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PROBLEM STATEMENT:

TO CLASSIFY THE DATA ACCORDING TO DANCEABILITY.

DATA SET:

Spotify Dataset 1921-2020

SOURCE :

https://www.kaggle.com/yamaerenay/spotify-dataset-19212020-160k-tracks

DESCRIPTION:

The dataset contains more than 175.000 songs collected from Spotify Web API, and is grouped by genre.

Primary:

- genre (genre of track)

Numerical:

- acousticness (Ranges from 0 to 1)

- danceability (Ranges from 0 to 1)

- energy (Ranges from 0 to 1)

- duration\_ms (Integer typically ranging from 200k to 300k)

- instrumentalness (Ranges from 0 to 1)

- valence (Ranges from 0 to 1)

- popularity (Ranges from 0 to 100)

- tempo (Float typically ranging from 50 to 150)

- liveness (Ranges from 0 to 1)

- loudness (Float typically ranging from -60 to 0)

- speechiness (Ranges from 0 to 1)

Dummy:

- mode (0 = Minor, 1 = Major)

Categorical:

- key (All keys on octave encoded as values ranging from 0 to 11, starting on C as 0, C# as 1 and so on…)

Problem which can be solved:

This can help a person choose genre according to the mood, if they want to slow dance, freestyle dance. It can be helpful in parties for a DJ to select genres and list songs according to danceability.