

Hypothesis: How does mood in music change across time?

Through this project I want to explore sentiment analysis over the most popular songs throughout time, I am looking for connections between specific words and patterns within lyrics to try to generalize the recipe for success when writing music, and what exactly makes it that popular. I am also interested in learning about how this connects to the culture of that time.

I analyze the sentiment of the lyrics of the songs over time, attempting to draw connections between the overall mood of that year and the mood of that song. Using genius API to explore the lyrics.

I was inspired specifically by a YouTube video I saw that shows most influential songs per year over the last 100 years (1923-2023)

I'm interested in using genius api to retrieve the lyrical data and nltk to perform sentiment analysis. The Spotify api will be to gather other sources of information about the songs like popularity and key, although it's worth noting that some of the elements of popularity can be skewed because of the way that popularity is being calculated today as opposed to when the song was in its prime popularity. I plan to visualize specifically the positivity and negativity of lyrics over time, I also want to learn about most common words over time. If I end up needing more data to make stronger generalizations, I plan to take more popular songs from that same year.

Learning about the sentiment of the songs over time is a door into learning about our culture through the lens of musical history.

Spotify API Source:

<https://open.spotify.com/playlist/59VV1FP9jNO8TwbHCkna5t>

Youtube Video:

https://www.youtube.com/watch?v=ID79csvcO0U&ab_channel=boogiehead