

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 nrcllex 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.