**Project 4 – Machine Learning Proposal**

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Project Proposal: Create a Music Recommendation based on the Users listening habits.

Dataset used:

1. Music Data from Spotify with tracks

Aim: To identify similar music tracks based on various factors and determine the optimal way to recommend songs to users. The factors include loudness, tempo, acoustics, liveness and valence.

Tasks:

1. Create a GitHub repository to work from.
2. Clean the dataset to prepare for machine learning.
3. Provide analysis and find the optimum factors to include for the recommender.
4. Create the end user interface.
5. Work on Group presentation.

Proposed Modules and languages to be used:

1. Python – Pandas, Sklearn, seabourne, matplotlib, spotipy
2. SQL
3. Html, JavaScript