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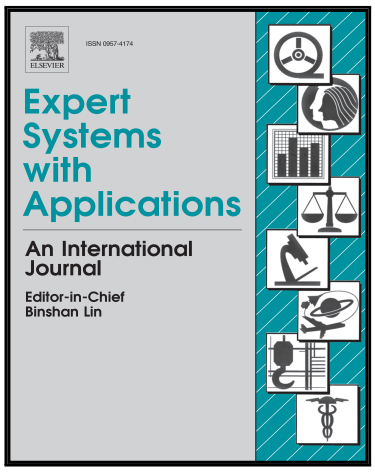

Feature-driven Machine Learning to Improve Early Diagnosis of Parkinson's Disease

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HIGHLIGHTS

- We developed a novel hybrid algorithm for aiding early diagnosis of Parkinson's Disease.
- We compared the performance of the hybrid algorithm against commercially available software.
- We also compared the performance of the hybrid algorithm against models from published studies.
- Customised algorithmic implementation can improve the overall classification performance.
- Feature reduction via artificial neural networks increased the performance of the hybrid model.

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