Working Title: Spotify Genre Recognizer

Group Members

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Description

Spotify provides a lot of different information about tracks (songs), artists and genres. This information can be accessed via the Web API. A track doesn't have any genre information, but artists do. The project aims to analyze tracks and find the correct genres for each track.

Quantification

List of possible genre lables with the likelihood how well the genre fits the track.

Data

All the needed informations are gathered from the Spotify Web API and last.fm Web API.

Features

- target feature: labels for each track from last.fm
- artist
- genres of artist
- sections
- segments (pitches, loudness)
- tatums
- beats
- accousticness
- energy
- densability
- instrumentalness
- key
- liveness
- loudness
- mode (major/minor)
- tempo
- time signature
- valence
- ...

https://developer.spotify.com/documentation/web-api/reference/#/

https://www.last.fm/api