data = pd.read_csv("D:\\stock\globalt data.head() eventid iyear imonth iday approxda 1 1.970000e+11 1970 7 2 Na 1 1.970000e+11 1970 0 0 Na 2 1.970010e+11 1970 1 0 Na 3 1.970010e+11 1970 1 0 Na 4 1.970010e+11 1970 1 0 Na 5 rows × 135 columns data.columns.values	Ate extended resolution country country_txt region aN 0 NaN 58 Dominican Republic 2 aN 0 NaN 130 Mexico 1 aN 0 NaN 160 Philippines 5 aN 0 NaN 78 Greece 8	addnotesscite1scite2scite3dbsourceINT_LOGINT_LOGNaNNaNNaNNaNPGIS0NaNNaNNaNNaNPGIS0NaNNaNNaNNaNPGIS-9NaNNaNNaNNaNPGIS-9NaNNaNNaNNaNPGIS-9	T_IDEO INT_MISC INT_ANY related 0 0 0 NaN 1 1 1 NaN -9 1 1 NaN -9 1 1 NaN -9 1 1 NaN	
<pre>array(['eventid', 'iyear', 'imonth',</pre>	try_txt', 'region', 'region_txt', ', 'longitude', 'specificity', ry', 'crit1', 'crit2', 'crit3', lternative_txt', 'multiple', /pe1', 'attacktype1_txt', t', 'attacktype3', 'attacktype3_txt', 'targsubtype1', 'targsubtype1_txt', 'natlty1_txt', 'targtype2', ', 'targsubtype2_txt', 'corp2', _txt', 'targtype3', 'targtype3_txt', txt', 'corp3', 'target3', 'natlty3', txt', 'gname2', 'gsubname2', ', 'guncertain1', 'guncertain2', hperps', 'nperpcap', 'claimed', 'claim2', 'claimmode2',			
<pre>'compclaim', 'weaptype1', 'weap 'weapsubtype1_txt', 'weaptype2' 'weapsubtype2_txt', 'weaptype3' 'weapsubtype3_txt', 'weaptype4' 'weapsubtype4_txt', 'weapdetail' 'nwound', 'nwoundus', 'nwoundte' 'propextent_txt', 'propvalue', 'nhostkid', 'nhostkidus', 'nhostkidijcountry', 'ransom', 'ran' 'ransompaid', 'ransompaidus', 'hostkidoutcome_txt', 'nrelease' 'scite3', 'dbsource', 'INT_LOG' 'related'], dtype=object)</pre> data.rename(columns={'iyear':'Year','	otype1_txt', 'weapsubtype1', ', 'weaptype2_txt', 'weapsubtype2', ', 'weaptype3_txt', 'weapsubtype3', ', 'weaptype4_txt', 'weapsubtype4', l', 'nkill', 'nkillus', 'nkillter', e', 'property', 'propextent', 'propcomment', 'ishostkid', urs', 'ndays', 'divert', nsomamt', 'ransomamtus',	ry_txt':'Country','region_txt':'Region','provs' 1_txt':'Targettype','weaptype1_txt':'Weapon','	tate':'State','city':'City','latitude':'latitu nkill':'kill',	de',
'Wound', 'target1', 'sum data.head() Year Month day Country State 0 1970 7 2 Dominican Republic Na 1 1970 0 0 Mexico Fede 2 1970 1 0 Philippines Tark 3 1970 1 0 Greece Atti	AN Central America & Caribbean Santo Domingo 18.456792 -69.951 ral North America Mexico city 19.371887 -99.086 lac Southeast Asia Unknown 15.478598 120.598 ica Western Europe Athens 37.997490 23.762	ude Attacktype kill Wound .164 Assassination 1.0 0.0 Ju .6624 Hostage Taking (Kidnapping) 0.0 0.0 Nadine Chav .0741 Assassination 1.0 0.0 .1728 Bombing/Explosion NaN NaN U.	Al, daughter NaN 23rd of September Communist League Employee NaN Unknown S. Embassy NaN Unknown	Targettype Weapon motive Private Citizens & Property Unknown NaN Government (Diplomatic) Unknown NaN Journalists & Media Unknown NaN Government (Diplomatic) Explosives NaN Government (Diplomatic) Incendiany NaN
4 1970 1 0 Japan Fukou data.shape (181691, 18) data.isnull().sum() Year 0 Month 0 day 0 Country 0 State 421 Region 0	ka East Asia Fukouka 33.580412 130.396	361 Facility/Infrastructure Attack NaN NaN U.S	S. Consulate NaN Unknown	Government (Diplomatic) Incendiary NaN
City	Θ)			
<pre>data['Casualities'] = data['kill'] + data.info() <class 'pandas.core.frame.dataframe'=""> RangeIndex: 181691 entries, 0 to 18169 Data columns (total 19 columns): # Column</class></pre>	90 /pe t64 t64 t64 tject ject ject			
7 latitude 177135 non-null flo 8 longitude 177134 non-null flo 9 Attacktype 181691 non-null obj 10 kill 181691 non-null flo 11 Wound 181691 non-null flo 12 target1 181055 non-null obj 13 summary 115562 non-null obj 14 Group 181691 non-null obj 15 Targettype 181691 non-null obj 16 Weapon 181691 non-null obj 17 motive 50561 non-null obj 18 Casualities 181691 non-null flo dtypes: float64(5), int64(3), object(2) memory usage: 26.3+ MB data.describe() Year Month	pat64 ject pat64 pat64 pat64 pat64 ject ject ject ject ject ject	nd Casualities		
mean 2002.638997 6.467277 15.50 std 13.259430 3.388303 8.81 min 1970.000000 0.000000 0.00 25% 1991.000000 4.000000 8.00 50% 2009.000000 6.000000 15.00 75% 2014.000000 9.000000 23.00	23.498343 -4.586957e+02 2.266860 2.88329 24045 18.569242 2.047790e+05 11.227057 34.30974 20000 -53.154613 -8.618590e+07 0.000000 0.00000 20000 11.510046 4.545640e+00 0.000000 0.00000 20000 31.467463 4.324651e+01 0.000000 0.00000 20000 34.685087 6.871033e+01 2.000000 2.00000 20000 74.633553 1.793667e+02 1570.000000 8191.00000	47 40.555416 00 0.000000 00 0.000000 00 1.000000 00 4.000000		
<pre>sns.barplot(x = year,</pre>	ear',fontsize=20)			
Number of Attacks Each Year 10000 10000 10000 10000				
2000 - 20	Attacking Year Olot(kind='area', stacked=False, figsize=(20,10)) Region In Each Year', fontsize=25)			
plt.ylabel('Number of Attacks', fontsi plt.xlabel("Year", fontsize=20) plt.show() Region Australasia & Oceania Central America & Caribbean Central Asia East Asia East Asia Eastern Europe Middle East & North Africa North America South America South Asia Southeast Asia Sub-Saharan Africa	Terrorist Activities By Regio	on In Each Year		
Western Europe Western Europe				
attack = data.Country.value_counts()[attack Iraq	Year ::10]	2000 2010		
Peru 6096 El Salvador 5320 United Kingdom 5235 Turkey 4292 Name: Country, dtype: int64 data.Group.value_counts()[1:10] Taliban Islamic State of Iraq and the Levant (Shining Path (SL)) Farabundo Marti National Liberation Franchischer Al-Shabaab New People's Army (NPA) Irish Republican Army (IRA) Revolutionary Armed Forces of Colombia Boko Haram Name: Group, dtype: int64	4555 cont (FMLN) 3351 3288 2772			
plt.subplots(figsize=(20,10))	<pre>ints()[:10].index,data['Country'].value_counts()[:10 ontsize = 20)</pre> Top Countries Affe			
20000 - 15000 - 10000 -				
df = data[['Year', 'kill']].groupby(['fig, ax4 = plt.subplots(figsize=(20,1 df.plot(kind='bar', alpha=0.7, ax=ax4) plt.xticks(rotation = 90)	Afghanistan India Colombia Philippin Countries Year']).sum()	es Peru El Salvador United Kingdom	Turkey	
plt.title("People Died Due To Attack" plt.ylabel("Number of killed peope", f plt.xlabel('Year', fontsize=20) top_side = ax4.spines["top"] top_side.set_visible(False) right_side = ax4.spines["right"] right_side.set_visible(False)	People Died Due To	Attack	kill	
Number of killed peope				
<pre>plt.xticks(rotation = 20) plt.xlabel("City", fontsize=20) plt.ylabel("Number of attack", fontsiz</pre>	Year ().sort_values('City',axis=0,ascending=False).head(1			
plt.title("Top 10 most effected city" plt.show() Top 10 m 10000 - 8000	nost effected city City			
<pre>data['Attacktype'].value_counts().plo plt.xticks(rotation = 90) plt.xlabel("Attacktype",fontsize=15) plt.ylabel("Number of attack",fontsiz plt.title("Name of attacktype",fontsi plt.show()</pre>	City City ot(kind='bar', figsize=(10,5), color='pink') ze=15) ze=20)			
Number of attack 60000 - 60000 - 60000 - 60000 - 60000 - 60000 - 60000 - 60000 - 60000 - 60000 - 60000 - 60000 - 60000 - 600000 - 600000 - 600000 - 60000 - 60000 - 60000 - 60000 - 60000 - 60000 - 60000 - 60	e of attacktype			
data[['Attacktype','kill']].groupby([plt.xticks(rotation=90) plt.title("Number of killed ",fontsiz	Attacktype "Attacktype"], axis=0).sum().plot(kind='bar', figsize Hjjacking - Hjjacking (Barricade Incident)	=(10,5),color=['skyblue'])		
plt.ylabel('Number of people', fontsize plt.xlabel('Attack type', fontsize=20) plt.show() Nu 160000 - 140000 - 120000 - 1000000 - 100000 - 100000 - 100000 - 100000 - 100000 - 1000000 - 1000000 - 100000 - 100000 - 100000 - 100000 - 1000000 - 100000 - 100	mber of killed			
Armed Assault - Assassination - Bombing/Explosion -	Hijacking - Hostage Taking (Barricade Incident) - Hostage Taking (Kidnapping) - Unarmed Assault -			
<pre>plt.xticks(rotation=90) plt.title("Number of wounded ",fonts plt.ylabel('Number of people',fontsiz plt.xlabel('Attack type',fontsize=15) plt.show()</pre>	ze=15)	e=(10,5),color=['orange'])		
Armed Assault - Assassination - Bombing/Explosion - Bombing/Explosion - Assassination - Assass	Hijacking - king (Barricade Incident) - Stage Taking (Kidnapping) - Unarmed Assault -			
<pre>plt.xticks(rotation=90) plt.xlabel("Attacktype", fontsize=15) plt.ylabel("count", fontsize=15) plt.title("Attack per year", fontsize= plt.show()</pre>	Attack type er=data['Targettype'].value_counts().index,palette=" =20) ack per year	gist_heat",edgecolor=sns.color_palette("mako"));	
Property - General - Good - Good - Good - Good - General	omatic) - e Militia - ix Media - al Party - Aircraft - NGO - Tourists - aritime - Supply - Supply - Other -			
data['Group'].value_counts().to_frame plt.title("Top 10 terrorist group att plt.xlabel("terrorist group name",for plt.ylabel("Attack number",fontsize=1 plt.show()	Educational lus Encoument (Dipl Airborts/Non-State Airborts & Airborts	purple',figsize=(10,5))		
7000 - 6000 - 5000 - 2000 - 1000 - 0	Group			
Taliban - Islamic State of Iraq and the Levant (ISIL) - Shining Path (SL) - Shining Path (SL) - Farabundo Marti National Liberation Front (FMLN) -	do New People's Army (NPA) Boko Haram Boko Haram Rurdistan Workers' Party (PKK)			
Group O Islamic State of Iraq and the Levant (ISIL)	Iraq 31058.0 Afghanistan 29269.0 Nigeria 16917.0 Peru 11595.0 Sri Lanka 10928.0 Somalia 8176.0	('Unknown').reset_index().head(10)		
<pre>7</pre>	Syria 6883.0 Nicaragua 6630.0 Pakistan 6014.0 Pror attack:', int(sum(kill.dropna())))	aking (Barricade Incident) Hostago Taldina (Incident)	med Assault Unknown	
kill 160297.0 24920.0 countryKill = data.pivot_table(column countryKill) Country Afghanistan Albania Algeria Andorr	hbing/Explosion Facility/Infrastructure Attack Hijacking Hostage Ta 157321.0 3642.0 3718.0 hs='Country', values='kill', aggfunc='sum') ra Angola Antigua and Barbuda Argentina Armenia Australia 0 3043.0 0.0 490.0 37.0 23.0	4478.0 24231.0 Austria Vietnam Wallis and Futuna West Bank and Gaz	880.0 32381.0	goslavia Zaire Zambia Zimbabwe 119.0 324.0 70.0 154.0