



Menu:

Upload your CSV Files and Click on the Submit & Process Button

Drag and drop files here

Limit 1GB per file • CSV

Browse files



Hospital Billing.csv
35.8MB



Submit & Process Anomalies

Clear Chat History

ProM-Ex

Welcome!



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

Processing complete.

Detected Timestamp Anomalies:

	timestamp	concept:name
698	2013-12-31 00:32:07	FIN
2,788	2013-01-18 02:19:28	NEW
4,273	2013-01-25 19:51:57	NEW
4,731	2013-12-31 20:36:29	FIN
5,501	2013-12-31 22:26:59	FIN
5,516	2013-12-30 22:27:35	FIN
5,778	2015-08-31 12:58:32	REOPEN
7,051	2013-12-30 22:49:52	FIN
8,872	2013-12-31 21:43:29	FIN
11,888	2013-01-04 17:03:46	NEW

Menu:

Upload your CSV Files and Click on the Submit & Process Button

Drag and drop files here

Limit 1GB per file • CSV

Browse files



Hospital Billing.csv

35.8MB



Submit & Process Anomalies

Clear Chat History

Possible reasons for these anomalies:

- **Data entry errors:** Timestamps may have been entered incorrectly, resulting in anomalies.
- **System errors:** Software or hardware issues may have caused timestamps to be recorded incorrectly.
- **Time zone differences:** Timestamps may have been recorded in different time zones, leading to discrepancies.
- **Data manipulation:** Timestamps may have been intentionally or unintentionally altered, resulting in anomalies.
- **Specific activities:** Certain activities, such as system maintenance or data imports, may have occurred outside of normal business hours, leading to unusual timestamps.

Impact of these anomalies on the overall process or system:

- **Data integrity:** Anomalies can compromise the accuracy and reliability of the data, making it difficult to draw meaningful insights.
- **Process efficiency:** Anomalies can disrupt automated processes that rely on accurate timestamps, leading to delays or errors.
- **Decision-making:** Anomalies can mislead users and stakeholders, potentially leading to incorrect decisions.
- **Compliance:** In regulated industries, accurate timestamps may be required for compliance purposes. Anomalies can jeopardize compliance efforts.

Recommendations for handling or preventing similar anomalies in the future:

- **Data validation:** Implement data validation rules to check for timestamp anomalies during data entry and processing.
- **System monitoring:** Regularly monitor systems to detect and address any issues that may lead to timestamp anomalies.
- **Time zone standardization:** Ensure that all timestamps are recorded in a consistent time zone to avoid discrepancies.
- **User training:** Educate users on the importance of accurate timestamp recording and the

Menu:

Upload your CSV Files and Click on the Submit & Process Button

Drag and drop files here

Limit 1GB per file • CSV

Browse files



Hospital Billing.csv

35.8MB



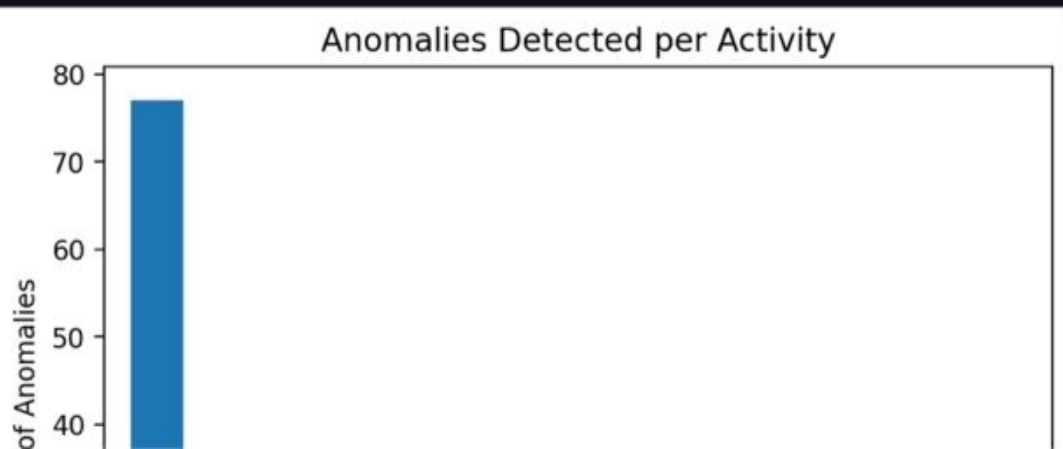
Submit & Process Anomalies

Clear Chat History

Recommendations for handling or preventing similar anomalies in the future:

- **Data validation:** Implement data validation rules to check for timestamp anomalies during data entry and processing.
- **System monitoring:** Regularly monitor systems to detect and address any issues that may lead to timestamp anomalies.
- **Time zone standardization:** Ensure that all timestamps are recorded in a consistent time zone to avoid discrepancies.
- **User training:** Educate users on the importance of accurate timestamp recording and the consequences of anomalies.
- **Data backup and recovery:** Maintain regular backups of data to recover from potential data manipulation or system errors.
- **Activity logging:** Track and review system activities to identify any unusual events that may have caused timestamp anomalies.
- **Regular data audits:** Conduct periodic audits to identify and correct any timestamp anomalies that may have gone undetected.

Anomaly Detection Summary: ↔





Menu:

Upload your CSV Files and Click on the Submit & Process Button

Drag and drop files here

Limit 1GB per file • CSV

Browse files



Hospital Billing.csv

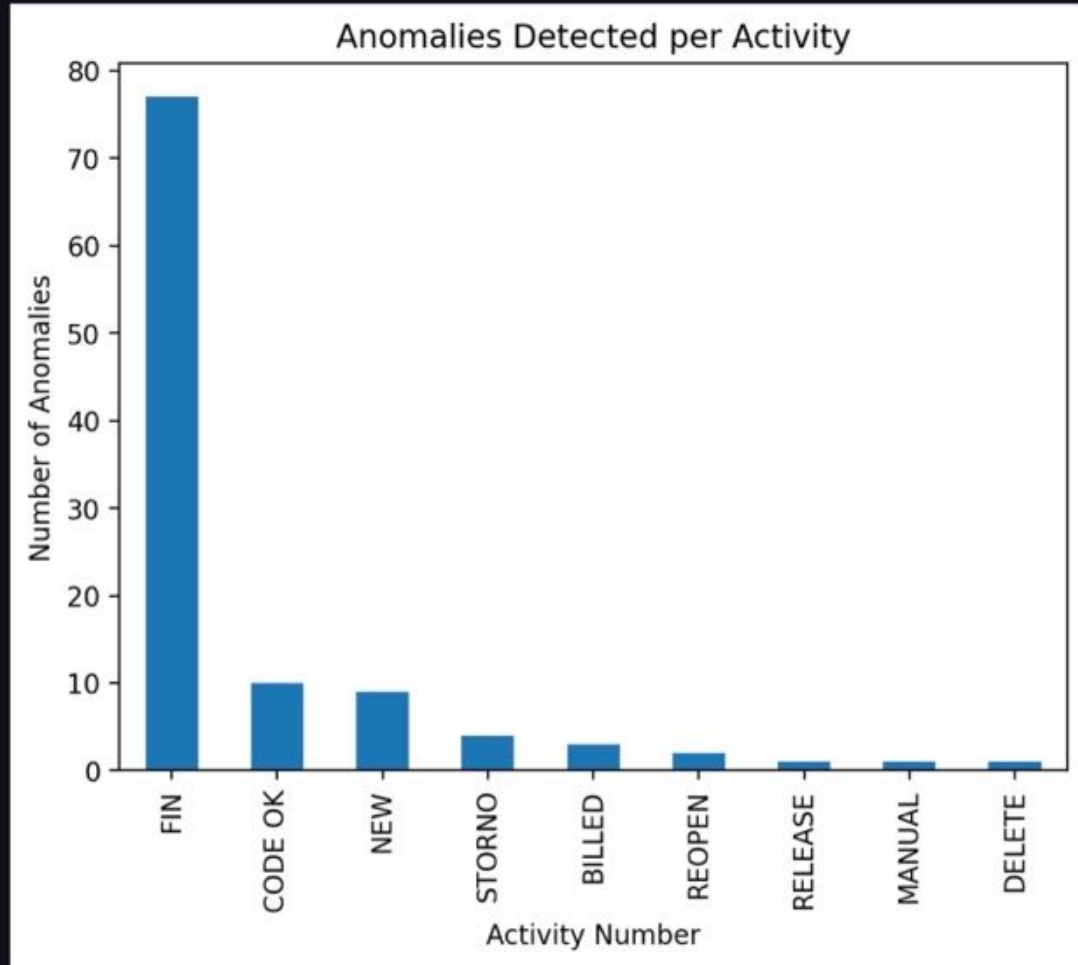
35.8MB



Submit & Process Anomalies

Clear Chat History

Anomaly Detection Summary:



Anomalies Detected per Activity

