

CATEGORIZATION OF MUSIC BY EXTRACTING FEATURES FROM AFFECTIVE AUDIO THROUGH DATA MINING

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ABSTRACT

Research in automatic genre classification has been producing increasingly small performance gains in recent years. With the growth of digital music technology it is essential to develop system which can mine emotions from music and categorize it accordingly. The user generated social emotions provide a new aspect for music categorization and it is also help online user to select music based on the emotional preference. This paper presents an approach to the task of automatic music genre classification which is based on multiple feature extract form music and audio to classify. For clustering we are comparing simple k-mean and moving k-mean algorithm and after that classification by j48. Multiple elements of music are extracting by using different music tools also for the dataset. Experiment is conducted on set of 562 songs with four clusters. Moving k-mean is the proposed algorithm.

KEYWORDS: Categorization, Genre, Clustering, Classification, K-Mean, j48