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BPI_2015.csv

18.4MB



Submit & Process

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ProM-Ex 🍀

Welcome!



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

Dataset Preview:

	question	dateFinished	dueDate	action_code	activityNameEN
0	EMPTY	2014-04-14 00:00:00	2014-04-17 09:30:39+00:00	01_HOOFD_010	register submission date req
1	False	2014-04-14 00:00:00	None	01_HOOFD_011	OLO messaging active
2	True	2014-04-14 00:00:00	None	01_HOOFD_020	send confirmation receipt
3	False	2014-04-14 00:00:00	2014-04-21 09:37:17+00:00	02_DRZ_010	forward to the competent at
4	True	2014-04-14 00:00:00	None	04_BPT_005	regular procedure without M

Select Case ID Column

concept:name



Select Activity Column

activityNameEN



Detected Anomalies:

concept:name	activityNameEN
01_HOOFD_010	register submission date req
01_HOOFD_011	OLO messaging active
01_HOOFD_020	send confirmation receipt
02_DRZ_010	forward to the competent at
04_BPT_005	regular procedure without M



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Deploy



Selecting column:

activityNameEN

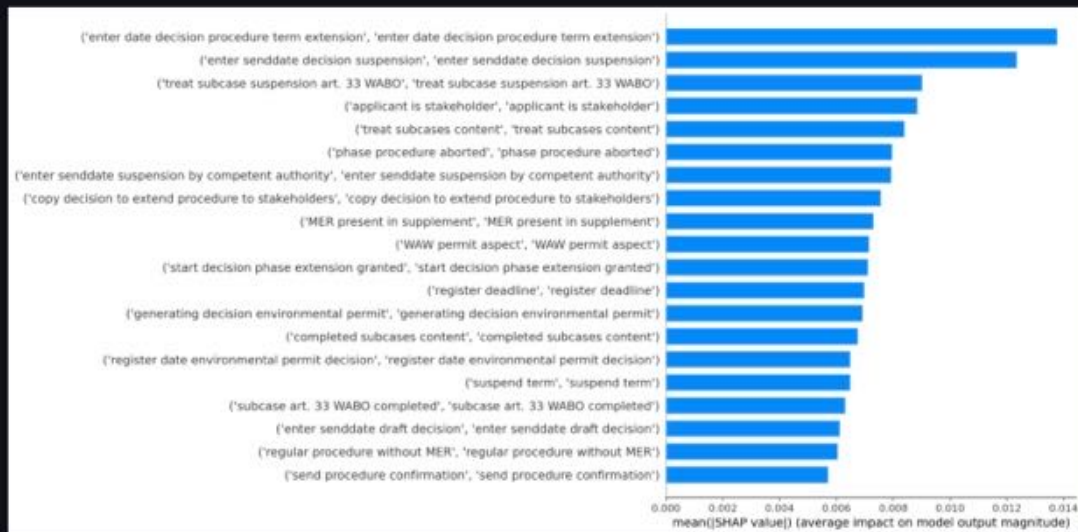


Detected Anomalies:

concept:name	activityNameEN
01_HOOFD_020	send confirmation receipt send confirmation receipt send confirmation receipt
01_HOOFD_050	inform BAG administrator applicant is stakeholder applicant is stakeholder
06_VD_030_2	decision date prior to decision decision date prior to decision decision date prior to decision
06_VD_030_3	enter date decision procedure term extension enter date decision procedure term extension

SHAP Analysis

Feature Importance Plot





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LLM-based SHAP Explanation

1. Possible reasons for these features' importance in anomaly detection:

- **'enter date decision procedure term extension':** This feature may be important because it indicates that the decision procedure term has been extended, which could be an anomaly if it is not a standard practice.
- **'enter senddate decision suspension':** This feature may be important because it indicates that the decision has been suspended, which could be an anomaly if it is not a standard practice.
- **'treat subcase suspension art. 33 WABO':** This feature may be important because it indicates that the subcase has been suspended under Article 33 of the WABO, which could be an anomaly if it is not a standard practice.
- **'applicant is stakeholder':** This feature may be important because it indicates that the applicant is a stakeholder in the process, which could be an anomaly if it is not a standard practice.
- **'treat subcases content':** This feature may be important because it indicates that the subcases are being treated differently, which could be an anomaly if it is not a standard practice.

2. Impact of these features on the overall anomaly detection process:

These features can have a significant impact on the overall anomaly detection process. By identifying these features as important, the anomaly detection algorithm can focus on these features when looking for anomalies. This can help to improve the accuracy and efficiency of the anomaly detection process.

3. Recommendations for handling or further analyzing these features in future analyses:

- **Further investigate the reasons why these features are important.** This could involve talking to subject matter experts or looking at the data in more detail.
- **Develop rules or thresholds for these features.** This could help to identify anomalies more easily.
- **Monitor these features over time.** This could help to identify trends or changes that could indicate potential problems.

