

ANALYSIS OF DIFFERENT CLUSTERING TECHNIQUES FOR DETECTING HUMAN EMOTIONS VARIATION THROUGH DATA MINING

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ABSTRACT

This paper explored to detect human emotion variation through data mining and analyzing different clustering techniques to be chosen for classification of human emotion. In human beings there are different mood swings exist. People become more moody and irritable during any time according to situation. This moodiness is commonly attributes to the sudden and fluctuating hormonal level, environment factor, family disturbance, Cognitive immaturity. Here in this proposed work different types of clustering techniques is applied on same dataset of human emotion so different types of clusters are made from that same dataset. Clustering is often one of the first steps in data mining analysis. It identifies groups of related records that can be used as a starting point for exploring further relationship. By this we can identify and make comparison among different clustering techniques applied on EEG dataset and see which one is better for getting good results for classification.

KEYWORDS: Clustering Algorithm, Human Emotion, Classification, Electroencephalography(EEG)