

Association Rules Approach for Business Process MiningSaeed Rouhani ^{*131}, Mehdi Ghazanfari ¹³²**Abstract**

Most of business processes leave their “footprints” in transactional information systems, i.e., business process events are recorded in so-called event logs on ERP systems. Providing techniques and tools for discovering process, control, data, organizational, and social structures from event logs is the goal of process mining and the basic idea of process mining is to diagnose business processes for knowledge. In this paper we focus on the potential use of Association Rules algorithms as data mining techniques in process mining field. This application is an approach that provides new criteria in process mining research. The major section of this approach is looking for chains that will be formed by streams-which are association rules. An example of log is applied to illustrate the association rules approach for business process mining with multiple criteria.

Keywords

Process mining; Association Rules; Data mining; ERP

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