

Hook for CS3: Lyrical Analysis of Cities' Charting Songs

Topic

Analysis of lyrics from charting songs in the United States

Context

Art, and specifically music, is often used as a tool to express the feelings of a culture or population. During the civil rights movement in the United States, songs like “We Shall Overcome” and “Ain’t No Mountain High Enough” reflected the fight for equality among Black Americans [1]. During the Vietnam War protests, artists like John Lennon and Bob Dylan wrote many songs about the fight for peace over war [2]. These historical examples show how popular music is affected by the cultural ongoing in a population.

The United States has a uniquely diverse population, with different cities and states having uniquely distinct cultures. In an effort to better understand how culture varies from city to city, we will use music as a tool. How do musical preferences vary from region to region in the US and how do these differences trace back to cultural differences in the local population? To answer this question, we will analyze the lyrics from charting songs from several different cities in the US. We will identify the top 25 songs on a given date for seven different cities using Apple Music’s City Charts. Then, we will scrape the lyric data from Genius using the Genius API. Finally, we will analyze and compare and contrast the differences in lyrics across different US cities. You will use this GitHub which provides the necessary data, EDA, and analysis scripts:

[Link to GitHub Repo](#)

Deliverable

You will use the Github provided to download the provided lyrical data, run the analysis script on the provided data, and compare and contrast the results of the lyrical analysis. The script provided will help you identify the least and most relevant words for each city. The deliverable you will create will be a list of the 10 most relevant lyrics for each city.