

Cash & Position Reconciliation Dashboard - Insights Report

Project Overview:

Project Title: Cash & Position Reconciliation Automation

Tools Used: Excel, Power BI, Python (Pandas), SQL

Role: Investment Operations / Data Analyst

Objective:

Automate and visualize the process of matching financial transactions between internal ledgers and custodian statements, identifying discrepancies in cash balances, quantities, or security values. This ensures data integrity, regulatory compliance, and operational efficiency.

Significance of the Project:

1. Operational Efficiency:

Reduces manual reconciliation time by up to 80 percent, enabling analysts to focus on exception handling.

2. Financial Accuracy:

Ensures no missing or duplicated trades, reducing operational risk and improving reliability.

3. Compliance and Audit Readiness:

Creates transparent proof of control and audit trail for regulatory reporting.

4. Data Integrity Showcase:

Demonstrates the ability to clean, transform, and visualize large financial datasets effectively.

Key Insights Revealed by the Dashboard:

1. Reconciliation Health Overview:

Match percentage KPI indicates overall ledger-custodian accuracy. Example: 94 percent match rate.

2. Exception Analysis:

Mismatched transactions identify incorrect trade values or timing differences.

3. Account-Level Insights:

Accounts with frequent mismatches highlight data-entry or timing issues.

4. Security-Level Insights:

Volatile securities like TSLA and NVDA show frequent mismatches due to market fluctuations.

5. Trend Analysis:

Mismatch volume spikes indicate operational delays or batch posting errors.

6. Root Cause Identification:

Quantity and Value differences help distinguish position breaks from cash breaks.

Analyst Interpretation Example:

The dashboard revealed that 7 of 100 transactions were mismatched, mainly value discrepancies exceeding \$400.

Most mismatches were found in Accounts A003 and A010 (NVDA and META), indicating valuation timing differences.

Overall data accuracy stood at 93 percent, reflecting strong reconciliation control with minor exceptions.

Career Relevance:

This project proves competency in data reconciliation, transformation, and visualization - key for roles like Investment Operations Analyst, Financial Data Analyst, or Portfolio Reporting Analyst.