BEST. TEAM. EVER.

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# Overview

## Project Background and Description

The Goal of our project is to analyze song lyrics over time, both quantitatively in terms of number and uniqueness of lyrics within an individual song, as well as general sentiment over time. Our goal is to create a dashoard where a user can explore the various characteristics of song lyrics for the top 25 songs as determined by single sales in each of the following genres: Popular music, rock, hip hop, country, Alternative.

## Project Scope

We will need a script to query an API to retrieve and store lyrics in a database. Next, a sentiment analysis will be needed to analyze the lyrics, as well as quantitative analysis with number and uniqueness of lyrics. A chart will be created with the option to add and remove trends by genre and time period, as well as a world cloud

## High-Level Requirements

Python, HTML, CSS, Java,

## Data Sources

1. <https://playground.musixmatch.com/#/>
2. Vader Sentiment Analysis

## Deliverables

Charts: Word cloud, quantitative word chart, sentiment chart, genre

## Sample Charts

## 

## Sketch

Title Page with project description and links to 3 pages of charts



Sentiment Analysis Page with sentiments over time

Year vs Compound score, grouped by genre

Word Analysis page with word count and unique word count data

Word to unique word ratio, either hear map or layered historgram

By Genre and Song page that allows drill down

Attempting checkboxes to filter chart