عنوان مقاله:

Investigating the effect of multi-perspective process mining on organization performance

محل انتشار:

سومین کنفرانس بین المللی چالش ها و راهکارهای نوین در مهندسی صنایع، مدیریت و حسابداری (سال: 1401)

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خلاصه مقاله:

Current process mining methods usually only consider the names of activities and the time that activity incurs at runtime, and other aspects of process execution are ignored. In this study, several perspectives have been included for process mining. In addition to the usual one-dimensional view of the control flow, data, resources, time, and functions are also considered. In this research, the multi-perspective technique has been used in a blood infection case study. By examining the model behavior from a data perspective, the discovered guard expression shows that patient who has ۲ SIRS criteria will definitely receive antibiotics and IV fluid. Eventually, we discovered a process model that is understandable and provides a clear insight into patients' paths for the stakeholders. The results can improve the efficiency of processes by informing about the potential benefits of this method and motivating managers of organizations.

کلمات کلیدی:

; Process Mining; Event log; Multi-perspective Process Mining; Decision mining

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