

ANALYZING EEG DATA FOR COGNITIVE BEHAVIOUR USING EEGLAB THROUGH DATA MINING

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ABSTRACT

This paper is a theoretical analysis of human brain and its activity which is measured by EEG. Electroencephalography (EEG) is the process where electrodes are placed on scalp and brains activity is explored by EEG measurements. This measurement is done on basis of any condition like someone listening music, watching any type of video, while studying etc. These different conditions can explore different areas of brain where different information is stored in human brain memory. For an example human brain stores all information in different sections like visual, language related data differently. This data coming from EEG is feed in EEGLAB tool for further analysis and making sure that the particular person on which EEG test is done, is having average cognitive skills or not.

KEYWORDS: Data mining, Electroencephalography, EEGLAB, Database