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On the Relevance of a Business Constraint to an Event Log

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Highlights

- An approach for the automated discrimination of relevant satisfactions from vacuous satisfactions of constraints in discovered declarative process models is proposed.
- The solution to the problem is based upon the semantics of the constraints.
- The checking of constraint satisfactions is based on the replay of the log on annotated finite state automata.
- The implemented tool is integrated with a process discovery algorithm and available online.

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