QTM-340: Data Science with Text
Homework 2
Due Tuesday, 9/22 4:20 PM

Your second homework assignment consists of two parts, as follows:

1. Using VADER, perform a sentiment analysis of TWO of the songs in our lyrics corpus.

You may choose to analyze the song by word, sentence, or stanza. The result of this portion of the assignment should be a clearly formatted list of each chunk of the document, followed by its sentiment scores, similar to the example that we explored in class.

2. On the basis of part 1, answer the following questions (2-4 sentences each is good):

2a. Why did you choose the particular songs that you chose?

2b. Which candidates' playlists did they belong to?

2c. What was your rationale for analyzing the document in the unit that you chose?

2d. Identify one chunk (word, sentence, or stanza) from each song in which the sentiment scores seem to accurately reflect the contents of that chunk, and explain why you believe that they do.

2e. Identify one chunk (word, sentence, or stanza) from each song in which the sentiment scores do NOT seem to accurately reflect the contents of that chunk, and explain why you believe that they do not.

2f. Build on *The New York Times*'s article. What does your sentiment analysis teach us about the candidates who chose these songs, extending or revising the view of the *Times*?

2g. What has this exercise taught you about sentiment analysis itself?

Submission details:

- Please use a single Jupyter Notebook for both parts of the assignment.
- Your solution to part 1 should be minimally commented so that all major coding decisions / steps in the process are explained.
- Your responses to the questions in part 2 should be written in Markdown, and should be included after the code associated with part 1.
- Please make sure your last name is part of the file name of your Notebook.
- Upload your Notebook (the file ending in .ipynb) to Canvas by the date specified above.