011 ⁺ "	<pre>import seaborn as sns #import afinn as Afinn df=pd.read_csv(r"C:\Users\KARTIKI\Downloads\news_data.csv") df.head()</pre>
Out[7]:	headline description date Gaza's journalists: `Targets' or `casual Gaza's journalists are being killed at an u 23-12-2023 Israel orders `death corridor' evacuati Hundreds of Palestinians were forced to eva 23-12-2023 Israel's war on Gaza: List of key events, day 78 UN Security Council passes resolution 23-12-2023
	3 US accuses Iran of being 'deeply involved' White House says Tehran is providing Yemeni 23-12-2023 4 Israeli forces continue attacks amid crit The watered-down resolution boosting aid 23-12-2023 cleaning and processing
In [8]: Out[8]:	df.shape (3338, 3) df.info()
	<pre>class 'pandas.core.frame.DataFrame'> RangeIndex: 3338 entries, 0 to 3337 Data columns (total 3 columns): # Column Non-Null Count Dtype </pre>
in [10]:	2 date 3338 non-null object dtypes: object(3) memory usage: 78.4+ KB df["date"]=pd.to_datetime(df["date"]) C:\Users\KARTIKI\AppData\Local\Temp\ipykernel_10536\1303019909.py:1: UserWarning: Parsing dates in %d-%m-%Y format when dayfirst=False (the default) was specified. Pass `dayfirst=True` or specify a format to silence this warning.
, 	<pre>df["date"]=pd.to_datetime(df["date"]) df.info() <class 'pandas.core.frame.dataframe'=""> RangeIndex: 3338 entries, 0 to 3337 Data columns (total 3 columns): # Column Non-Null Count Dtype</class></pre> # Column Non-Null Count Dtype
ļ	0 headline 3338 non-null object 1 description 3338 non-null object 2 date 3338 non-null datetime64[ns] dtypes: datetime64[ns](1), object(2) memory usage: 78.4+ KB
in [12]:	<pre>checking Null values df.isnull().sum() headline 0 description 0 date 0</pre>
n [13]: Out[13]:	df.head() headline description date Gaza's journalists: `Targets' or `casual Gaza's journalists are being killed at an u 2023-12-23
	1 Israel orders 'death corridor' evacuati Hundreds of Palestinians were forced to eva 2023-12-23 2 Israel's war on Gaza: List of key events, day 78 UN Security Council passes resolution 2023-12-23 3 US accuses Iran of being 'deeply involved' White House says Tehran is providing Yemeni 2023-12-23 4 Israeli forces continue attacks amid crit The watered-down resolution boosting aid 2023-12-23
n [16]:	installing afinn class libraries for sentiments analysis !pip install afinn
	Collecting afinn Using cached afinn-0.1.tar.gz (52 kB) Preparing metadata (setup.py): started Preparing metadata (setup.py): finished with status 'done' Building wheels for collected packages: afinn Building wheel for afinn (setup.py): started Building wheel for afinn (setup.py): finished with status 'done' Created wheel for afinn: filename=afinn-0.1-py3-none-any.whl size=53437 sha256=a7a988916f08bb2be5556e30aba47da4d02c255db47c576b4f73df7b0ef67585
:	Stored in directory: c:\users\kartiki\appdata\local\pip\cache\wheels\ee\d3\a0\f9255ebac29886acb1c28b35b37523f6399677fa06be379f25 Successfully built afinn Installing collected packages: afinn Successfully installed afinn-0.1 import afinn af=afinn.Afinn()
	<pre>def senti(x): return af.score(x) df["headline_score"]=df["headline"].apply(senti) df["description_score"]=df["description"].apply(senti)</pre> sentiments score of headlines and description
	df.head()
	Israel orders 'death corridor' evacuati Hundreds of Palestinians were forced to eva 2023-12-23 -2.0 -1.0 Israel's war on Gaza: List of key events, day 78 UN Security Council passes resolution 2023-12-23 -2.0 1.0 US accuses Iran of being 'deeply involved' White House says Tehran is providing Yemeni 2023-12-23 0.0 -2.0 Israeli forces continue attacks amid crit The watered-down resolution boosting aid 2023-12-23 0.0 1.0
in [20]: Out[20]:	<pre>df["headline_score"].value_counts() headline_score 0.0 1389 -2.0 681</pre>
	-3.0 467 -1.0 232 -4.0 157 -5.0 118 1.0 112 2.0 89 -6.0 28 3.0 26
	-7.0
n [21]: Out[21]:	-11.0 1 Name: count, dtype: int64 df.head() headline description date headline_score description_score Gaza's journalists: 'Targets' or 'casual Gaza's journalists are being killed at an u 2023-12-23 -2.0 -5.0
	Israel orders 'death corridor' evacuati Hundreds of Palestinians were forced to eva 2023-12-23 -2.0 -1.0 Israel's war on Gaza: List of key events, day 78 UN Security Council passes resolution 2023-12-23 -2.0 1.0 US accuses Iran of being 'deeply involved' White House says Tehran is providing Yemeni 2023-12-23 0.0 -2.0 Israeli forces continue attacks amid crit The watered-down resolution boosting aid 2023-12-23 0.0 1.0
ut[22]:	4 Israeli forces continue attacks amid crit The watered-down resolution boosting aid 2023-12-23 0.0 1.0 df .shape (3338, 5) df .loc[df["headline_score"]<0].count()
out[23]:	headline 1712 description 1712 date 1712 headline_score 1712 description_score 1712 dtype: int64
n [24]: Out[24]:	<pre>df.loc[df["headline_score"]>0].count() headline</pre>
n [25]: Out[25]:	<pre>df.loc[df["headline_score"]==0].count()</pre> headline
	creating new columns for year, month, day df["year"]=df["date"].dt.year
in [28]:	<pre>df["month"]=df["date"].dt.month_name() df["day"]=df["date"].dt.day df.head()</pre>
out[29]:	description date headline description date headline_score description_score year month day Gaza's journalists: `Targets' or `casual Gaza's journalists are being killed at an u 2023-12-23 -2.0 -5.0 2023 December 23 Israel orders `death corridor' evacuati Hundreds of Palestinians were forced to eva 2023-12-23 -2.0 -1.0 2023 December 23 Israel's war on Gaza: List of key events, day 78 UN Security Council passes resolution 2023-12-23 -2.0 1.0 2023 December 23
in [30]:	3 US accuses Iran of being 'deeply involved' White House says Tehran is providing Yemeni 2023-12-23 0.0 -2.0 2023 December 23 4 Israeli forces continue attacks amid crit The watered-down resolution boosting aid 2023-12-23 0.0 1.0 2023 December 23 #Negative News headlines neg=df.loc[(df["year"]==2023)&(df["headline_score"]<0)].count()
out[30]:	headline 1288 description 1288 date 1288 headline_score 1288 description_score 1288 description_score 1288 year 1288
	month day 1288 day 1288 dtype: int64 #Positive News headlines df.loc[(df["year"]==2023)&(df["headline_score"]==0)].count() headline 950
	description 950 date 950 headline_score 950 description_score 950 year 950 month 950 day 950 dtype: int64
n [32]: Out[32]:	<pre>#Neautral News Headlines df.loc[(df["year"]==2023)&(df["headline_score"]>0)].count() headline</pre>
in [33]:	headline_score
in [34]: Dut[34]:	analysing the negative impact headlines and descriptions sentiments neg headline description date headline_score description_score year month day
	O Gaza's journalists: `Targets' or `casual Gaza's journalists are being killed at an u 2023-12-23 -2.0 -5.0 2023 December 23 1 Israel orders `death corridor' evacuati Hundreds of Palestinians were forced to eva 2023-12-23 -2.0 -1.0 2023 December 23 2 Israel's war on Gaza: List of key events, day 78 UN Security Council passes resolution 2023-12-23 -2.0 1.0 2023 December 23 5 RSF files second war crimes complaint with I Latest complaint by Paris-based press freed 2023-12-22 -8.0 -1.0 2023 December 22
	10 Israel-Gaza war: Why are culture and socie Fatima Bhutto talks with Marc Lamont Hill 2023-12-22 -2.0 0.0 2023 December 22
	Break the fear barrier and speak up for Pale Saying the Palestinian issue is 'complex' 2021-05-11 -2.0 -6.0 2021 May 11 3332 In Pictures: Israel attacks on Gaza kill 24 Israel continues to pound Gaza with air rai 2021-05-11 -3.0 0.0 2021 May 11 3336 The War in June 1967 The June 1967 Arab-Israeli war lasted only s 2017-06-02 -2.0 2017 June 2
in [35]: Dut[35]:	count unique top freq year
	2017 1 1 The War in June 1967 1 2021 187 186 Israeli forces kill Palestinian man in occ 2 2022 236 233 Israeli forces kill Palestinian teenager i 4 2023 1288 1288 Gaza's journalists: 'Targets' or 'casual 1 description
	year 2017 1 1 The June 1967 Arab-Israeli war lasted only s 2021 187 187 Al Jazeera talks to young Palestinians inju 2022 236 236 Palestinians fear a continuing Israeli p 2023 1288 1287 As the conflict between Israel and Gaza en month freq count unique top freq
n [36]:	year 2017
	finding the month and year were most news and attack happend neg.groupby("year").count()
out[37]:	
in [38]:	2021 187 187 187 187 187 187 187 187 187 18
out[38]:	<pre><axes: xlabel="month"></axes:></pre>
	400 -
	350 - 300 - 250 -
	350 - 300 - 250 - 200 - 150 - 100 -
	350 - 300 - 250 - 200 - 150 - 300 -
	350 - 300 - 250 -
n [46]:	330
n [46]:	300 - 250 -
in [46]: Out[46]: Out[43]:	250 - 250 -
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in [46]: Out[46]: Out[43]:	100
in [46]: Out[46]: Out[43]:	20
in [46]: Out[46]: Out[43]:	20
in [46]: Out[46]: Out[43]:	201
n [46]: ut [46]: ut [40]:	Property

importing the Labraries and dataset loadning..

