

Anomaly 1:

- **Company:** 2
- **Account:** 6074283
- **AU:** 4398
- **GL Balance:** 191,575
- **IHub Balance:** 241,575
- **Balance Difference:** -50,000
- **Days Since Last Transaction:** 242 days
- **GL Change:** 183,868
- **IHub Change:** 243,868
- **Difference Change:** -60,000
- **GL Std Dev:** 130,014
- **IHub Std Dev:** 172,441

Possible Issues:

- The negative balance difference suggests a possible overstatement in the IHub balance.
- The significant change in balances with a large standard deviation indicates volatility, potentially from errors in transaction recording or reconciliation.
- The long gap between transactions (242 days) could indicate dormant accounts not monitored frequently.

Anomaly 2:

- **Company:** 2

- **Account:** 1084383
- **AU:** 4929
- **GL Balance:** 70,711
- **IHub Balance:** 20,711
- **Balance Difference:** 50,000
- **Days Since Last Transaction:** 303 days
- **GL Change:** -115,653
- **IHub Change:** -215,653
- **Difference Change:** 100,000
- **GL Std Dev:** 81,779
- **IHub Std Dev:** 152,490

Possible Issues:

- The positive balance difference suggests a possible understatement in the IHub balance.
- The drastic negative change in GL and IHub balances may indicate reversed transactions or write-offs.
- High volatility and extended transaction gaps could reflect delayed reconciliations or timing issues in posting transactions.

Anomaly 3:

- **Company:** 1
- **Account:** 1246744
- **AU:** 4398

- **GL Balance:** 199,866
- **IHub Balance:** 149,866
- **Balance Difference:** 50,000
- **Days Since Last Transaction:** 2,222 days
- **GL Change:** 183,109
- **IHub Change:** 133,109
- **Difference Change:** 50,000
- **GL Std Dev:** 129,478
- **IHub Std Dev:** 94,122

Possible Issues:

- The large gap of over 6 years between transactions suggests significant inactivity, making this account highly prone to oversight.
- The substantial balance difference of 50,000 is consistent over time, indicating a recurring mismatch likely caused by systematic discrepancies.
- The moderate standard deviation may indicate that, despite the inactivity, the balance changes are occasionally significant.

Anomaly 4:

- **Company:** 1
- **Account:** 7720193
- **AU:** 4398
- **GL Balance:** 7,626
- **IHub Balance:** -12,374

- **Balance Difference:** 20,000
- **Days Since Last Transaction:** 274 days
- **GL Change:** -182,599
- **IHub Change:** -207,599
- **Difference Change:** 25,000
- **GL Std Dev:** 129,117
- **IHub Std Dev:** 146,795

Possible Issues:

- The IHub balance being negative may suggest an accounting error or potential misclassification of accounts.
- A significant drop in both GL and IHub balances indicates potential adjustments or write-offs.
- The discrepancy in the change of balances implies a potential delay in recognizing transactions.

Anomaly 5:

- **Company:** 2
- **Account:** 6074283
- **AU:** 4398
- **GL Balance:** 191,575
- **IHub Balance:** 241,575
- **Balance Difference:** -50,000
- **Days Since Last Transaction:** 303 days

- **GL Change:** 183,868
- **IHub Change:** 243,868
- **Difference Change:** -60,000
- **GL Std Dev:** 130,014
- **IHub Std Dev:** 172,441

Possible Issues:

- This anomaly is similar to Anomaly 1, with a significant mismatch between GL Balance and IHub Balance.
- A large standard deviation and considerable change in balances suggest inconsistencies in the transaction recording process.
- The extended gap between transactions (303 days) may indicate delayed reconciliations, potentially causing this recurring mismatch.

Anomaly 6:

- **Company:** 2
- **Account:** 1084383
- **AU:** 4929
- **GL Balance:** 70,711
- **IHub Balance:** 20,711
- **Balance Difference:** 50,000
- **Days Since Last Transaction:** 303 days
- **GL Change:** -115,653
- **IHub Change:** -215,653

- **Difference Change:** 100,000
- **GL Std Dev:** 81,779
- **IHub Std Dev:** 152,490

Possible Issues:

- This anomaly mirrors Anomaly 2, highlighting a repeated pattern of misstatements in the IHub balance.
- The significant decrease in GL and IHub balances and the balance difference of 50,000 suggests possible reversed transactions.
- The large variance (standard deviation) in IHub balances further implies instability in record-keeping or delayed reconciliations.

Anomaly 7:

- **Company:** 1
- **Account:** 1246744
- **AU:** 4398
- **GL Balance:** 199,866
- **IHub Balance:** 149,866
- **Balance Difference:** 50,000
- **Days Since Last Transaction:** 2,222 days
- **GL Change:** 183,109
- **IHub Change:** 133,109
- **Difference Change:** 50,000
- **GL Std Dev:** 129,478

- **IHub Std Dev:** 94,122

Possible Issues:

- Anomaly 7 appears identical to Anomaly 3, indicating potential systematic discrepancies that remain unresolved.
 - The prolonged inactivity combined with a significant balance difference suggests chronic errors that may be overlooked.
 - Given the recurrence, it may be necessary to conduct a thorough audit to trace the root cause.
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Anomaly 8:

- **Company:** 1
- **Account:** 7720193
- **AU:** 4398
- **GL Balance:** 7,626
- **IHub Balance:** -12,374
- **Balance Difference:** 20,000
- **Days Since Last Transaction:** 274 days
- **GL Change:** -182,599
- **IHub Change:** -207,599
- **Difference Change:** 25,000
- **GL Std Dev:** 129,117
- **IHub Std Dev:** 146,795

Possible Issues:

- Similar to Anomaly 4, the negative IHub balance suggests possible misclassification or errors in accounting.
 - The large negative change in GL and IHub balances could indicate reversed entries or incorrect adjustments.
 - The significant difference change (25,000) raises concerns of potentially unresolved reconciliation issues.
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Summary of Observations:

- The recurring anomalies across the same accounts and companies indicate systemic issues in data recording or reconciliation processes.
 - Long gaps between transactions imply delayed monitoring, possibly causing extended periods of discrepancies.
 - High standard deviations in balance changes and large mismatches between GL and IHub balances suggest a need for improved internal controls and data validation.
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Anomaly 9:

- **Company:** 2
- **Account:** 6074283
- **AU:** 4398
- **GL Balance:** 191,575
- **IHub Balance:** 241,575
- **Balance Difference:** -50,000
- **Days Since Last Transaction:** 303 days
- **GL Change:** 183,868

- **IHub Change:** 243,868
- **Difference Change:** -60,000
- **GL Std Dev:** 130,014
- **IHub Std Dev:** 172,441

Possible Issues:

- The repeated mismatch between GL Balance and IHub Balance suggests a systematic issue in reconciliation.
- A significant gap of 303 days since the last transaction indicates delayed reconciliations or overlooked discrepancies.
- The substantial variance (standard deviation) and large balance changes indicate instability in financial data recording.

Anomaly 10:

- **Company:** 2
- **Account:** 1084383
- **AU:** 4929
- **GL Balance:** 70,711
- **IHub Balance:** 20,711
- **Balance Difference:** 50,000
- **Days Since Last Transaction:** 303 days
- **GL Change:** -115,653
- **IHub Change:** -215,653
- **Difference Change:** 100,000

- **GL Std Dev:** 81,779
- **IHub Std Dev:** 152,490

Possible Issues:

- This anomaly closely mirrors previous discrepancies, with a significant balance difference of 50,000.
- The considerable drop in both GL and IHub balances suggests possible incorrect reversals or misclassifications.
- A considerable time gap (303 days) between transactions raises concerns about timely monitoring.

Anomaly 11:

- **Company:** 1
- **Account:** 1246744
- **AU:** 4398
- **GL Balance:** 199,866
- **IHub Balance:** 149,866
- **Balance Difference:** 50,000
- **Days Since Last Transaction:** 2,222 days
- **GL Change:** 183,109
- **IHub Change:** 133,109
- **Difference Change:** 50,000
- **GL Std Dev:** 129,478
- **IHub Std Dev:** 94,122

Possible Issues:

- The extremely long gap of 2,222 days suggests the account might be dormant, yet transactions continue to occur.
 - The recurring mismatch of 50,000 indicates unresolved discrepancies or systemic errors in the reconciliation process.
 - High standard deviations indicate inconsistent data recording or volatile transactions.
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Anomaly 12:

- **Company:** 1
- **Account:** 7720193
- **AU:** 4398
- **GL Balance:** 7,626
- **IHub Balance:** -12,374
- **Balance Difference:** 20,000
- **Days Since Last Transaction:** 274 days
- **GL Change:** -182,599
- **IHub Change:** -207,599
- **Difference Change:** 25,000
- **GL Std Dev:** 129,117
- **IHub Std Dev:** 146,795

Possible Issues:

- The negative IHub Balance suggests possible errors in classification or entry.

- The significant balance difference (20,000) and large variance imply discrepancies in financial record reconciliation.
- The substantial drop in GL and IHub balances may indicate reversed or incorrect transactions.