

```
import nltk
import pandas as pd
from nltk.sentiment.vader import SentimentIntensityAnalyzer
```

```
nltk.download('vader_lexicon')
```

```
def analyze_sentiment(Sentence):
    analyzer = SentimentIntensityAnalyzer()
    return analyzer.polarity_scores(str(Sentence))
```

```
data = pd.read_csv('Sentiment_Stock_data.csv')
```

```
data['sentiment'] = data['Sentence'].apply(analyze_sentiment)
```

```
for i, row in data.iterrows():
    print(f"News: {row['Sentence']}")
    print(f"Sentiment: {row['sentiment']}")
```

```
[nltk_data] Downloading package vader_lexicon to /root/nltk_data...
```

```
[nltk_data] Package vader_lexicon is already up-to-date!
```

Streaming output truncated to the last 5000 lines.

News: Stock market rout intensifies amid fears central banks are 'out of ammunition'

Sentiment: {'neg': 0.203, 'neu': 0.797, 'pos': 0.0, 'compound': -0.4215}

News: British ISIS fighter who called himself 'Superman' but returned to the UK because Syria wa

Sentiment: {'neg': 0.168, 'neu': 0.781, 'pos': 0.051, 'compound': -0.6124}

News: Animals reduced to cannibalism in Egyptian zoo after neglect

Sentiment: {'neg': 0.273, 'neu': 0.727, 'pos': 0.0, 'compound': -0.4588}

News: Grow a thicker skin, Germany tells Poland: The German government reminded Poland on Wednes

Sentiment: {'neg': 0.146, 'neu': 0.789, 'pos': 0.065, 'compound': -0.34}

News: At least 50 killed in a prison riot in Monterrey, Mexico

Sentiment: {'neg': 0.62, 'neu': 0.38, 'pos': 0.0, 'compound': -0.9081}

News: North Korea accuses South Korea of 'dangerous declaration of war' over Kaesong industrial

Sentiment: {'neg': 0.524, 'neu': 0.476, 'pos': 0.0, 'compound': -0.9022}

News: Catholic bishops not obliged to report clerical child abuse, Vatican says

Sentiment: {'neg': 0.296, 'neu': 0.704, 'pos': 0.0, 'compound': -0.6369}

News: 'British child' blows up Isis prisoners in new execution video

Sentiment: {'neg': 0.268, 'neu': 0.732, 'pos': 0.0, 'compound': -0.5106}

News: Saudi Arabia may deploy troops in Syria to counter Russia

Sentiment: {'neg': 0.0, 'neu': 1.0, 'pos': 0.0, 'compound': 0.0}

News: Female suicide bombers kill over 60 people in northeast Nigeria: officials

Sentiment: {'neg': 0.505, 'neu': 0.495, 'pos': 0.0, 'compound': -0.8807}

News: Australia set to legalize cultivation of medical cannabis.

Sentiment: {'neg': 0.0, 'neu': 1.0, 'pos': 0.0, 'compound': 0.0}

News: In rare admission, Pakistan recognises growing presence of Islamic State

Sentiment: {'neg': 0.0, 'neu': 0.841, 'pos': 0.159, 'compound': 0.1779}

News: A mammal's brain has been cryonically frozen and recovered for the first time - What the 2

Sentiment: {'neg': 0.0, 'neu': 0.866, 'pos': 0.134, 'compound': 0.5719}

News: Asylum seekers given priority for hospital visits: An admission by Austrian health officia

Sentiment: {'neg': 0.102, 'neu': 0.833, 'pos': 0.065, 'compound': -0.296}

News: Indian Soldier who was rescued after being buried under the snow passes away

Sentiment: {'neg': 0.0, 'neu': 0.811, 'pos': 0.189, 'compound': 0.4215}

News: Report on Syria conflict finds 11.5% of population killed or injured

Sentiment: {'neg': 0.543, 'neu': 0.457, 'pos': 0.0, 'compound': -0.8591}

News: UAE names female cabinet member as minister of happiness to make the Gulf State happiest i

Sentiment: {'neg': 0.0, 'neu': 0.672, 'pos': 0.328, 'compound': 0.8316}

News: Oil prices crash below \$27 a barrel, 13-year low

Sentiment: {'neg': 0.444, 'neu': 0.556, 'pos': 0.0, 'compound': -0.5859}

News: Facebook board member Marc Andreessen offends India with colonialism tweets

Sentiment: {'neg': 0.25, 'neu': 0.75, 'pos': 0.0, 'compound': -0.4588}

News: Master forger arrested in Thailand over fake passports for migrants to Europe.

Sentiment: {'neg': 0.383, 'neu': 0.617, 'pos': 0.0, 'compound': -0.7351}

News: Scandinavias first women-only mosque with women imams is opening in Copenhagen, Denmark

Sentiment: {'neg': 0.0, 'neu': 1.0, 'pos': 0.0, 'compound': 0.0}

```
News: Turkey's Leader Blames U.S. for 'Sea of Blood' in Region
Sentiment: {'neg': 0.231, 'neu': 0.769, 'pos': 0.0, 'compound': -0.4019}
News: N. Korea starts to feel neighbors' wrath over rocket launch
Sentiment: {'neg': 0.0, 'neu': 1.0, 'pos': 0.0, 'compound': 0.0}
News: Pope Francis despatches 1,000 'super-confessor' priests
Sentiment: {'neg': 0.0, 'neu': 1.0, 'pos': 0.0, 'compound': 0.0}
News: North Korea Expels South Koreans From Joint Park, Cuts 2 Hotline Ties
Sentiment: {'neg': 0.348, 'neu': 0.652, 'pos': 0.0, 'compound': -0.5859}
News: UK Junior doctors' contract set to be imposed
Sentiment: {'neg': 0.157, 'neu': 0.843, 'pos': 0.0, 'compound': -0.0772}
News: Gravitational waves from black holes detected
Sentiment: {'neg': 0.0, 'neu': 1.0, 'pos': 0.0, 'compound': 0.0}
```