Assignment #3 (Total 100)

Formatting:

If you're coding in a Jupyter Notebook, just submit your ipynb file with all the outputs. If you're using a py file, include all the outputs in a pdf along with your Python code.

1- On “https://www.commonsensemedia.org/book-reviews” search for “kids-books-about-911”.
2- Get the URL for the first page of results and utilize Beautiful Soup to get all of reviews from these pages. (Hint: you will need to import json and extract and parse the JSON-LD content)
3- Use afinn method for sentiment analysis. The output should be a data frame with each review, the afn.score and label you create based on the score (0: neutral, <0 negative and >0 positive). This is an example of the afinn sentiment analysis output.
4- Add the name of the restaurant to the data frame in question 3.

	reviews	scores	sentiments
0	While the text is strong and appealing, the po...	9.0	positive
1	If parents and their children are ready to hea...	2.0	positive

5- Use NRCLex method for sentiment analysis. Pass each review to NRCLex and get top_emotions for that review, store all reviews and their top emotions in a text file. Here is an example of how it should look like for each review:

“While the text is strong and appealing, the poetry is in the illustrations, so clear, glorious, and powerful that this could almost be a wordless book. : [('fear', 0.14285714285714285), ('anger', 0.14285714285714285), ('trust', 0.14285714285714285), ('positive', 0.14285714285714285), ('disgust', 0.14285714285714285), ('joy', 0.14285714285714285), ('anticipation', 0.14285714285714285)]”

Grading Criteria:

Total: 100

1- 0
2- 30
3- 40
4- 10
5- 20