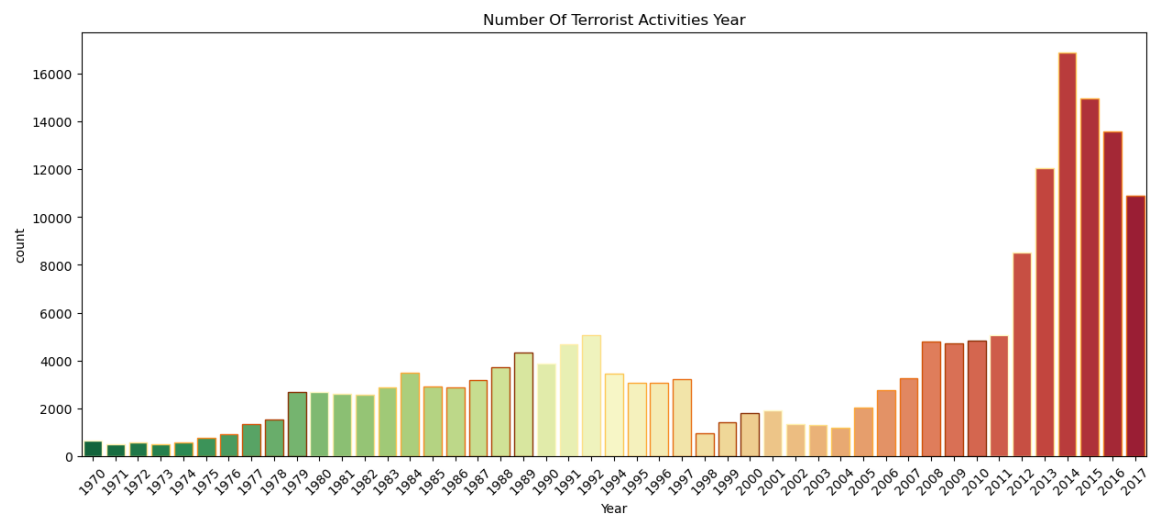
### 3. Data Visualization:

Number of Terrorist Activities Each Year:

```
In [18]: x_year = terror['Year'].unique()
y_count_years = 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 = 45)
plt.xlabel('Attack Year')
plt.ylabel('Number of Attacks each year')
plt.title('Year Wise Attack')
plt.show()
```



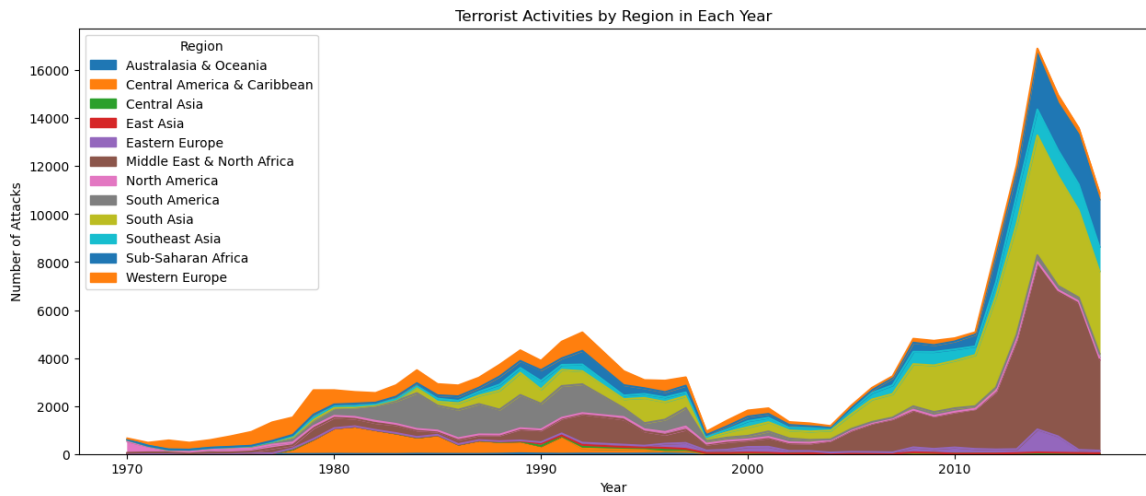
```
In [19]: plt.subplots(figsize=(15,6))
sns.countplot(x='Year', data=terror, palette='RdYlGn_r', edgecolor=sns.co
plt.xticks(rotation=45)
plt.title('Number Of Terrorist Activities Year')
plt.show()
```



Terrorist Activities by Region in Each Year Through Area Plot:



```
In [20]: pd.crosstab(terror.Year, terror.Region).plot(kind='area',figsize=(15,6))
plt.title('Terrorist Activities by Region in Each Year')
plt.ylabel('Number of Attacks')
plt.show()
```



```
In [21]: terror['Wounded'] = terror['Wounded'].fillna(0).astype(int)
terror['Killed'] = terror['Killed'].fillna(0).astype(int)
terror['casualties'] = terror['Killed'] + terror['Wounded']
```

Top 40 Worst Terror Attacks as to Keep the Heatmap Simple and Easy to Visualize:

```
In [22]: terror1 = terror.sort_values(by='casualties',ascending=False)[:40]
```

```
In [23]: heat=terror1.pivot_table(index='Country',columns='Year',values='casualti
heat.fillna(0,inplace=True)
```

```
In [24]: heat.head()
```

```
Out[24]:
```

	Year	1982	1984	1992	1994	1995	1996	1997	1998	2001	2004	2005	2006	20
<b>Country</b>														
<b>Afghanistan</b>		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	(
<b>Chad</b>		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	(
<b>Ethiopia</b>		0.0	0.0	500.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	(
<b>France</b>		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	(
<b>India</b>		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1005.0	(

Top 40 Worst Terror Attacks in History from 1982 to 2016:

```
In [25]: # Importing Some Necessary Libraries:
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, '#8
heatmap = go.Heatmap(z=heat.values, x=heat.columns, y=heat.index, colorscale=
data = [heatmap]
layout = go.Layout(
    title='Top 40 Worst Terror Attacks in History from 1982 to 2016',
    xaxis = dict(ticks='', nticks=20),
    yaxis = dict(ticks='')
)
fig = go.Figure(data=data, layout=layout)
py.iplot(fig, filename='heatmap', show_link=False)
```

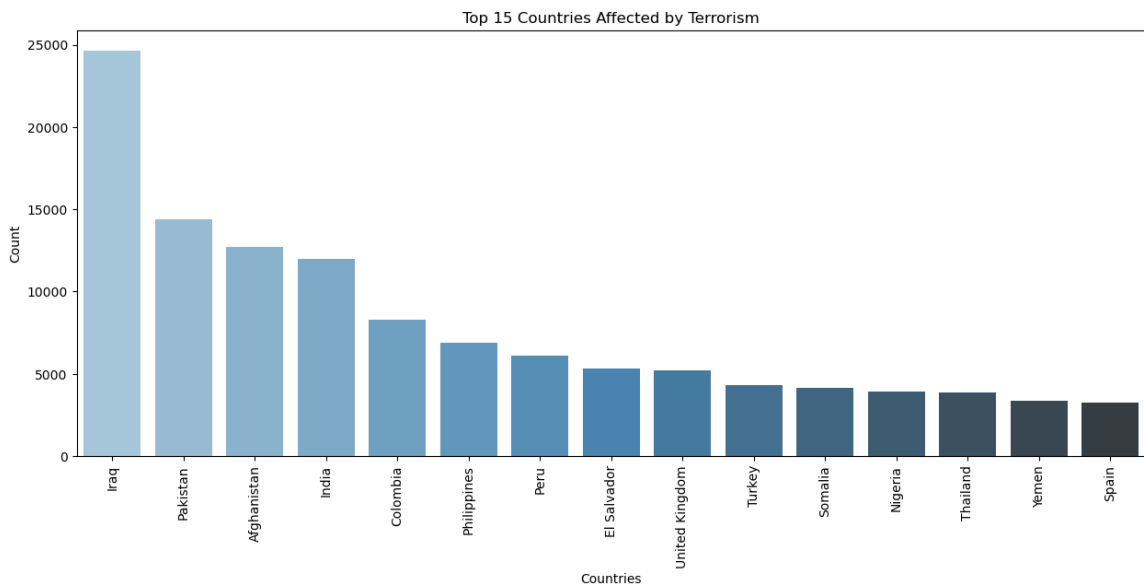
```
In [26]: # Get the top 15 countries and their counts
top_countries = terror['Country'].value_counts()[:15]
top_countries
```

```
Out[26]: 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
Name: Country, dtype: int64
```

## Top 15 Countries Affected by Terror Attacks:

```
In [27]: # Create a DataFrame from the top_countries series
top_countries_df = pd.DataFrame({'Country': top_countries.index, 'Count':

# Create the barplot
plt.subplots(figsize=(15, 6))
sns.barplot(x='Country', y='Count', data=top_countries_df, palette='Blues')
plt.title('Top 15 Countries Affected by Terrorism')
plt.xlabel('Countries')
plt.ylabel('Count')
plt.xticks(rotation=90)
plt.show()
```



## Terrorist Attacks of a Particular year and their Locations:

- Terrorist acts in the world over a certain year.

```
In [28]: filterYear = terror['Year'] == 1970
```

```

In [29]: filterData = terror[filterYear] # Filter data
reqFilterData = filterData.loc[:, 'city': 'longitude']
reqFilterData = reqFilterData.dropna() # Drop NaN values in latitude and
reqFilterDataList = reqFilterData.values.tolist()

In [30]: # Import Map visualization library:
import folium
from folium.plugins import MarkerCluster

# Create a map centered at coordinates (0, 30) with specified tiles and z
map = folium.Map(location=[0, 30], tiles='CartoDB Positron', zoom_start=2

# Create a MarkerCluster to group markers
marker_cluster = MarkerCluster().add_to(map)

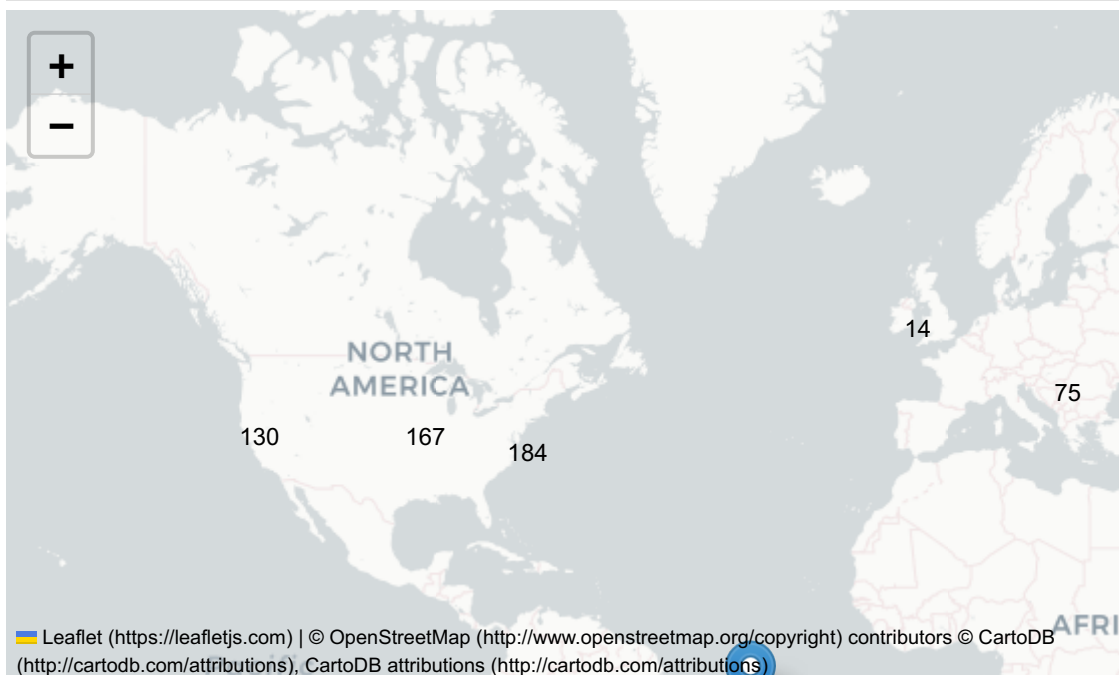
for data_point in reqFilterDataList:
    name = data_point[0]
    latitude = data_point[1]
    longitude = data_point[2]

    # Create a marker for each data point
    folium.Marker(
        location=[latitude, longitude],
        popup=name # Display the name as a popup when the marker is clic
    ).add_to(marker_cluster)

# Display the map
map

```

Out[30]:



## Observation:

- 84% of the terrorist attacks in 1970 were carried out on the American continent.
- In 1970, the Middle East and North Africa, currently the center of wars and terrorist attacks, faced only one terrorist attack.\*\*

## Terrorist Organizations that have Carried Out the Most Attacks:

- Note: Indexing from 1 as to negate the value of 'Unknown'

In [31]: `terror.Group.value_counts()[1:15]`

```
Out[31]: 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
Name: Group, dtype: int64
```

In [32]: `test = terror[terror.Group.isin(['Shining Path (SL)', 'Taliban', 'Islamic S`

In [33]: `test.Country.unique()`

```
Out[33]: 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 [34]: `terror_df_group = terror.dropna(subset=['latitude', 'longitude'])`

In [35]: `terror_df_group = terror_df_group.drop_duplicates(subset=['Country', 'Grou`

In [36]: `terrorist_groups = terror.Group.value_counts()[1:8].index.tolist()`  
`terror_df_group = terror_df_group.loc[terror_df_group.Group.isin(terroris`  
`print(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 [37]: `map = folium.Map(location=[20, 0], tiles="CartoDB positron", zoom_start=2`  
`markerCluster = folium.plugins.MarkerCluster().add_to(map)`  
`for i in range(0, len(terror_df_group)):`  
 `folium.Marker([terror_df_group.iloc[i]['latitude'], terror_df_group.il`  
 `popup='Group: {}<br>Country: {}'.format(terror_df_group.i`  
 `terror_df_group.iloc[i]['Country'])).add_to(map)`  
`map`

Out[37]:



## Observation:

- The Above map looks untidy even though it can be zoomed in to view the Country in question.
- Hence in the next chart, Folium's Marker Cluster is used to cluster these icons. This makes it visually pleasing and highly interactive.

```
In [38]: m1 = folium.Map(location=[20, 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(terror_df_group)):
    marker = folium.Marker([terror_df_group.iloc[i]['latitude'], terror_df_group.iloc[i]['longitude']],
        popup='Group: {}<br>Country: {}'.format(terror_df_group.iloc[i]['Group'], terror_df_group.iloc[i]['Country'])
    folium.Popup(popup).add_to(marker)
    marker_cluster.add_child(marker)
marker_cluster.add_to(m1)
folium.TileLayer('openstreetmap').add_to(m1)
folium.TileLayer('cartodbdark_matter').add_to(m1)
folium.TileLayer('stamentoner').add_to(m1)
folium.LayerControl().add_to(m1)

m1
```

Out [38]:

In [39]: `terror.head()`

Out [39]:

	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	t
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	Bom
4	1970	1	0	Japan	Fukouka	East Asia	Fukouka	33.580412	130.396361	Facilit

## Total Number of People Killed in Terror Attack:

In [40]: `killData = terror.loc[:, 'Killed']`  
`print('Number of people killed by terror attack:', int(sum(killData.dropna())))`  
 Number of people killed by terror attack: 411868

## Types of Attacks that Caused Deaths:

In [41]: `attackData = terror.loc[:, 'AttackType']`  
`typeKillData = pd.concat([attackData, killData], axis=1)`

In [42]: `typeKillData.head()`

Out [42]:

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

In [43]: `typeKillFormatData = typeKillData.pivot_table(columns='AttackType', value  
typeKillFormatData`

Out [43]:

AttackType	Armed Assault	Assassination	Bombing/Explosion	Facility/Infrastructure Attack	Hijacking	Hostage Taking (Barricade Incident)
Killed	160297	24920	157321	3642	3718	

In [44]:

```
import matplotlib.pyplot as plt

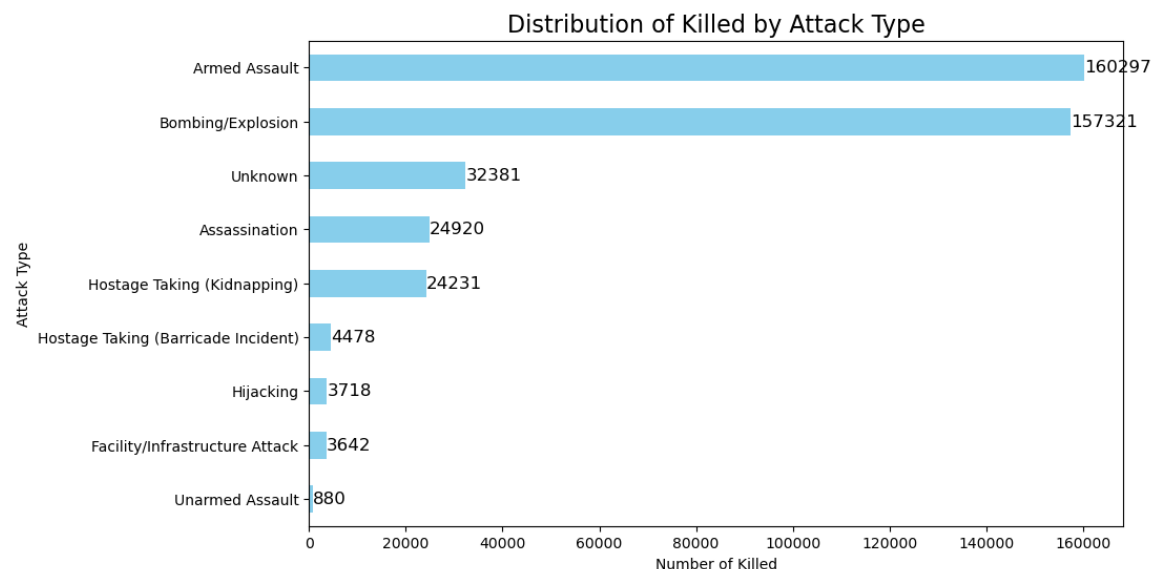
# Assuming you have a DataFrame named killData with columns AttackType and Killed

# Group the data by AttackType and sum the number of Killed for each AttackType
attack_type_counts = typeKillData.groupby('AttackType')['Killed'].sum()

# Create a horizontal bar graph
plt.figure(figsize=(10, 6))
ax = attack_type_counts.sort_values(ascending=False).plot(kind='barh', color='blue')
plt.title('Distribution of Killed by Attack Type', fontsize=16)
plt.xlabel('Number of Killed')
plt.ylabel('Attack Type')
plt.gca().invert_yaxis() # Invert the y-axis to display the highest counts at the top

# Add labels with the number of killed on each bar
for i, v in enumerate(attack_type_counts.sort_values(ascending=False)):
    ax.text(v + 3, i, str(v), color='black', va='center', fontsize=12)

# Display the chart
plt.show()
```





## Observation:

- Armed assault and bombing/explosion are seen to be the cause of 77% of the deaths in these attacks. This rate is why these attacks are used so many times in terrorist actions.
- This is how dangerous weapons and explosives are to the world.

In [45]: `terror.head(2)`

Out[45]:

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

## Number of People Killed in Terrorist Attacks by Countries:

In [46]: `countryData = terror.loc[:, 'Country']`  
`countryKillData = pd.concat([countryData, killData], axis=1)`

In [47]: `countryKillFormatData = countryKillData.pivot_table(columns='Country', values='Killed')`

Out[47]:

Country	Afghanistan	Albania	Algeria	Andorra	Angola	Antigua and Barbuda	Argentina	Armenia	Australia
Killed	39384	42	11066	0	3043	0	490	37	

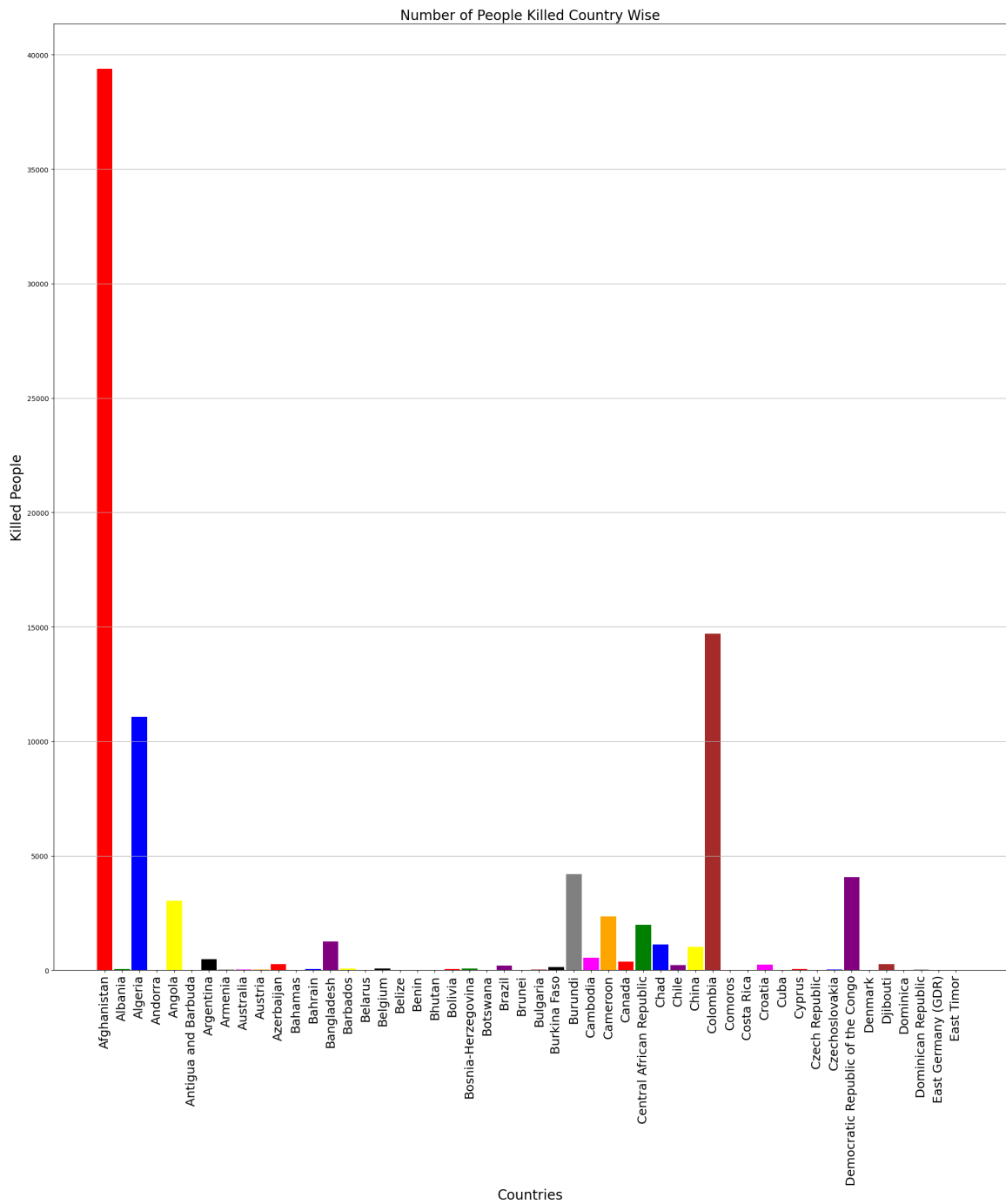
1 rows × 205 columns

In [48]: `fig_size = plt.rcParams["figure.figsize"]`  
`fig_size[0]=25`  
`fig_size[1]=25`  
`plt.rcParams["figure.figsize"] = fig_size`

```
In [49]: labels = countryKillFormatData.columns.tolist()
labels = labels[:50] # 50 bar provides nice view
index = np.arange(len(labels))
transpose = countryKillFormatData.T
values = transpose.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', '

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=18, rotation=90)
plt.title('Number of People Killed Country Wise', fontsize = 20)
plt.show()
```



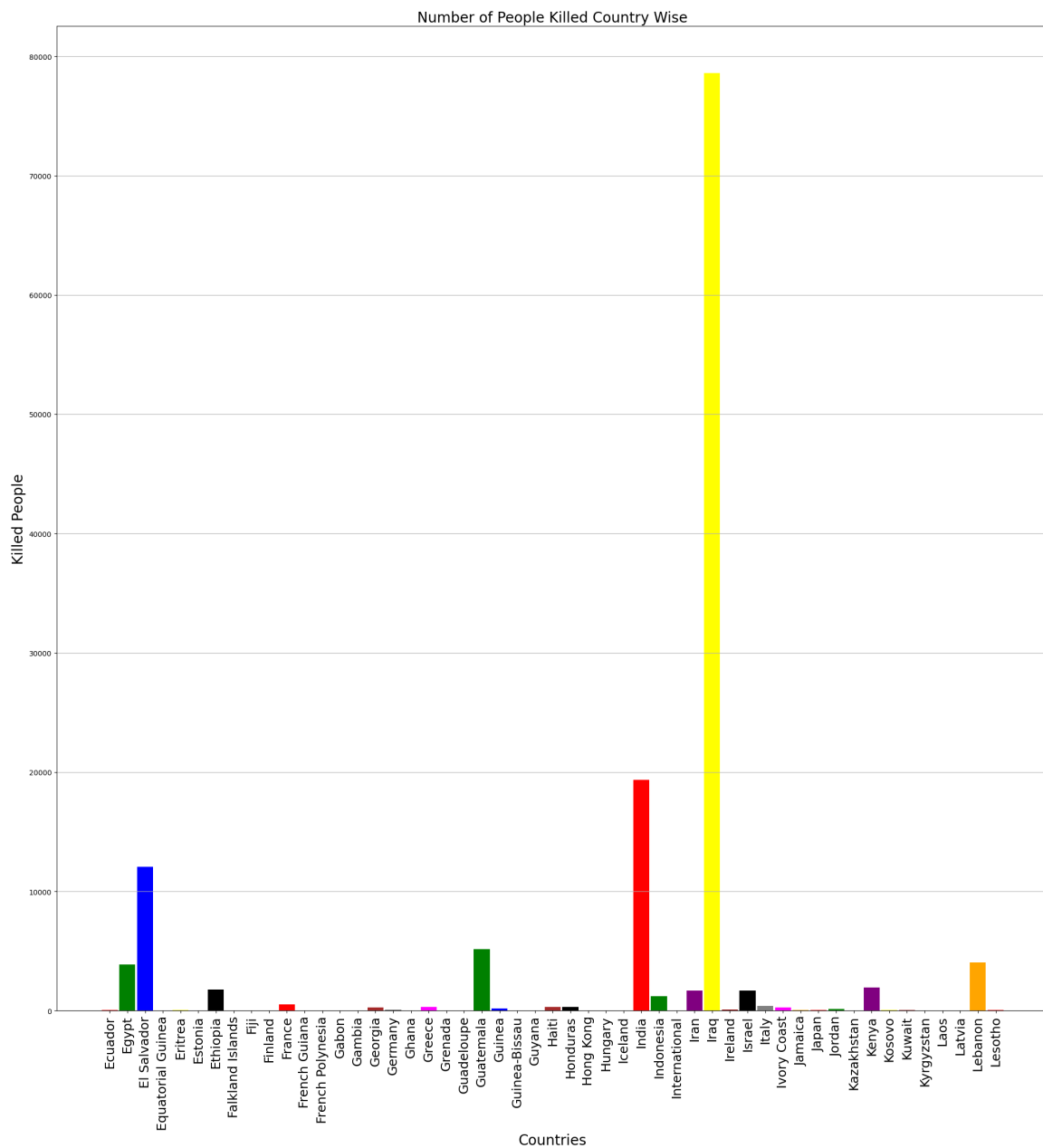
```

In [50]: labels = countryKillFormatData.columns.tolist()
labels = labels[50:101]
index = np.arange(len(labels))
transpose = countryKillFormatData.T
values = transpose.values.tolist()
values = values[50:101]
values = [int(i[0]) for i in values]
colors = ['red', 'green', 'blue', 'purple', 'yellow', 'brown', 'black', '

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=18, rotation=90)
plt.title('Number of People Killed Country Wise', fontsize = 20)
plt.show()

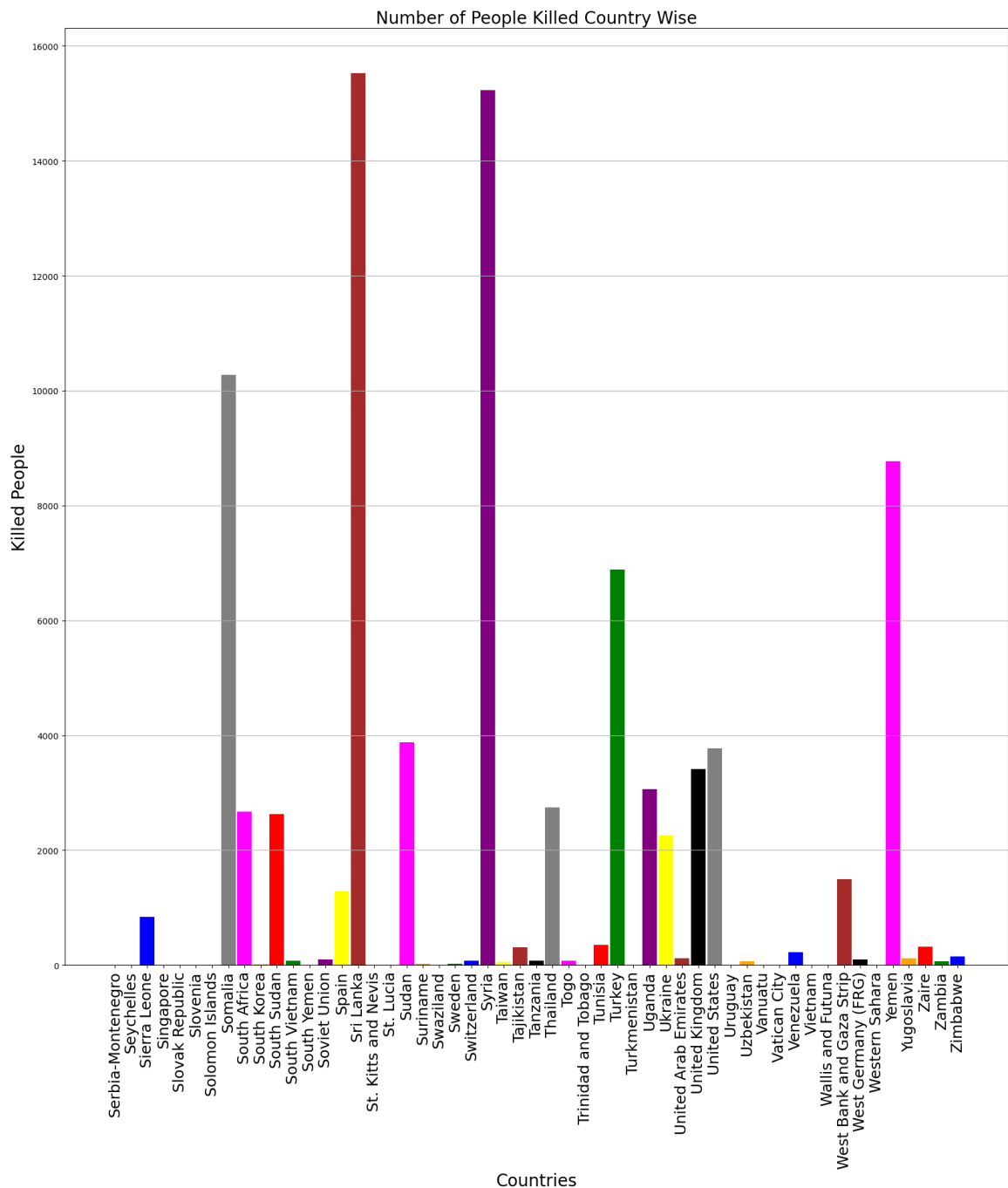
```



```
In [51]: labels = countryKillFormatData.columns.tolist()
labels = labels[152:206]
index = np.arange(len(labels))
transpose = countryKillFormatData.T
values = transpose.values.tolist()
values = values[152:206]
values = [int(i[0]) for i in values]
colors = ['red', 'green', 'blue', 'purple', 'yellow', 'brown', 'black', '

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=18, rotation=90)
plt.title('Number of People Killed Country Wise', fontsize = 20)
plt.show()
```



## Observations:

- Terrorist acts in the Middle East and northern Africa have been seen to have fatal consequences. The Middle East and North Africa are seen to be the places of serious terrorist attacks.
- In addition, even though there is a perception that Muslims are supporters of terrorism, Muslims are the people who are most damaged by terrorist attacks. If you look at the graphics, it appears that Iraq, Afghanistan and Pakistan are the most damaged countries.

Thank You

In [ ]:

