PROVED: A Tool for Graph Representation and Analysis of Uncertain Event Data

Marco Pegoraro, Merih Seran Uysal, Wil M.P. van der Aalst
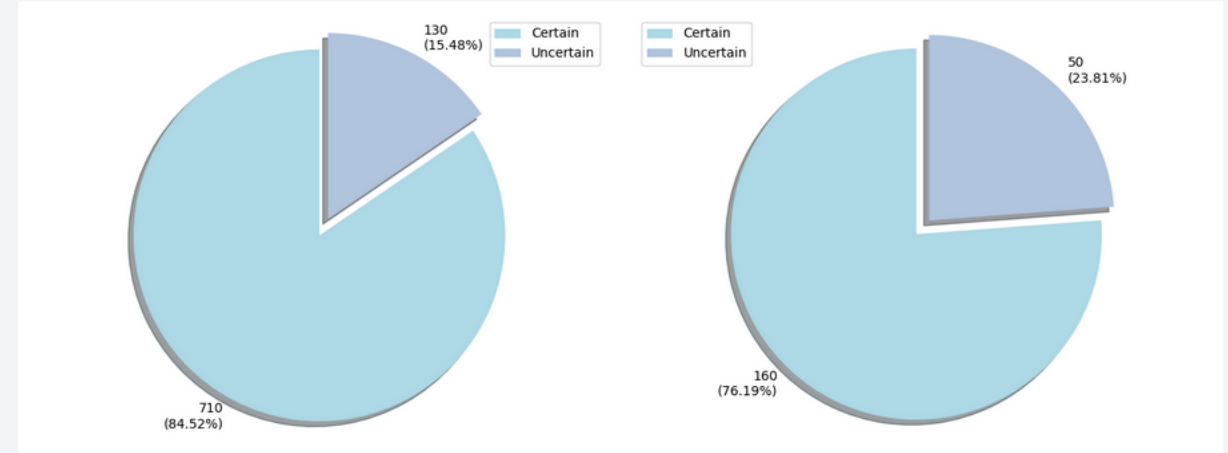
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Uncertain Log Explorer - sampleUncertainLog

Variant 0
90 trace(s)
4 event(s)

Variant 1
60 trace(s)
4 event(s)

Variant 2
40 trace(s)
4 event(s)

Variant 3
10 trace(s)
4 event(s)

Variant 4
5 trace(s)
4 event(s)

Variant 5
5 trace(s)
4 event(s)

Delete log selection

Uncertain Log Statistics

- **Num. events:** 840
- **Num. traces:** 210
- **Average trace length:** 4.0 events
- **Num. variants:** 6

Uncertain Events

130 (15.48%)
710 (84.52%)
Certain / Uncertain

Uncertain Traces

50 (23.81%)
160 (76.19%)
Certain / Uncertain

Activities

Activity	Occurrence (min)	Occurrence (max)	Occurrence (min)(relative)	Occurrence (max)(relative)
Register Request	210	210	25.0%	25.0%
Decide	210	210	25.0%	25.0%
Examine Casually	105	150	12.5%	17.86%
Pay Compensation	90	90	10.71%	10.71%
Reject Request	80	120	9.52%	14.29%
Examine Thoroughly	60	105	7.14%	12.5%

Start Activities

Activity	Occurrence (min)	Occurrence (max)	Occurrence (min)(relative)	Occurrence (max)(relative)
Register Request	210	210	25.0%	25.0%
Reject Request	0	0	0.0%	0.0%
Pay Compensation	0	0	0.0%	0.0%

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NAVIGATION

🏠 Dashboard

ALGORITHMS

◎ Conformance Checking >

Uncertain Log Explorer - sampleUncertainLog

Variant 0
90 trace(s)
4 event(s)

Variant 1
60 trace(s)
4 event(s)

<<Variant 2>>
40 trace(s)
4 event(s)

Variant 3
10 trace(s)
4 event(s)

Variant 4
5 trace(s)
4 event(s)

Variant 5
5 trace(s)
4 event(s)

Delete log selection

Trace 0
Trace 1
Trace 2
Trace 3
Trace 4
Trace 5
Trace 6
Trace 7
Trace 8
Trace 9
Trace 10
Trace 11
Trace 12
Trace 13
Trace 14
Trace 15
Trace 16
Trace 17
Trace 18
Trace 19

Behavior Graph | **Behavior Net**

Uncertain Log Explorer - sampleUncertainLog

Variant 0
90 trace(s)
4 event(s)

Variant 1
60 trace(s)
4 event(s)

<<Variant 2>>
40 trace(s)
4 event(s)
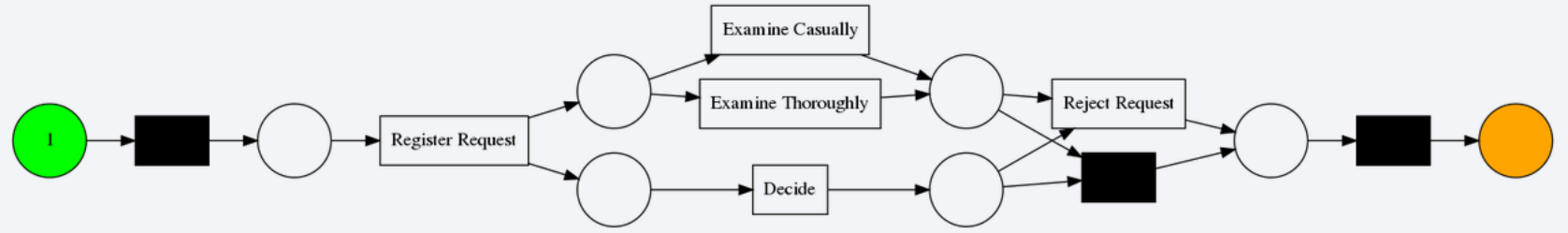
Variant 3
10 trace(s)
4 event(s)

Variant 4
5 trace(s)
4 event(s)

Variant 5
5 trace(s)
4 event(s)

Delete log selection

<<Trace 0>>
Trace 1
Trace 2
Trace 3
Trace 4
Trace 5
Trace 6
Trace 7
Trace 8
Trace 9
Trace 10
Trace 11
Trace 12
Trace 13
Trace 14
Trace 15
Trace 16
Trace 17
Trace 18
Trace 19

Behavior Graph   **Behavior Net**   **Gantt Diagram**
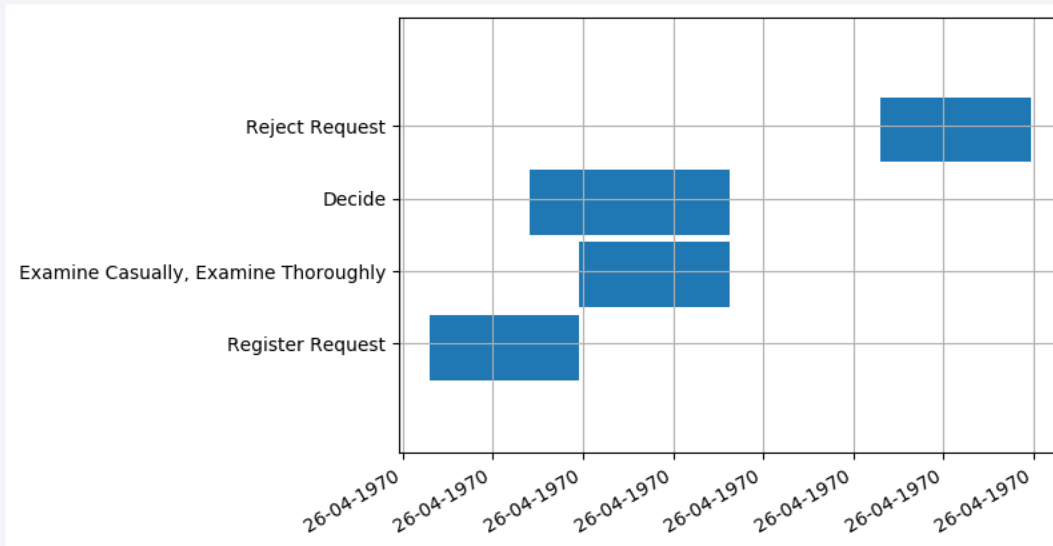
Event	Activities	Timestamp (min)	Timestamp (max)	Indeterminate
0	Register Request		26-04-1970 18:46:40	No
1	Examine Casually, Examine Thoroughly		26-04-1970 19:46:40	No
2	Decide	26-04-1970 19:26:40	26-04-1970 20:46:40	No
3	Reject Request		26-04-1970 21:46:40	Yes

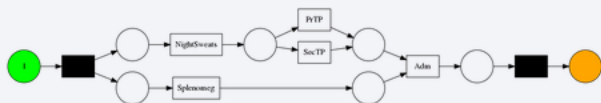# ?PROVED¹

Uncertain Alignments - paper_trace

Variant 0
1 trace(s)
4 event(s)

Variant 1
1 trace(s)
6 event(s)

Variant 2
1 trace(s)
5 event(s)

Process Model
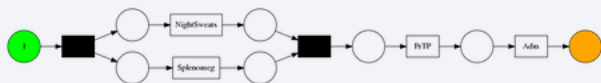
Behavior Net

Best Alignment

τ	NightSweats	Splenomeg	>>	PrTP	Adm	τ
τ	NightSweats	Splenomeg	τ	PrTP	Adm	>>

Alignment cost: 0

Worst Alignment

>>	NightSweats	Splenomeg	SecTP	>>	>>	Adm
τ	NightSweats	Splenomeg	>>	τ	PrTP	Adm

Alignment cost: 2

For more information:

https://github.com/proved-py

http://mpegoraro.net/pages/research.html