

OVERVIEW



BUSINESS PROBLEM



SPOTIFY wants to improve it's music recommendation system that is located under a user's saved playlist.

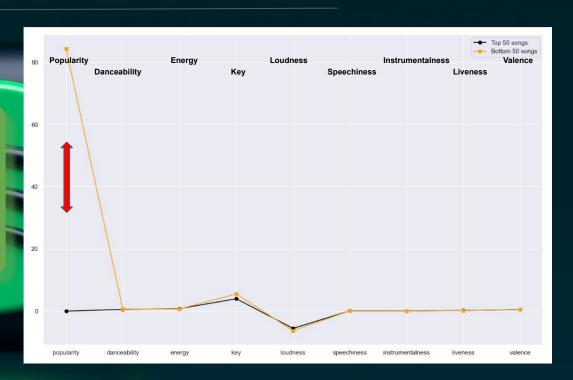
The goal is to take a song and recommend other songs based off of the music that they listen to.

This may save the user time in scrolling through the app and promote an additional way of engagement with the app.

DATA UNDERSTANDING

The dataset was from the spotify API and the Meek Music Mouse playlist.

The dataset contained: 6514 rows/songs 17 columns



MODELING

CLUSTERING (MiniBatchKMeans)

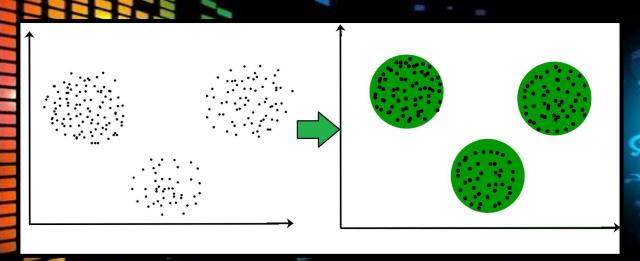
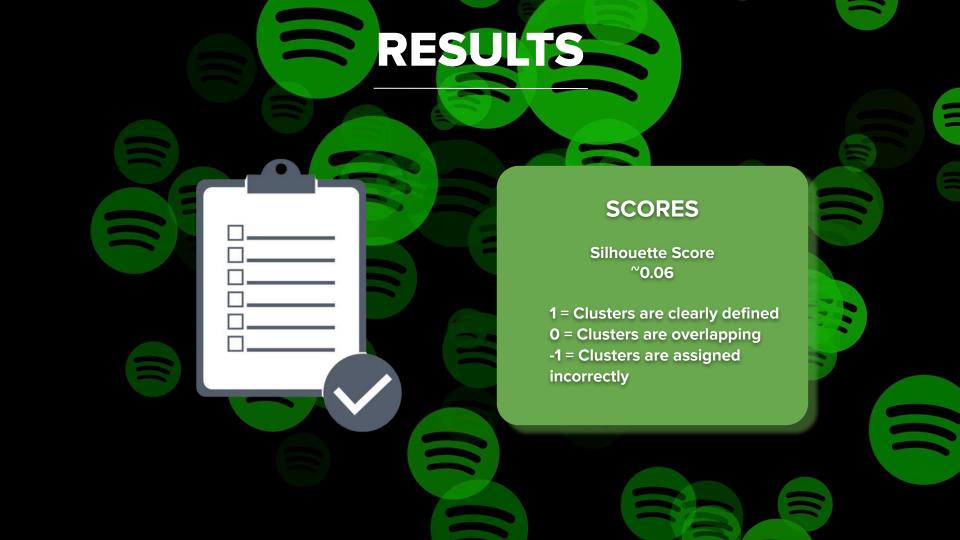


Image source:https://www.geeksforgeeks.org/clustering-in-machine-learning/



RECOMMENDATIONS

- Quantify more defining characteristics of music such a beats per minute(BPM), color, harmony, melody, etc.
- Build a mood scale
- Include a numeric genre association metric







NEXT STEPS

- Congregate genre data to predict better clusters
- Gather follower data to recommend both popular and indie artists
- Capture lyric data to provide listeners with similar messaged music



