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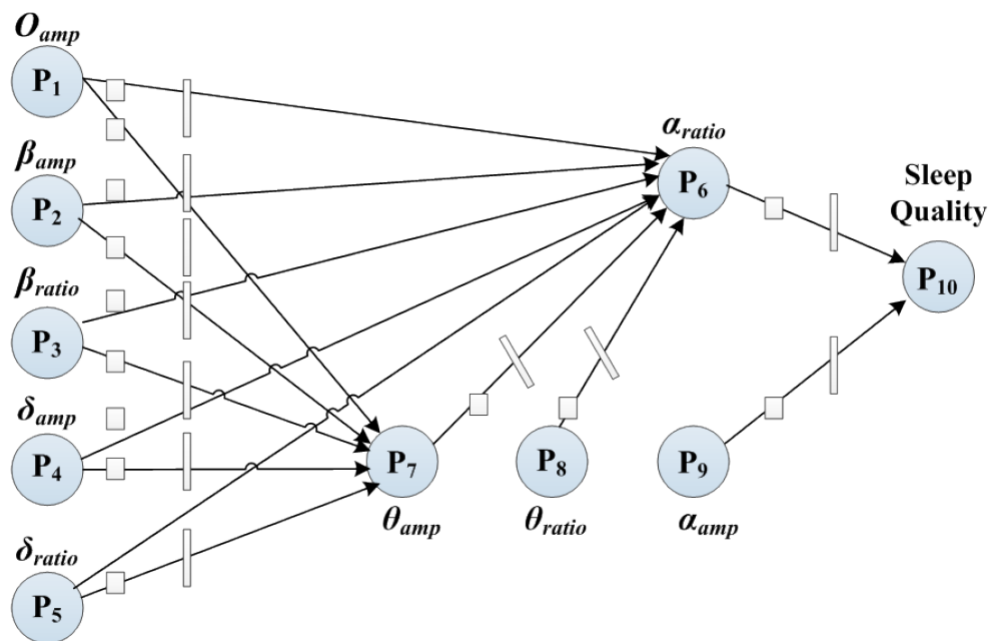
Online Incremental Learning for Sleep Quality Assessment Using Associative Petri Net

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Graphical Abstract



Highlight

- This study proposed an EEG-based sleep quality assessment model, might be a useful and objective tool to measure the sleep quality for people.
- An integrated detection model by combining multi-methods and compared with other data mining methods to indicate the proposed model has a good effectiveness.
- The new brain wave characteristics for detecting sleep quality are found by our provided a trends analysis method.
- Result finds that our proposed model can adapt to changes in the data (learning new instances) through incremental learning and handle concept drift problem in on-line environment.

Abstract

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