

Project Proposal

Song Lyrics Analyzer

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Project Description

Music is probably the most essential artistic means of self-expression because it is often used in other artistic disciplines. Today, we can hardly imagine a new movie coming out without sound or music. The same goes with video games, advertisement, or any other experience from the entertainment industry. Music has a very big influence on people's lives. What we listen to can define our social circles, help shape our opinions, open our eyes on issues that we don't know about or in the contrary, relate to an artist for faces the same hardships as us. Music has a great power on the mind: it can help us be more focused, relax, even motivated.

This project aims to analyze song's lyrics from more than 40 major artists from the 20th and the 21st century. The main goal is to compare word similarities or differences between all the artists. A graphic representation will show the relationships by grouping the words that are most used by each artist. The clusters of words will be linked to each other. The ones that are closer to each other are more similar than the ones that are far apart.

The data that I will use was collected by Paul Mooney on free lyric hosting websites. The database has no copyright and can be found on Keggle (<https://www.kaggle.com/datasets/paultimothymooney/poetry>).

Research Questions

Do artists who are in the same musical category use the same kind of vocabulary? When put apart and not in sentences, do these words mean something on their own? We can think of the song Hotel California, which is about drug use, but does not clearly mention the word drug or any drug whatsoever.

With this project, I also want to know more about the **diversity of vocabulary according to each artist**. Do they use a variety of words or are the same words always repeated?

What kind of words are used? Does this reflect the level of depth of the songs? Do the words used reflect a specific social background or belonging to a group?

Visual Storyboard

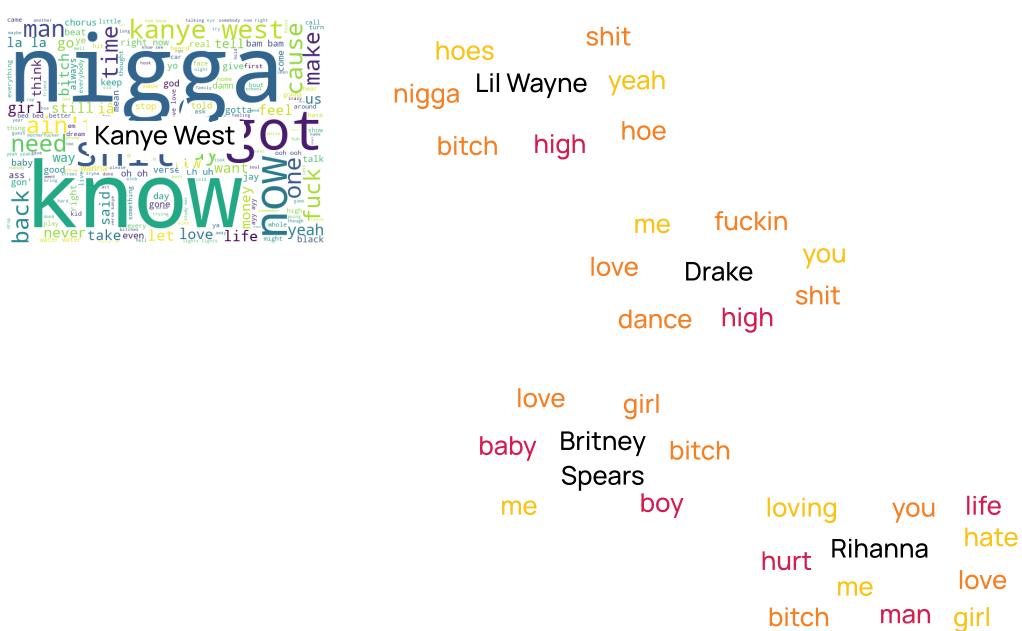
The Song Lyrics Analyzer

Are you curious about the words used in most pop songs?

Show me!

Data based on influential music artists of the 20th and 21st century.

See the dataset



Visual Storyboard

Kanye West

The most used word of Kanye West is

nigga

Found 128 times in our database.

This artist uses words similar to

Drake Lil Wayne