

In - Depth Text Analysis on Blonde by Frank Ocean

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Research Questions

How does the sentiments throughout the whole album change?

How is the album structured, comparing song to song?

Does the sentiment between songs create emotional resolutions or tension?

What does Frank's word choice reveal? He's known for more obscure synonyms so does that help his song writing?

Data

The data that I am using is the lyrics from Frank Ocean's album "Blonde". I got it from a website called "Genius". There, it's just lyrics for the album, so I pasted them to a blank document and that is where the .txt file comes from. The data type is all text based so there's no numerical values to be used and applied. The main variables will be the individual words themselves or each individual line that Frank Ocean said in each song in the album. It's about 750 lines of lyrics and there shouldn't be much limitations as everything can be manipulated for my tests.

Methods

To clean the data I plan to separate everything into complete lines that Frank has said and use that as my base. I plan to first see if keeping stopwords such as "you", "I", "the", etc will change the overall outcome of the analysis. I am first using vander_lexicon to see the whole album's sentiments per each line. Then I plan to plot this to see how the sentiments change over the course of the whole album. Furthermore, I am using a new way of analyzing words, that categorizes them into emotions like anger or joy. I've never used it before, so I'm trying to see how this method labels Frank's music. If I feel it's accurate in determining the emotions, then I plan to stay with it in order to analyze Frank's songs individually and also see what the overall emotion of the whole album is as well. The way I plan to evaluate is to see if the analysis matches up to my personal feelings about the album. I'm going to see if, me as a listener, has picked up the same analysis that the code has figured out. If it maps it correctly then this method of analyzing songs could be a valid one in finding trends of people's taste in music.

Preliminary Progress

What I have done already is looked at changes in sentiments, as a whole, throughout the whole album. I've found the overall emotion of the album, and I have also found the overall top two emotions of each song on the album. The biggest challenge is just making it work. I've had to , many times, look up how to properly work parts of my code and it's definitely not optimized. So working on those are priorities.

Next Steps

The main things I'm going to finish before the final draft is fully analyzing what my data means, optimizing my code, and also finding out about Frank's word choice. I'm still curious about that because he has an extensive vocabulary for sure.