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A Bio-Statistical Mining Approach for Classifying Multivariate Clinical Time Series Data Observed at Irregular Intervals

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Highlights

- Temporal mining framework for classifying unevenly spaced clinical time series data.
- Framework provides: temporal pre-processing, attribute selection and classification.
- Fuzzy Inference Double Exponential Smoothing method is proposed for pre-processing.
- Temporal pattern based tolerance rough set algorithm is presented for attribute selection.
- Decision tree classifier with temporal pattern induced gain ratio is used for classification.

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