

A Method of Detecting the Difference in Two States of Brain Using Statistical Analysis of EEG Raw Data

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Abstract : This paper introduces various methods for the alpha wave to detect the difference between two states of brain. One healthy subject participated in the experiment. EEG was measured on the forehead above the eye (FP1 Position) with reference and ground electrode are on the ear clip. The data samples are obtained in the form of EEG raw data. The time duration of reading is of one minute. Various test are being performed on the alpha band EEG raw data. The readings are performed in different time duration of the entire day. The statistical analysis is being carried out on the EEG sample data in the form of various tests.

Keywords : electroencephalogram(EEG), biometrics, authentication, EEG raw data

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