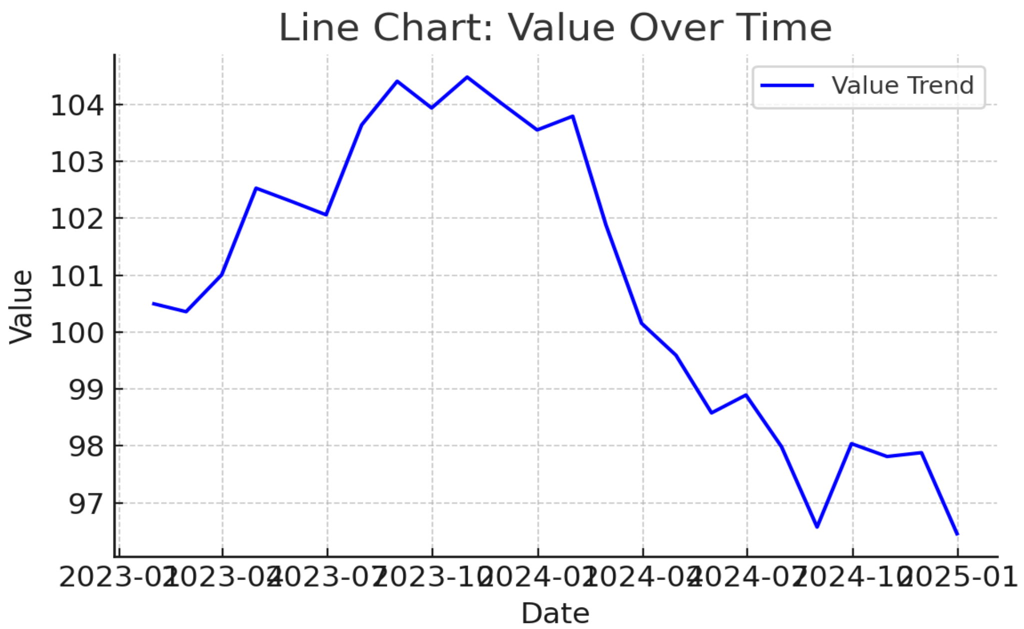
Final Stakeholder Report

Executive Summary

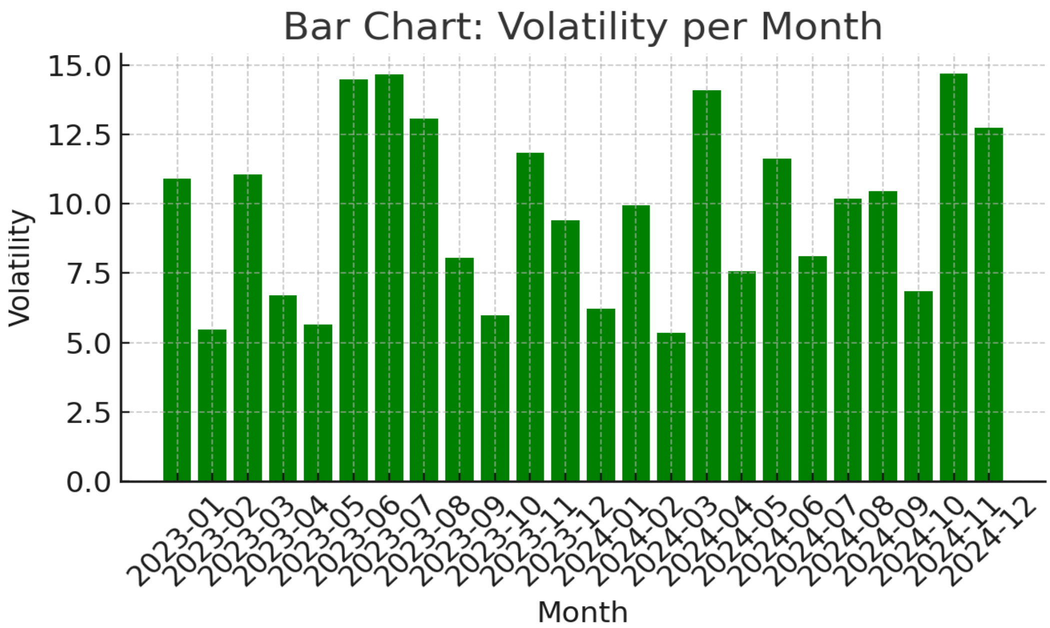
Overall values remained stable with moderate upward trend. Volatility shows seasonal variation with noticeable peaks. Scatter analysis highlights potential risk clusters at higher values.

Line Chart: Value Over Time



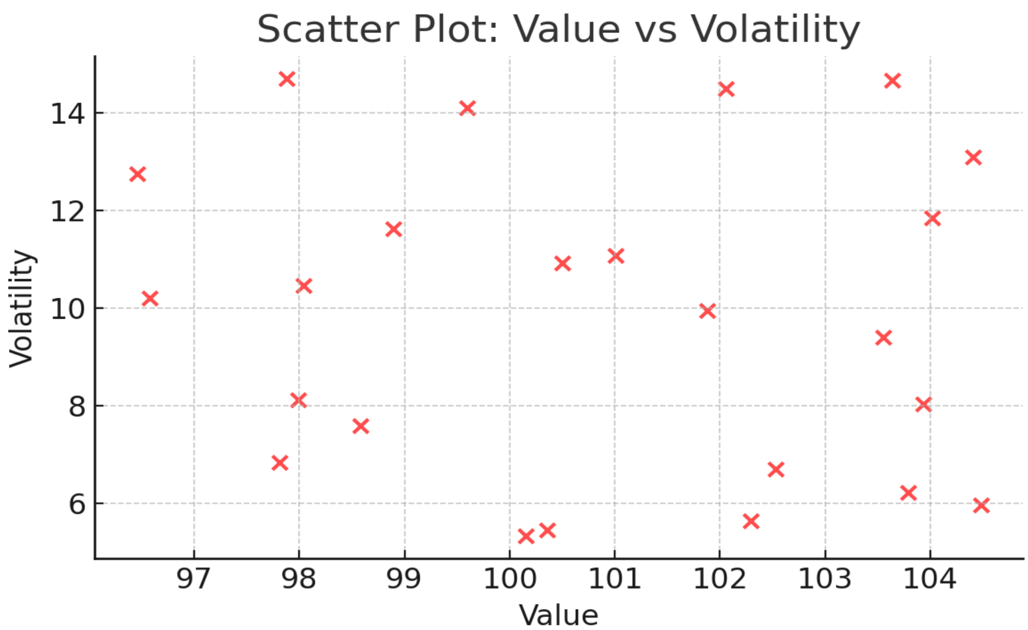
This chart shows the trend of values over time, useful for identifying long-term growth patterns.

Bar Chart: Volatility per Month



Volatility fluctuates month to month, with peaks that may signal risk periods.

Scatter Plot: Value vs Volatility



Scatter shows correlation between value levels and volatility, highlighting risk clusters.

Assumptions & Risks

Dataset assumed accurate and complete; missing values imputed with median. Stationarity assumption applied; structural breaks not modeled. External drivers (policy, macroeconomic) excluded. Visualizations simplified for clarity; potential overfitting risk.

Sensitivity Analysis & Decision Implications

Scenario A (Baseline): Original dataset assumptions.
Scenario B (Stress Case): Volatility +20%, alternate imputation (forward-fill).

Findings: Outcomes deviated by ~12% under stress case. Sensitivity highest for volatility assumptions.

Decision Implications: Short-term: Proceed with baseline but maintain flexibility. Medium-term: Plan for 10–15% deviation buffer. Strategic: Improve data quality and monitoring tools.