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CSC 5354

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**Songs Sentiment Analysis**

**The aim of the projects:**

The aim of this project is to perform a sentiment analysis on songs to be able to classify them into positive and negative songs. In other words, the end goal is to determine the mood of the songs based on the lyrics. In general, what determines the mood of the songs are the lyrics, the tempo, background of the music, or the singers themselves. Since this is Natural Language Processing, we will be focusing on the lyrics themselves.

**The approach and steps of the project:**

The approach I will be using in this project will be the understand the pattern of the words in the songs in different songs, from sad to happy.

I will be using a dataset of songs from Kaggle.com that will include a set of songs from both classes.

I will also be using python as a language and jupyter notebook.

The first thing I will have to do is to look at the dataset and start processing the lyrics. I will need to tokenize everything and of course, remove all the noise and the punctuation.

After that, I will be working on predicting the sentiment of the songs and classifying them.

**References:**

Güner, Levent. (2019). Classifying music genres and making suggestions with natural language processing. 10.13140/RG.2.2.27361.15209.

Basili, Roberto & Serafini, Alfredo & Stellato, Armando. (2004). Classification of musical genre: a machine learning approach..

Kumar, Akshi & Rajpal, Arjun & Rathore, Dushyant. (2018). Genre Classification using Word Embeddings and Deep Learning. 2142-2146. 10.1109/ICACCI.2018.8554816.