**Feature Extraction Methods and Machine Learning Algorithms**

1. **Feature Extraction Methods:**
   1. MFCCs :

max 40 coefficients are possible to be extracted from the spectrum, of which first 13 are the most significant, hence used as input to ML akgorithm

* 1. Hjorth parameters:

3 parameters

* 1. Spectral Energy

Frequency spectrum is divided to 40bands, and the energy of each band is used as a parameter. Altogether 40 parameters as input to ML algorithm

1. **ML Algorithms**
   1. Ridge
   2. SVM
   3. Logistic regression