

SchoolNova Computer Science 202
Homework 26
Due 5/1/2021 on Google Classroom

In class, we discussed how to efficiently generate Vader Sentiment values for multiple books and plot those values using matplotlib.pyplot.

As previously (HW25) mentioned: NRClex is similar to the VADER sentiment analysis but it provides more details about emotional characteristics of the words in a text. To use NRClex:

```
from nrclex import NRCLex
nrc = NRCLex(sometext)
print(nrc.raw_emotion_scores)
```

For example, for the whole text of “The Hamlet” we would get the following `nrc.raw_emotion_scores`:

```
{'negative': 1519,
 'sadness': 707,
 'positive': 1816,
 'trust': 1266,
 'anticipation': 783,
 'joy': 752,
 'disgust': 646,
 'fear': 782,
 'surprise': 488,
 'anger': 592}
```

Adapt the classwork #26 code to create 10 (because there are 10 different emotions) separate figures for your books. You should use at least two books to be able to make a comparison. Keep the number of parts at 5.

Try to write elegant code: use for loops to plot your 10 figures, instead of creating each figure manually.