

Name = Laxmi Ramchandra Shejwal Roll No : 17

Sentiment analysis in Python 3

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In [6]: import nltk
from nltk.corpus import stopwords, twitter_samples
from nltk.sentiment import SentimentIntensityAnalyzer
from statistics import mean
from random import shuffle
from colorama import Fore
import nltk
nltk.download('twitter_samples')
```

```
[nltk_data] Downloading package twitter_samples to
[nltk_data] C:\Users\Akshay\AppData\Roaming\nltk_data...
[nltk_data] Unzipping corpora\twitter_samples.zip.
Out[6]: True
```

Load and test the VADER sentiment analyzer

```
In [7]: sia = SentimentIntensityAnalyzer()
sia.polarity_scores("NLTK is a great package to perform NLP.")
```

```
Out[7]: {'neg': 0.0, 'neu': 0.594, 'pos': 0.406, 'compound': 0.6249}
```

```
In [8]: green = Fore.GREEN
red = Fore.RED

def ispositive(tweet : str) -> bool:
    return sia.polarity_scores(tweet)["compound"] > 0

tweets = [tweet for tweet in twitter_samples.strings()]
shuffle(tweets)

for tweet in tweets[: 10]:
    color = green
    if not ispositive(tweet):
        color = red
    print(f"{color}{tweet}")
```

```
RT @Politics_co_uk: Nick Clegg was the surprise winner of the #bbcqt debate http://t.co/ES0rfbFqun http://t.co/RTEQbRNGK3
RT @LuvverDuck: @UKIP Clegg can't be trusted to put his trows on one foot at a time, nev
er mind anything else
RT @DarthYoda: #AskNigelFarage That's made up my mind. I'm going to vote UKIP now
RT @DaftLimmy: Polls predict almost every Scottish seat going to the SNP, yet we're goin
g to be run by Tories anyway. #BetterTogether #Stro...
1BRADYboy1: RT komradeadamski: Ed Miliband may just have committed political suicide ton
ight! #Labour #QuestionTim... http://t.co/UmBbx8ut8y
RT @richardcalhoun: GE2015 #Debates: Incredible that #EMili ruled out any deal whatsoev
er with #SNP therefore almost certainly ruling out ...
RT @UKLabour: Britain only succeeds when working families succeed. We can't afford five
```

more years of the Tories → #7daystowin
https://t.c...
RT @Markfergusonuk: David Cameron says he's hungrier than he was five years ago. So are
all of the people reliant on food banks...
@Deligracy I took one :)
@MrLachie @the_overtone @OfficialMarkF @rucomingout So do I :) such lovely relaxed face
s.....or yours is at least!!

In []: