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Methods are proposed to enhance interpretability in predictive process monitoring models, focusing on activity locations, an aspect that is commonly overlooked. It introduces a new AI technique to demonstrate the impact of activity locations on predictions, showing potential to optimize process management. Further research is encouraged to explore sophisticated analysis approaches and take into account activity order within each group, aiming to enhance understanding of predictive process monitoring models.

A sophisticated BAM framework merging EDA with semantic technologies is introduced, overcoming traditional limitations. It takes into account events, processes, and metrics for real-time monitoring, shown through iWISE software. The approach makes sure that organizational efficiency and agility are improved to counterbalance dynamic business conditions.

A novel model, ProcessTransformer, for predictive process monitoring tasks using event logs is introduced. It catches long-range dependencies, outperforming traditional methods, and shows high accuracy in next activity prediction. Future research should explore learned representations for various applications.

The transformative impact of AI, particularly ML and DL is explored on BPM. Multiple AI models enhance traditional BPM methods, offering descriptive, diagnostic, predictive, prescriptive, and cognitive analyses of event logs. The paper insists on the importance of preprocessing event log data and using parallel computing, giving a roadmap to implement AI-powered BPM approaches to drive efficiency and performance improvements.