SNA Mini Project

Sentiment Analysis

Code:

```
!pip install statistics

!pip install nltk

!pip install random

!pip install colorama

import nltk

nltk.download('vader_lexicon')

nltk.download('twitter_samples')

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

sia = SentimentIntensityAnalyzer()

sia.polarity_scores("NLTK is a great package to perform NLP.")

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}")
```

Output:


```
In [4]: sia = SentimentIntensityAnalyzer()
        sia.polarity_scores("NLTK is a great package to perform NLP.")

Out[4]: {'neg': 0.0, 'neu': 0.594, 'pos': 0.406, 'compound': 0.6249}
```

```
In [5]: 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 @StuartMDarling: The word 'mafia' has been used to describe Labour in Scotland. You get a feeling of that from this: http://
t.co/ubIh3wz…
RT @GlasgowsDA: Miliband can be described as many things but a nimble-footed propagandist is not one of them. #GE2015 (via @_Mo
zza_ ) http:…
What the actual.....Farage gets a question time of his own on BBC1 now! WIll the @TheGreenParty get this "BBC priviledge"?
@freekuku_ @Lennethxvii its up :D http://t.co/9CEbRspBdJ
RT @OwenJones84: One week to kick the Tories out. If not, five more years of David Cameron, George Osborne, IDS, and Michael Go
ve. It's up …
Ms Sturgeon explains #bbcqt  #GE2015 https://t.co/MFuxKeIpkj
@ijn_mikky yay ok!!! :D
RT @IndyReiver: #GE15 Tonight on BBC Miliband committed electoral suicide. He prefers
 a Tory Gov over a Lab Gov needing SNP support ? Incr…
David Cameron says Israel was right to defend itself over Gaza attacks last year http://t.co/Wmnu7Kjo9z
RT @OwenJones84: One week to kick the Tories out. If not, five more years of David Cameron, George Osborne, IDS, and Michael Go
```