

Abstract

Illegal logging is the major environmental issue in contemporary world it has significant impact on the forest and wild life. So to avoid this I have created a machine learning model that detects the illegal logging activities. I have used the data set ESC-50-master dataset for Environmental audio classification. This Data set consists of different audio samples of chainsaw, Firework etc. Using audio features MFCCs, ZCT etc.. Using model SVM (support vector Machine) for better accuracy compared other CNN model and deep learning models. I have implemented in Google Colab using librosa libraries for audio classification.

I successfully have extracted different audio features during preprocessing and labeled features and tested using SVM model.