

School Nova Computer Science 101
Homework 4-3-22

Task 1

Pick any three books from the <https://www.gutenberg.org/browse/scores/top>. Download the text versions of the book. (Optionally, you may want to delete all the extra text which is not part of the original book). Load the three books in Python.

Task 2

For EACH book: Split the text into sentences. Calculate the VADER sentiment scores given the number of parts determined by the user (e.g., parts = 5). See classwork code how to do this.

Task 3

Compare the sentiment scores in the three books. Plot the sentiment scores as three lines using Matplotlib. See the code below for an example how to plot values from two lists:

```
import matplotlib.pyplot as plt

# x axis values
x = [1,2,3,4,5,6]

# corresponding y axis values
y1 = [2,4,1,5,2,6]
y2 = [4,3,2,1,4,2]

plt.plot(x, y1, color='green', label = 'y1 values')
plt.plot(x, y2, color='red', label = 'y2 values')

plt.legend()

plt.show()
```