



Preventive and Curative Personality Profiling Based on EEG, ERP, and Big Five Personality Traits: A Literature Review

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Healthy lifestyle is a significant factor that impacts on the budget for medicine. According to psychological studies, personality traits based on the Big Five personality traits especially the neuroticism and conscientiousness, have the ability to predict healthy lifestyle profiling. Electrophysiological signals have been used to explore the nature of individual differences and personality that are related to perception. In this paper, we reviewed studies examining healthy lifestyle profile i.e., preventive and curative using electroencephalography (EEG) and event-related potential (ERP) signals. This study proposed a general experimental model by reviewing the literature to build suitable experimental design for implementing artificial intelligence techniques based on the machine learning.

Keywords: Big Five Personality Traits; Curative; Electroencephalography (EEG); Event-Related Potentials (ERP); Healthy Lifestyle; Preventive

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