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Welcome!



Upload a CSV file, and I will detect and explain their anomalies.

Dataset Preview:

	org:group	resource country	organization country	org:resource	organization involved	org:role	con
0	V30	France	fr	Frederic	Org line A2	A2_4	Acc
1	V30	France	fr	Frederic	Org line A2	A2_4	Acc
2	V5 3rd	France	fr	Frederic	Org line A2	A2_5	Que
3	V5 3rd	France	fr	Anne Claire	Org line A2	A2_5	Acc
4	V30	France	fr	Anne Claire	Org line A2	A2_4	Que

Select Case ID Column

org:group

Select Activity Column

concept:name

~

X

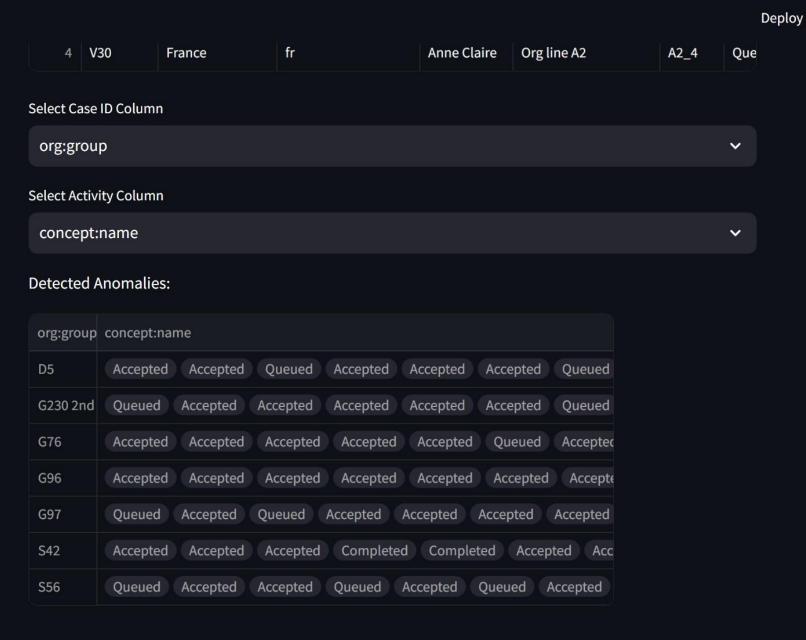
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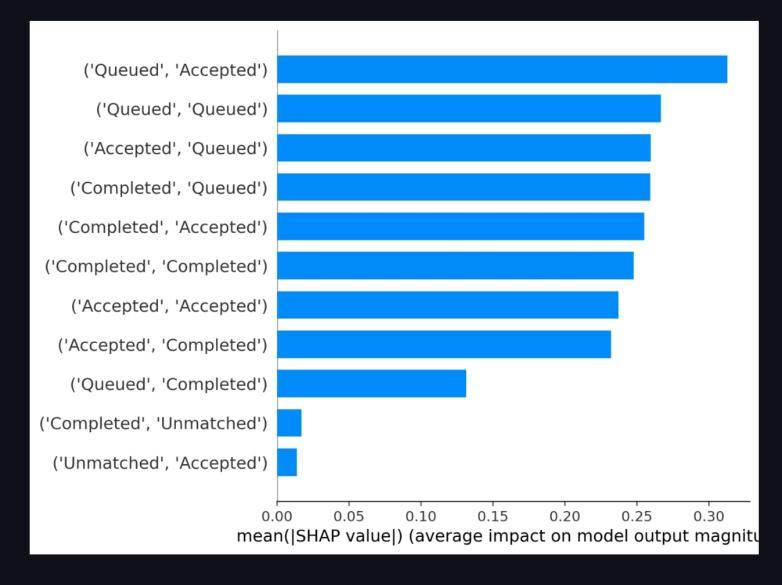
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SHAP Analysis

Feature Importance Plot

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LLM-based SHAP Explanation

Analysis of Control-Flow Anomalies

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LLM-based SHAP Explanation

Analysis of Control-Flow Anomalies

- 1. Feature: ('Queued', 'Accepted')
- Type of Anomaly: Unexpected event order
- Significance: This feature indicates that an event ('Accepted') is occurring before the expected event
 ('Queued'). This anomaly suggests a deviation from the intended process flow, where tasks are being
 executed out of order.
- Impact on Process Flow: Such anomalies can lead to delays and errors, as tasks may not be completed in the correct sequence, potentially affecting downstream activities.
- 2. Feature: ('Queued', 'Queued')
- Type of Anomaly: Redundant events
- **Significance:** This feature highlights the occurrence of multiple 'Queued' events in a row. It suggests that a task is being queued multiple times, which is not typically expected in a well-defined process.
- Impact on Process Flow: Redundant events can cause inefficiencies and delays, as the process may be unnecessarily repeating tasks.
- 3. Feature: ('Accepted', 'Queued')
- Type of Anomaly: Missing events
- **Significance:** This feature indicates that the 'Queued' event is missing after the 'Accepted' event. It suggests that a task is being accepted but not queued, which could be a deviation from the expected process flow.

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- 3. Feature: ('Accepted', 'Queued')
- Type of Anomaly: Missing events
- **Significance:** This feature indicates that the 'Queued' event is missing after the 'Accepted' event. It suggests that a task is being accepted but not queued, which could be a deviation from the expected process flow.
- Impact on Process Flow: Missing events can lead to errors and delays, as subsequent tasks may not be triggered or executed correctly.
- 4. Feature: ('Completed', 'Queued')
- Type of Anomaly: Looping patterns
- **Significance:** This feature indicates that a 'Queued' event is occurring after a 'Completed' event. It suggests that a task is being re-queued after completion, which is not typically expected in a linear process flow.
- Impact on Process Flow: Looping patterns can cause inefficiencies and delays, as tasks may be unnecessarily repeated or stuck in a loop.
- 5. Feature: ('Completed', 'Accepted')
- Type of Anomaly: Unexpected event order
- **Significance:** This feature indicates that the 'Accepted' event is occurring after the 'Completed' event. It suggests that a task is being accepted after it has already been completed, which is not typically expected in a well-defined process.
- Impact on Process Flow: Such anomalies can lead to errors and inefficiencies, as tasks may be unnecessarily repeated or executed out of order.