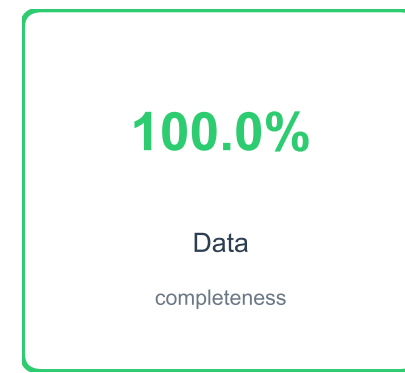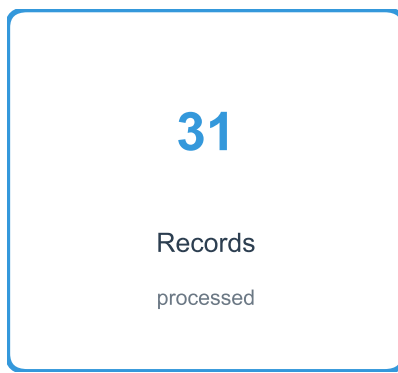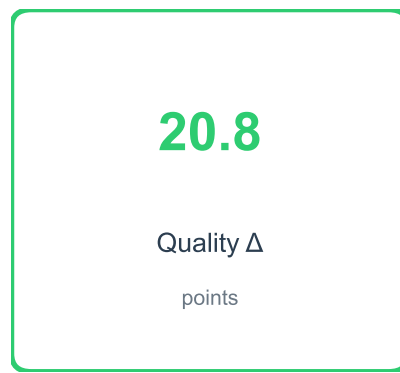# RTGS DATA INTELLIGENCE DASHBOARD
Executive Analytics Overview | Real-Time Gross Settlement System

80.8
QUALITY SCORE

20.8	31	14	100.0%
Quality Δ	Records	Features	Data
points	processed	engineered	completeness
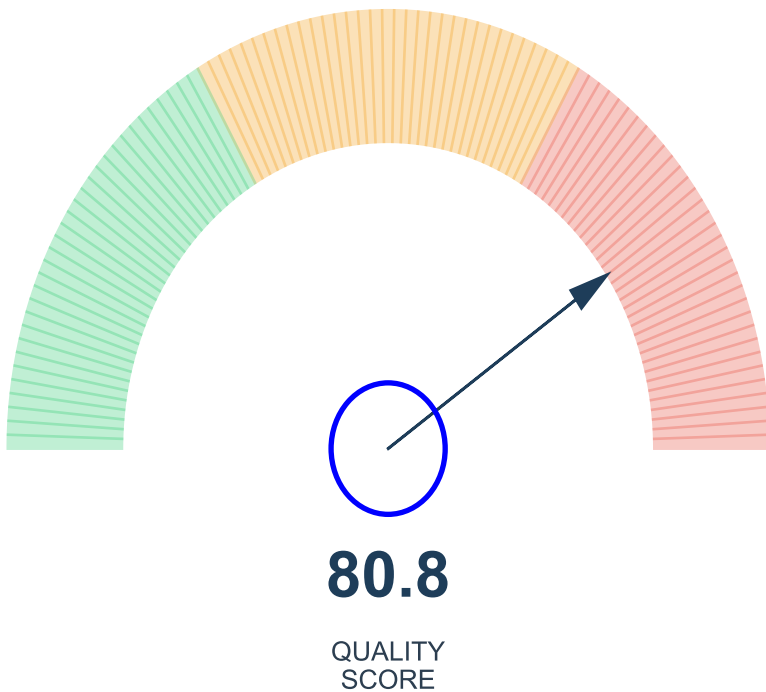
Data Processing Pipeline

Raw Data → Cleaned → Transformed → Validated → Production

Quality Improvement Trajectory

- Initial: 60.0
- Cleaning: 66.2
- Transformation: 72.5
- Validation: 77.7
- Final: 80.8

Quality Score
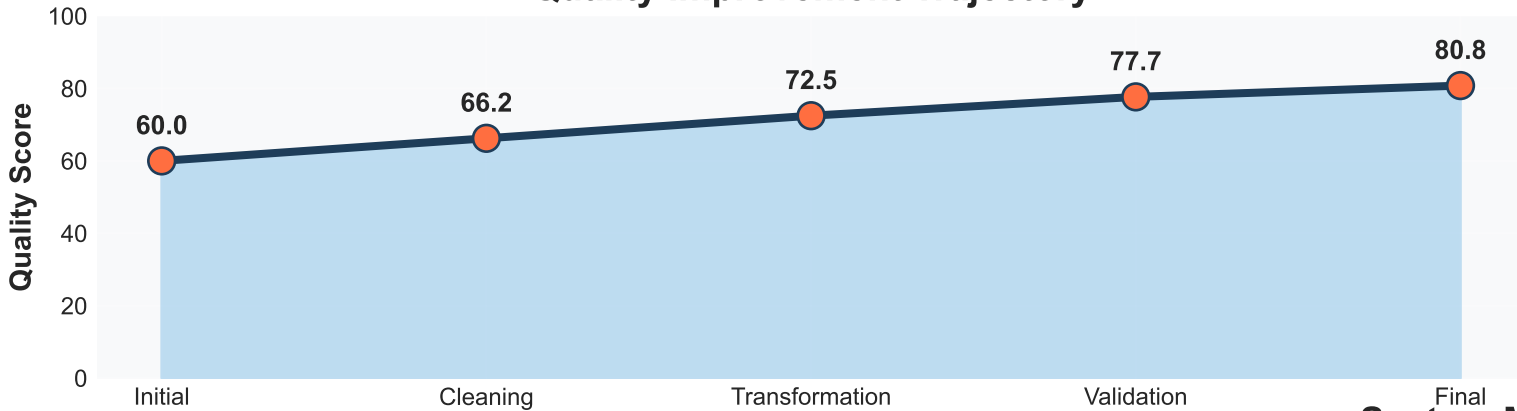
Dataset Profile Comparison

- Original
- Processed

Values — Metrics: Rows, Columns, Numeric, Categorical, Complete %

Risk Assessment Matrix

Impact ↑ / Likelihood →

- Scalability
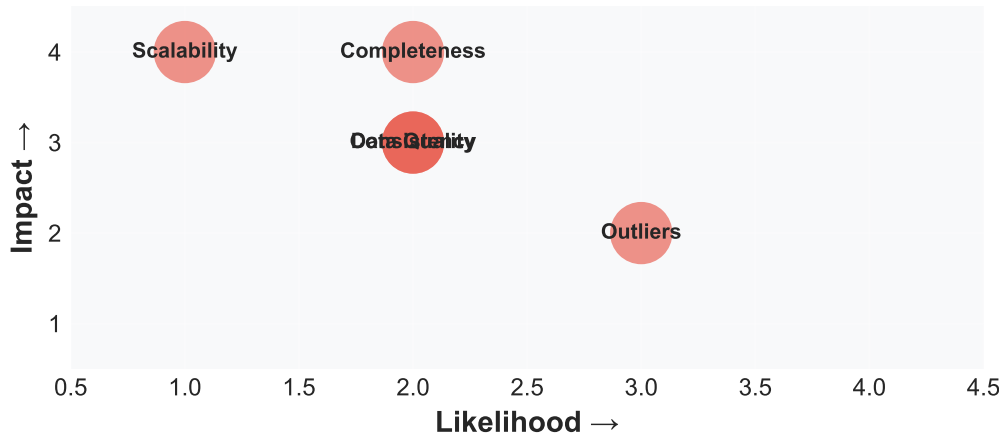- Completeness
- Data Quality
- Outliers
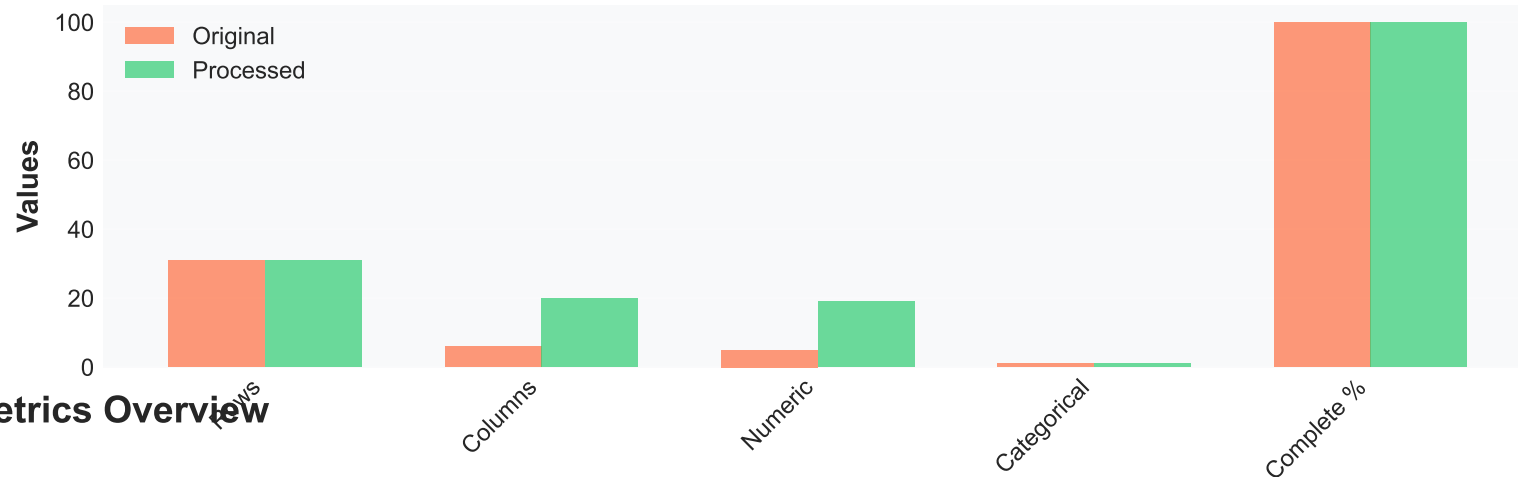
System Metrics Overview

DATASET METRICS SUMMARY

Records Processed: 31
Total Features: 20
Numeric Features: 19
Data Completeness: 100.0%

Quality Status: Production Ready
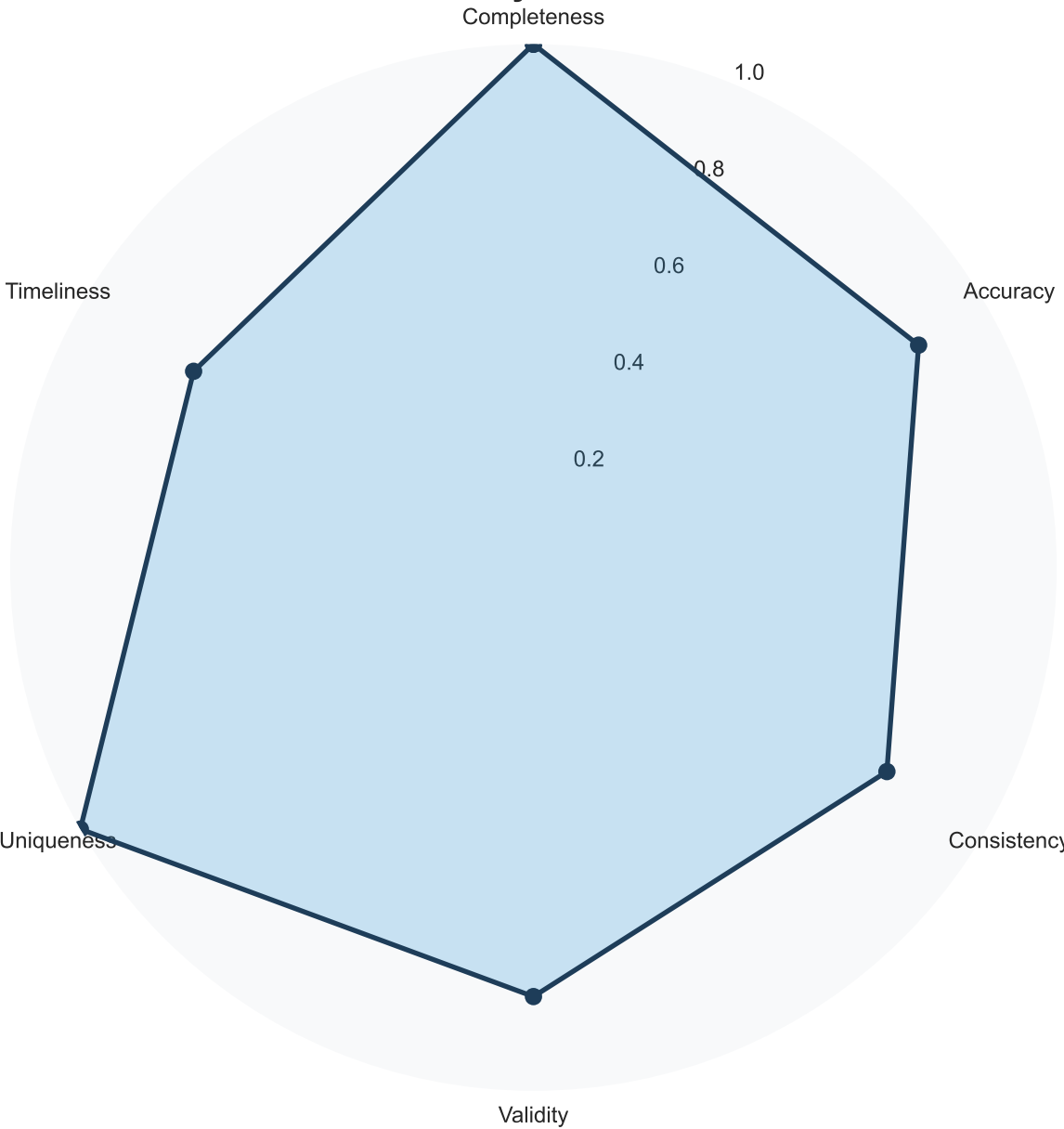ML Readiness: -35398672429539360%
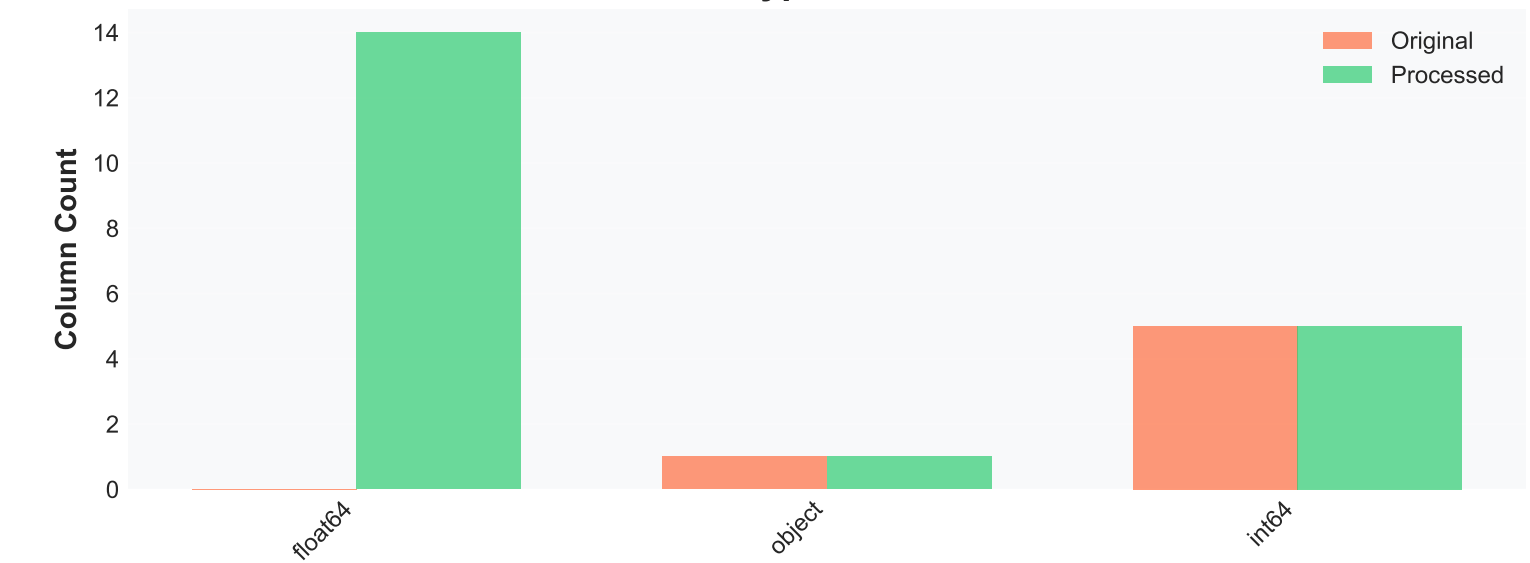
RECOMMENDED NEXT ACTIONS

1. Deploy to production environment
2. Set up monitoring dashboards
3. Configure automated alerts
4. Schedule regular quality audits
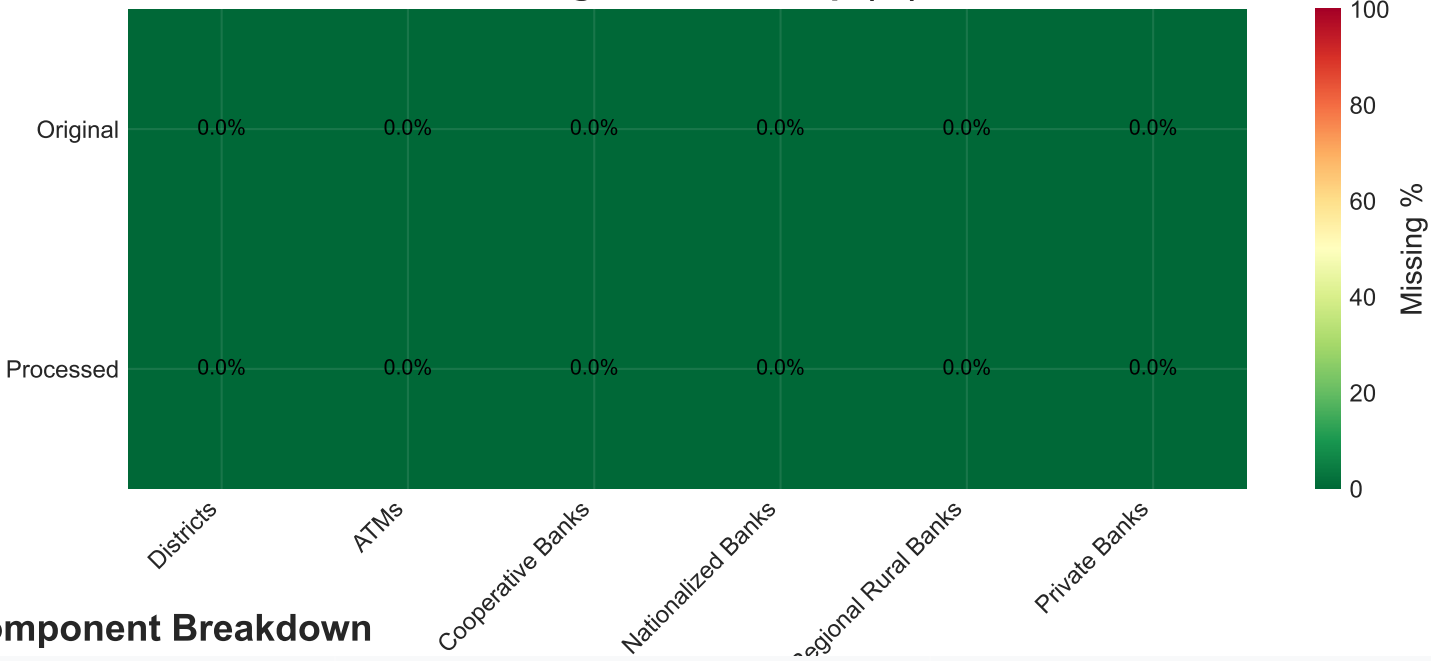5. Document transformation rules
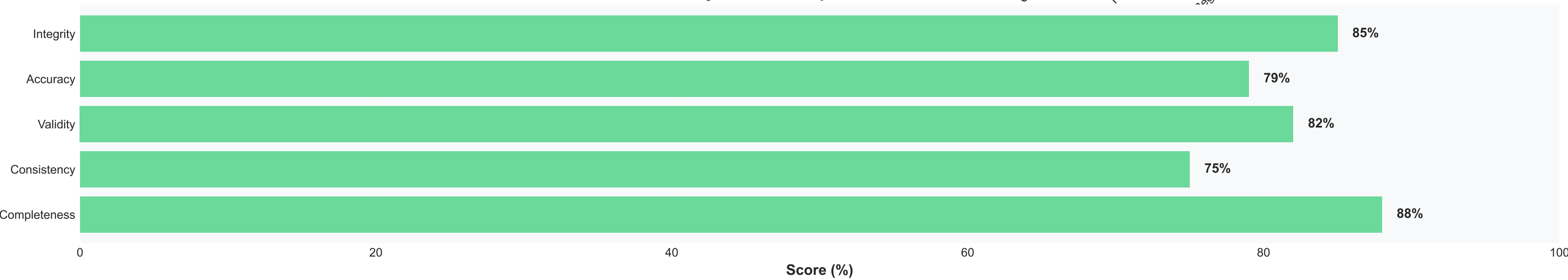
DATA QUALITY SCORECARD
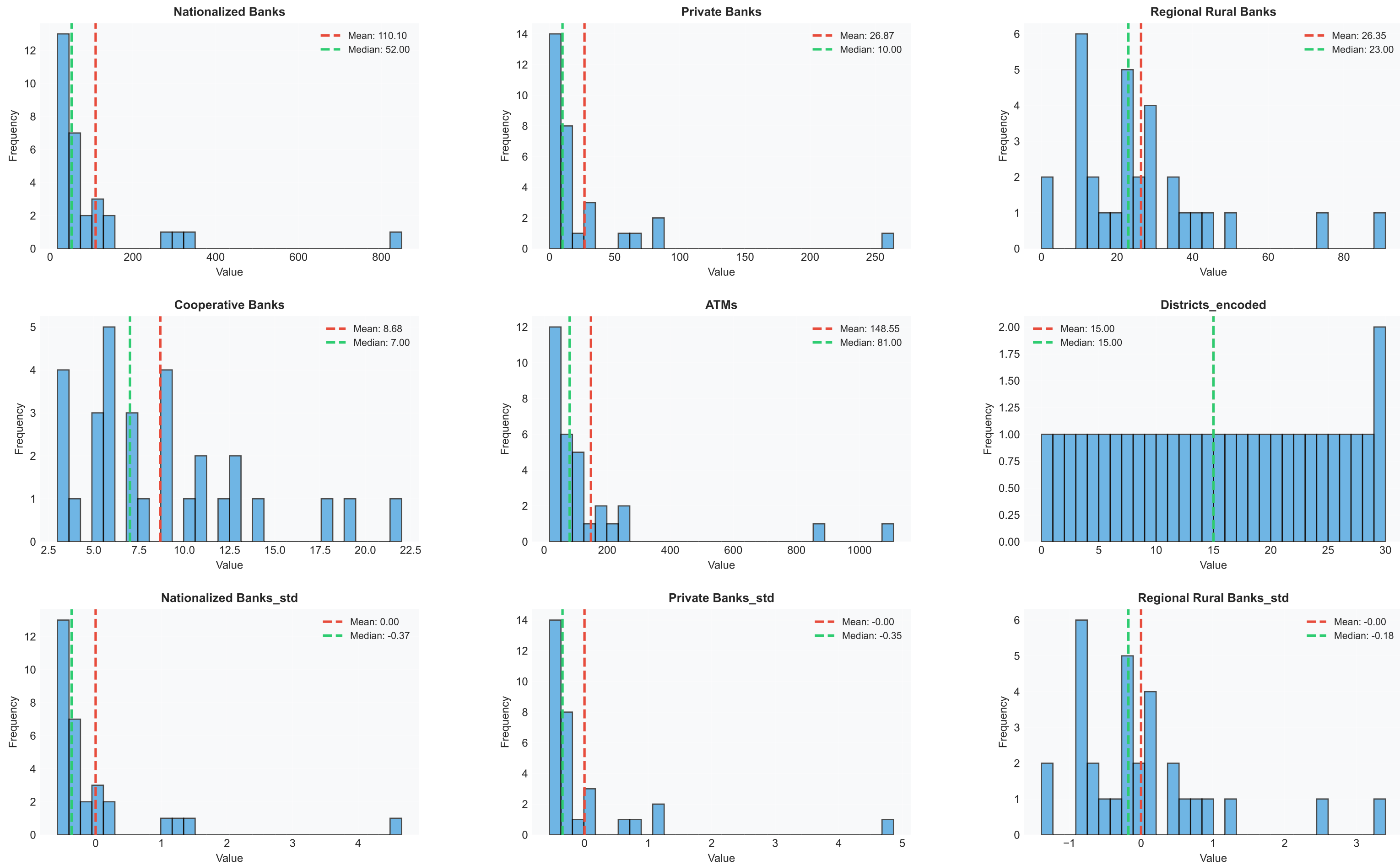
Data Quality Dimensions

Data Type Evolution

Legend: Original, Processed

Missing Data Heatmap (%)

	Districts	ATMs	Cooperative Banks	Nationalized Banks	Regional Rural Banks	Private Banks
Original	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Processed	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Quality Score Component Breakdown

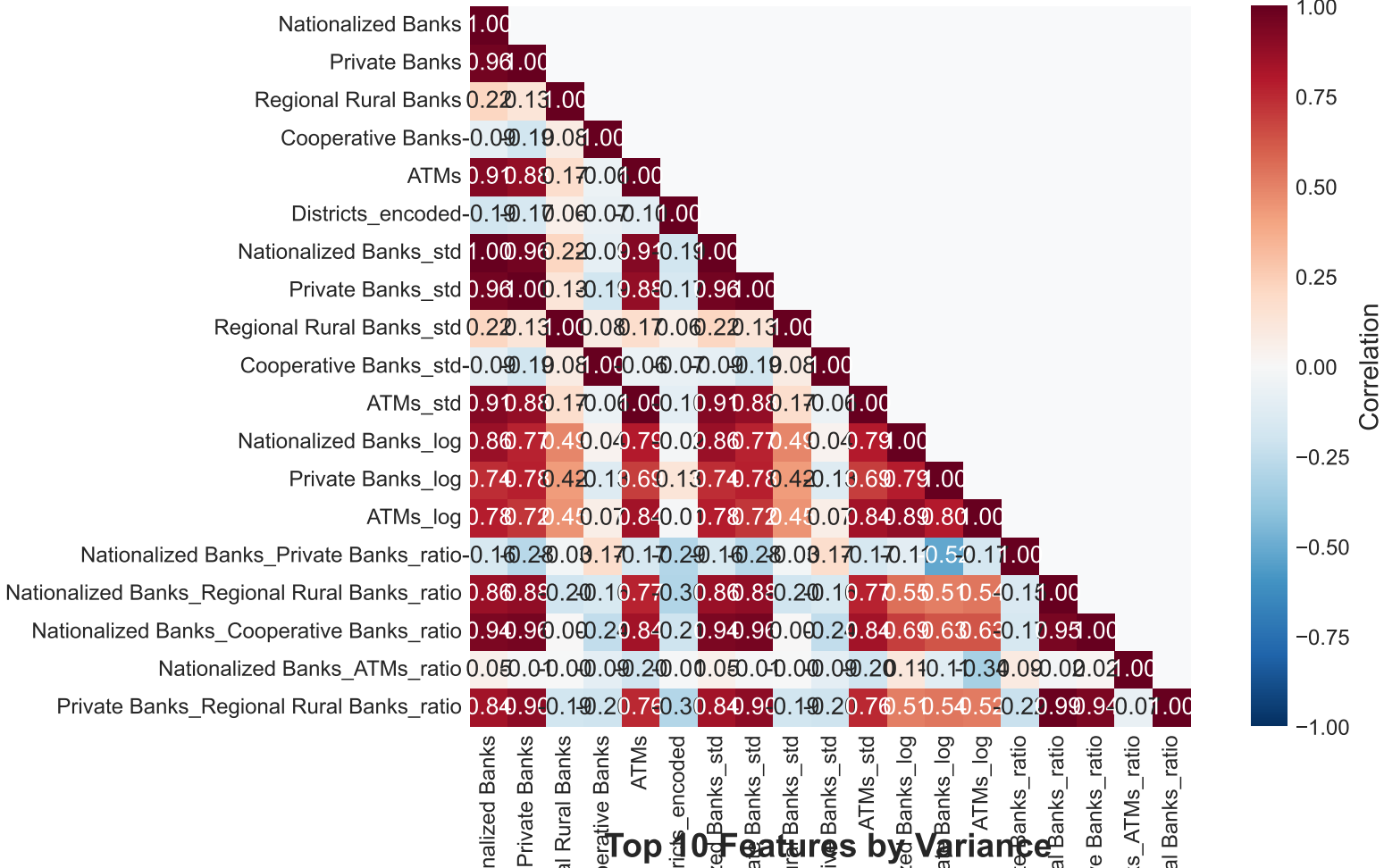| Component	Score
Integrity	85%
Accuracy	79%
Validity	82%
Consistency	75%
Completeness	88%

STATISTICAL DEEP DIVE ANALYSIS

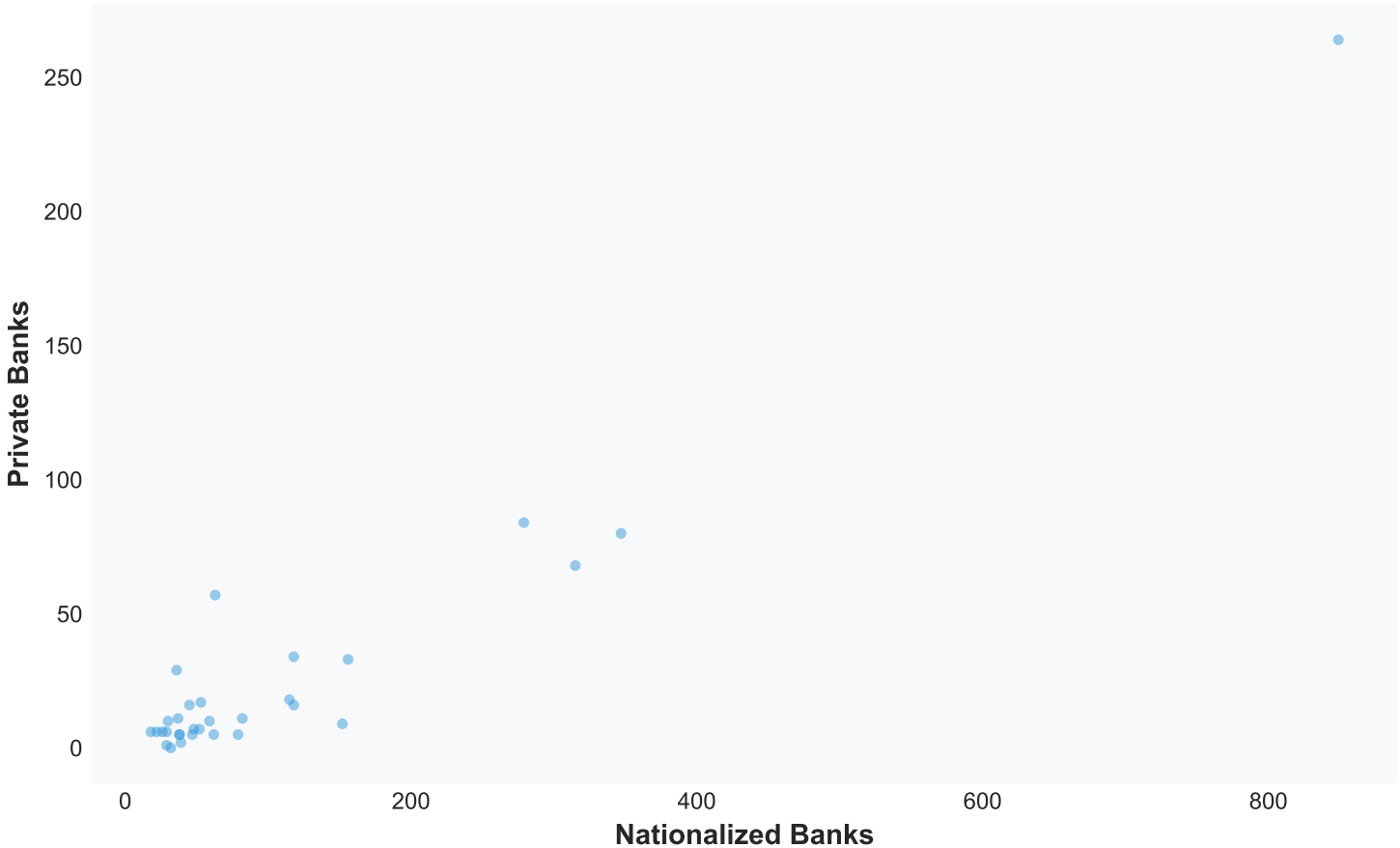# CORRELATION & PATTERN DISCOVERY

Correlation Matrix

PCA Explained Variance

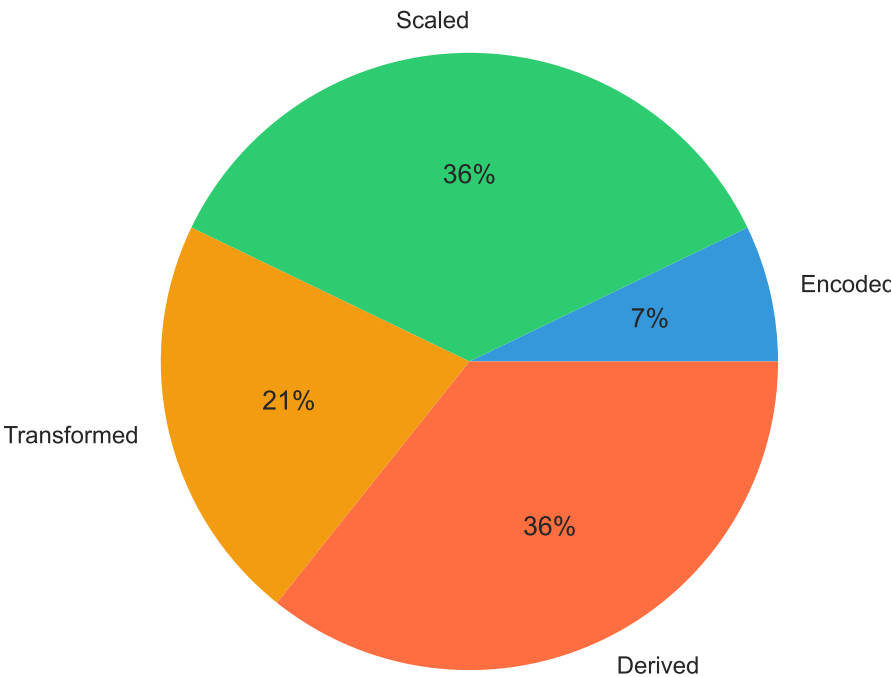## Top 10 Features by Variance
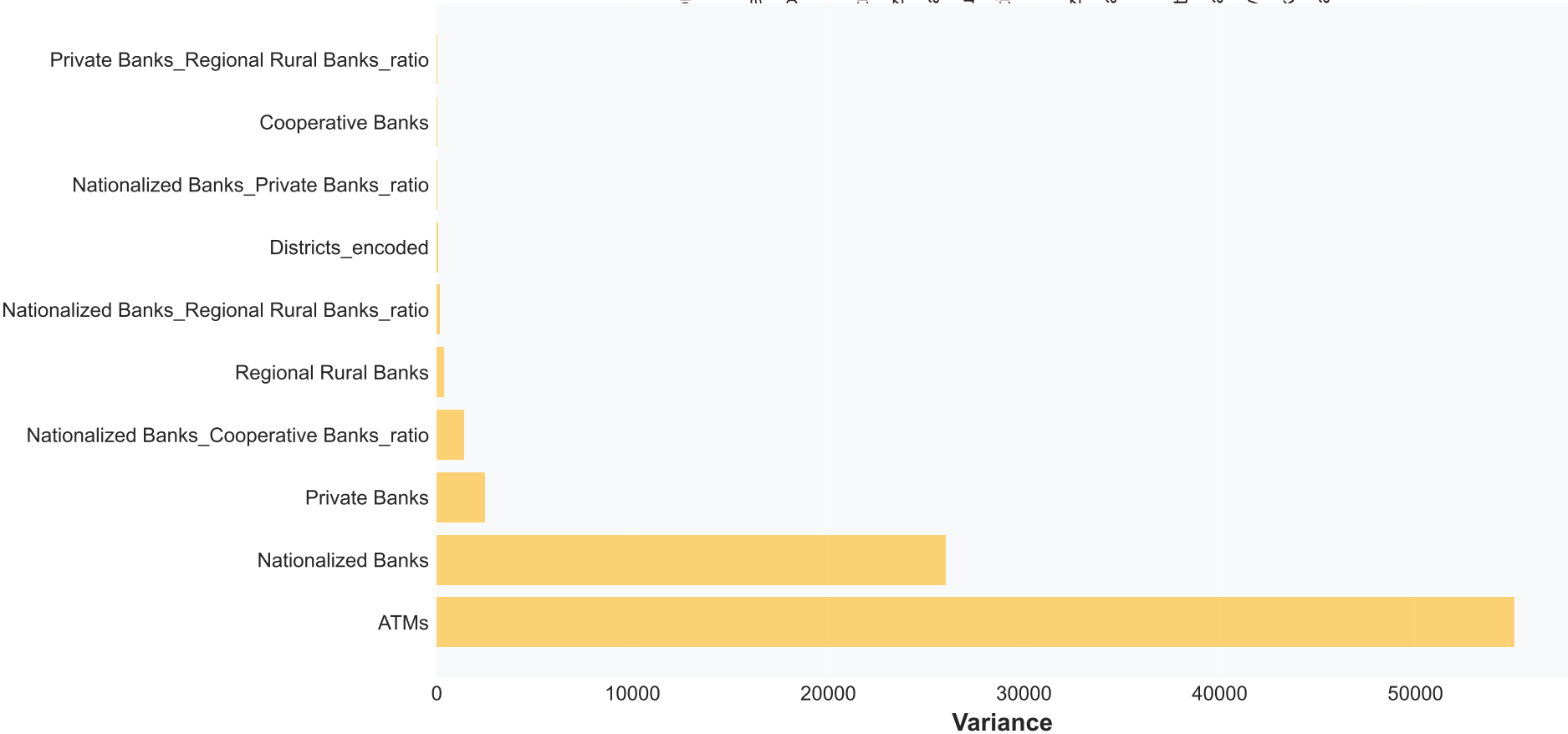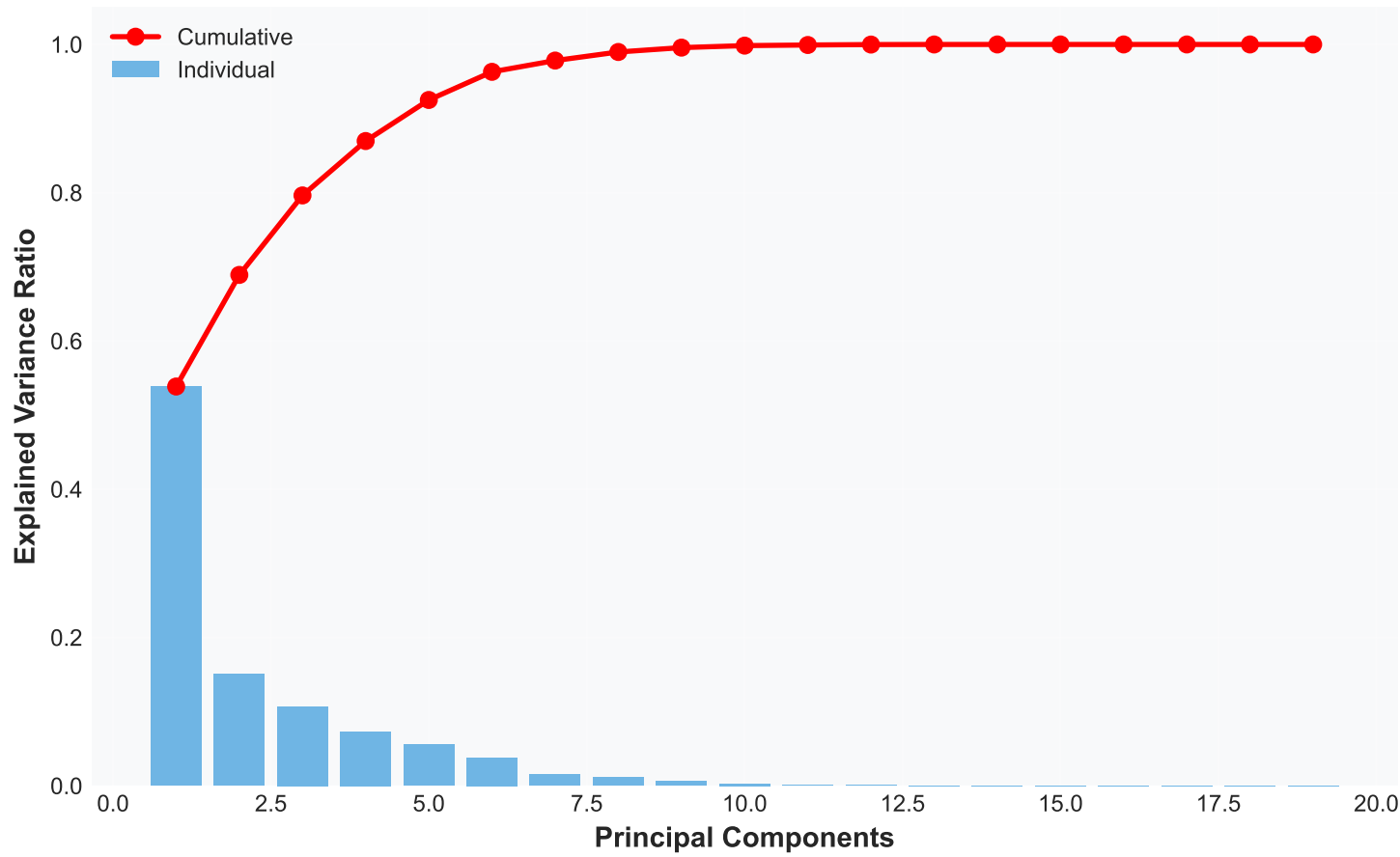
Data Distribution (Clustering Potential)

FEATURE ENGINEERING IMPACT ANALYSIS

Feature Engineering Summary (14 new features)

- Scaled 36%
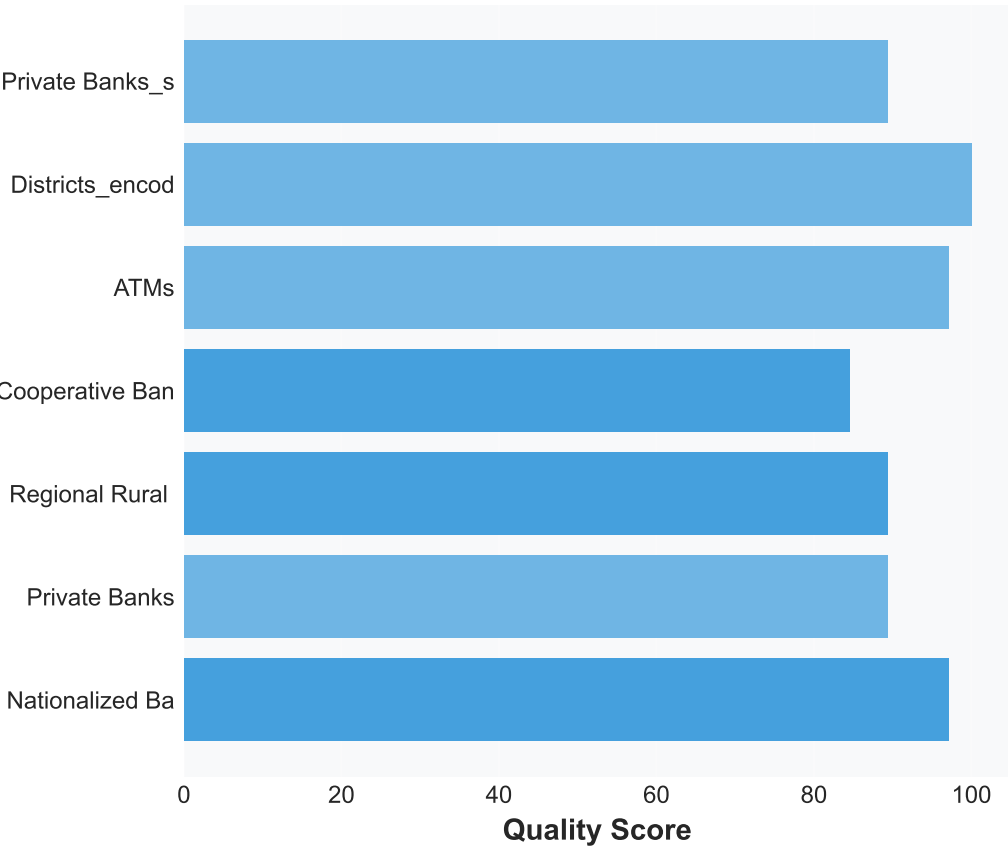- Encoded 7%
- Derived 36%
- Transformed 21%

Information Gain Analysis
- Original 30
- Processed 99
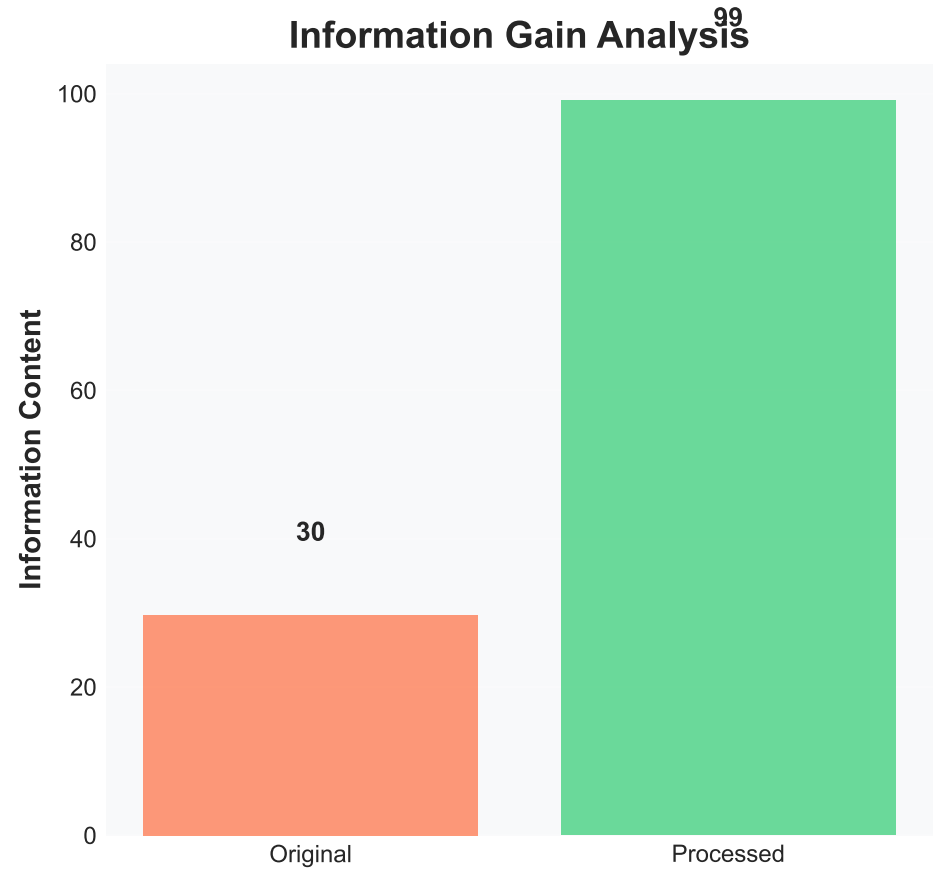
Dimensionality Changes
- Original
- Processed
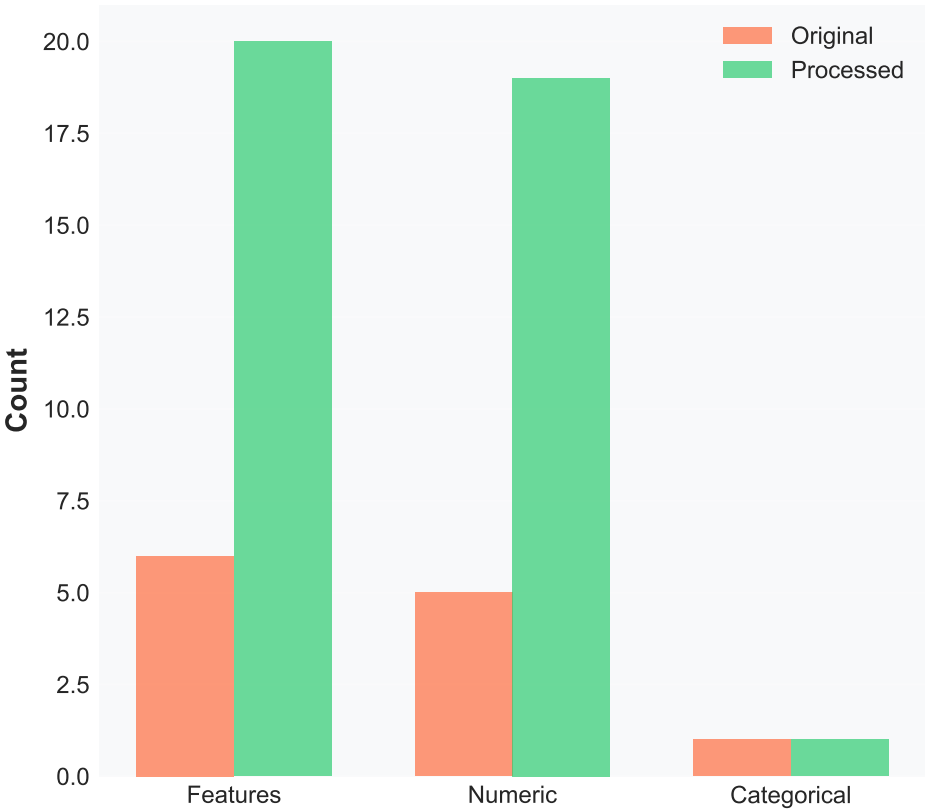
Feature Quality Assessment
- Private Banks_s
- Districts_encod
- ATMs
- Cooperative Ban
- Regional Rural
- Private Banks
- Nationalized Ba
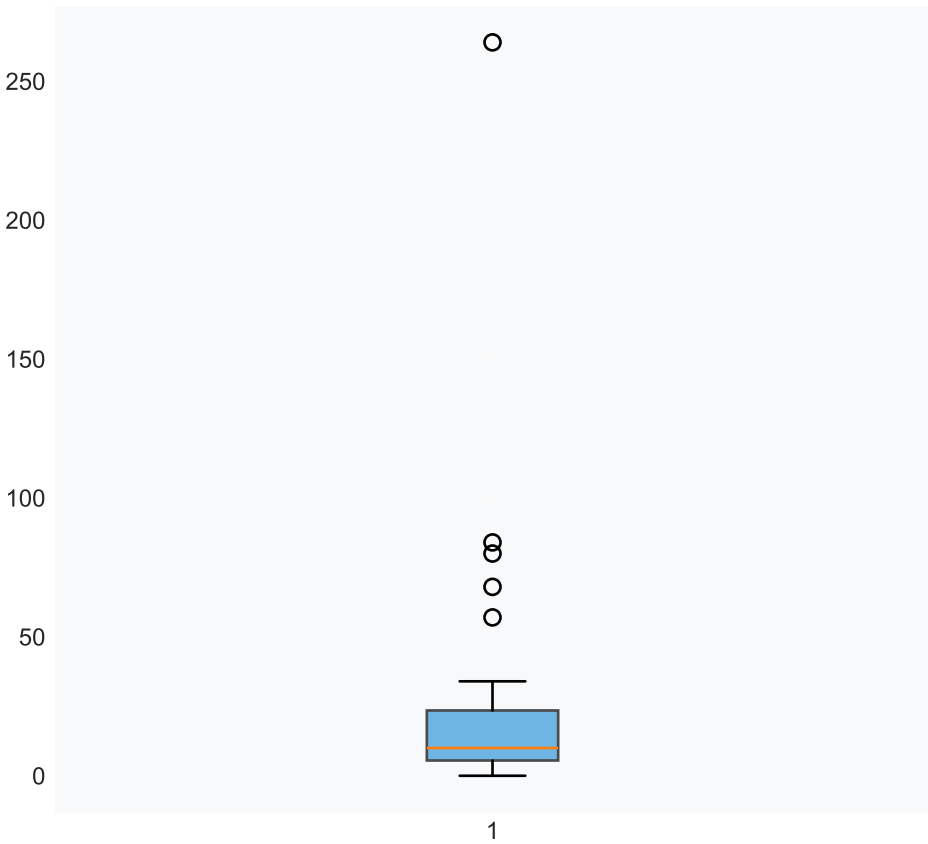
ANOMALY DETECTION & OUTLIER ANALYSIS

Nationalized Banks
12.9% outliers
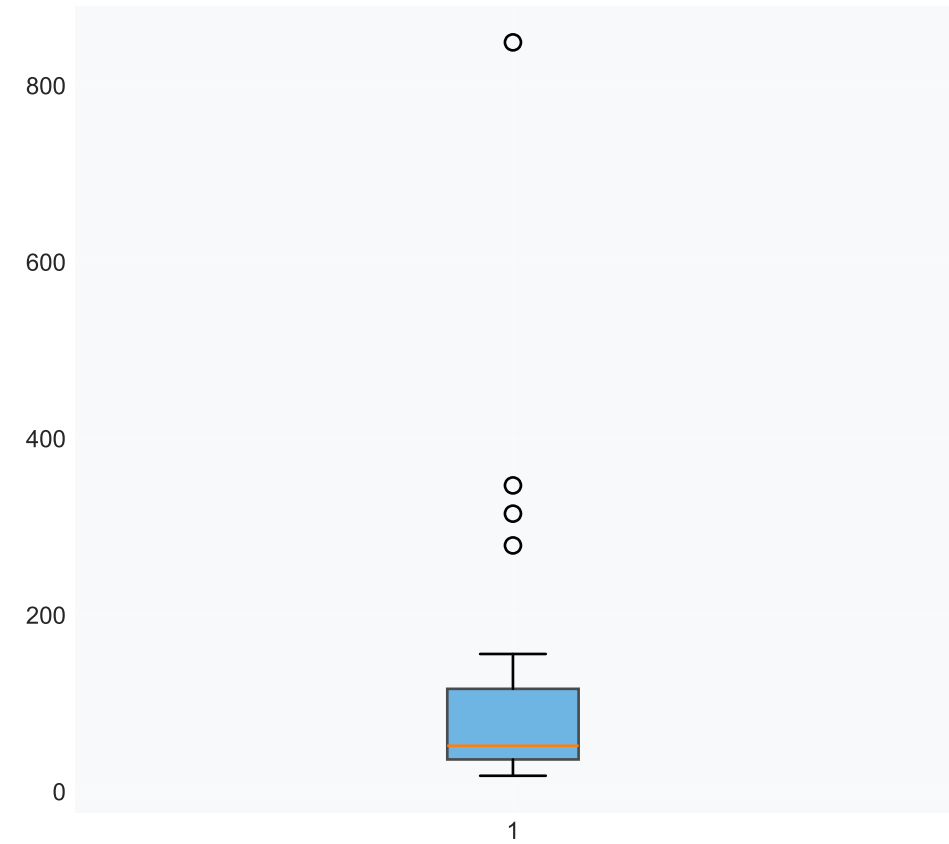
Private Banks
16.1% outliers

Regional Rural Banks
6.5% outliers
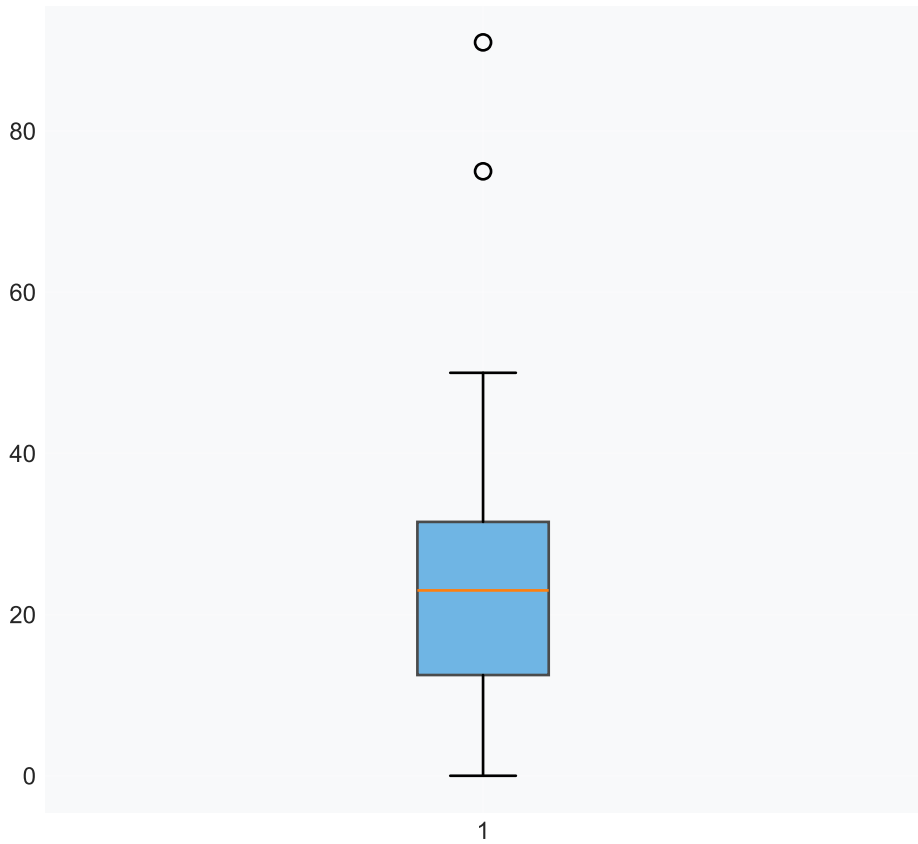
Cooperative Banks
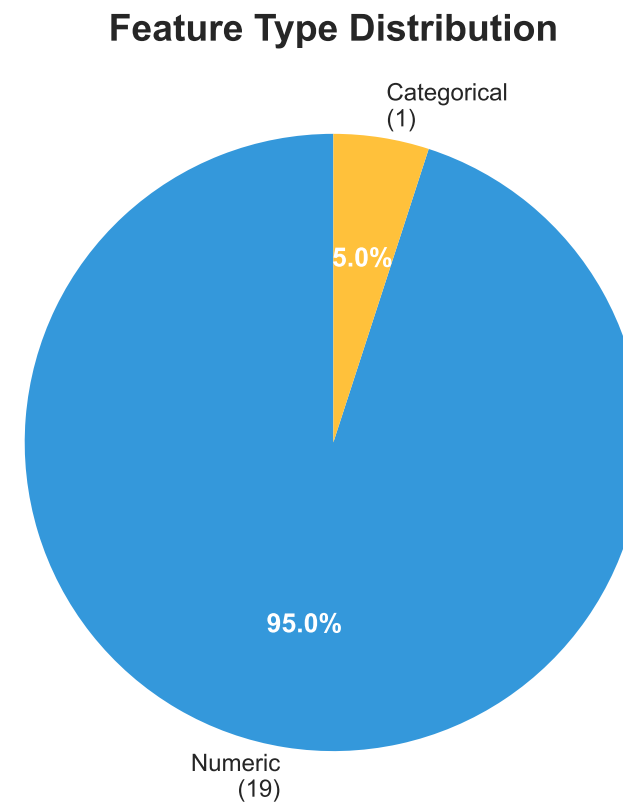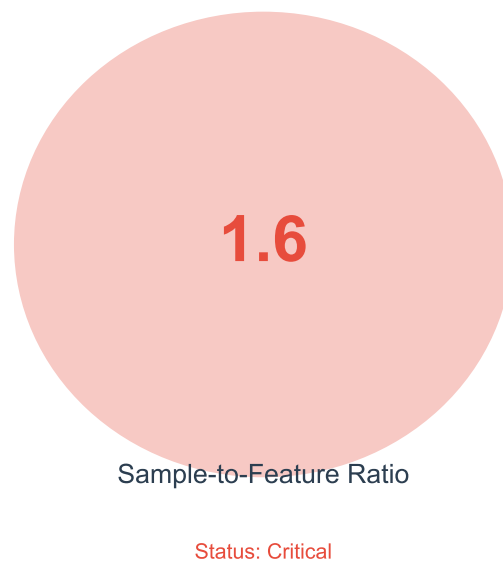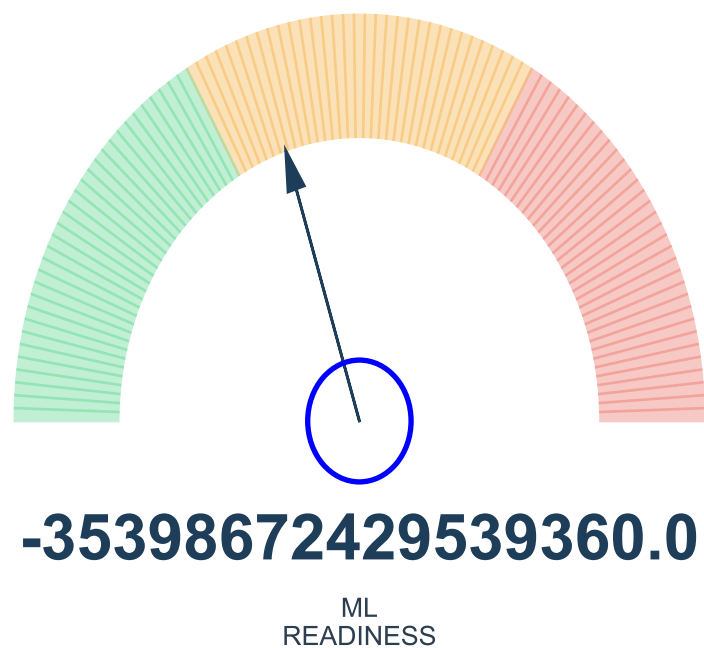**3.2% outliers**
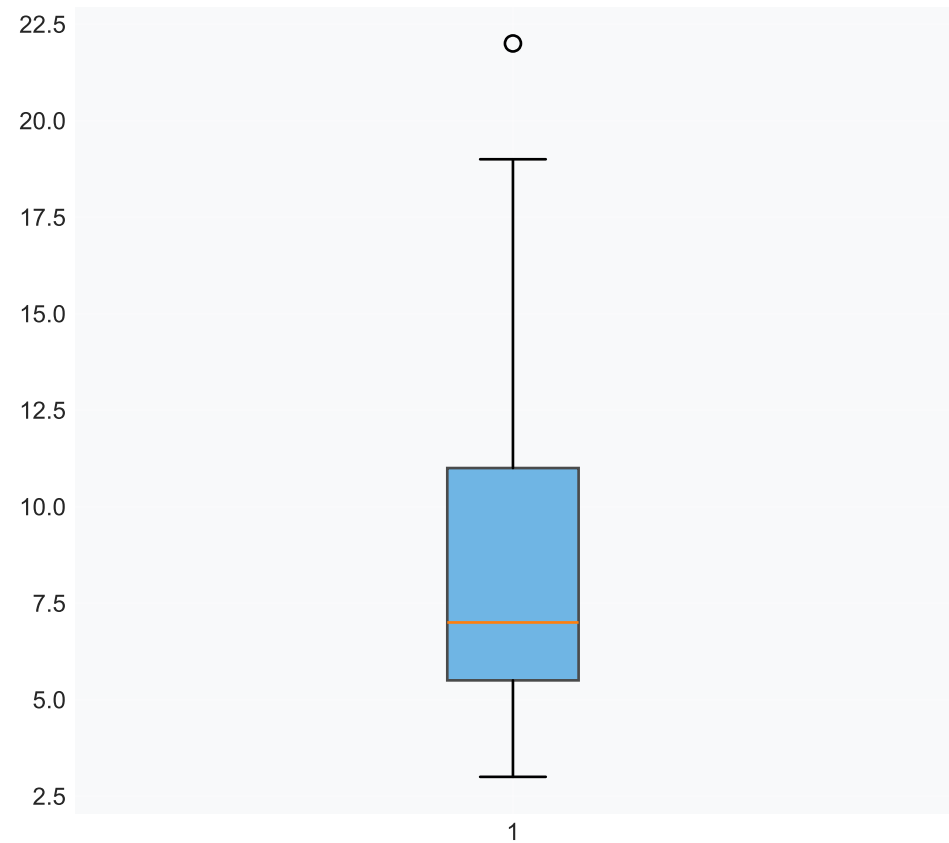
ATMs
6.5% outliers
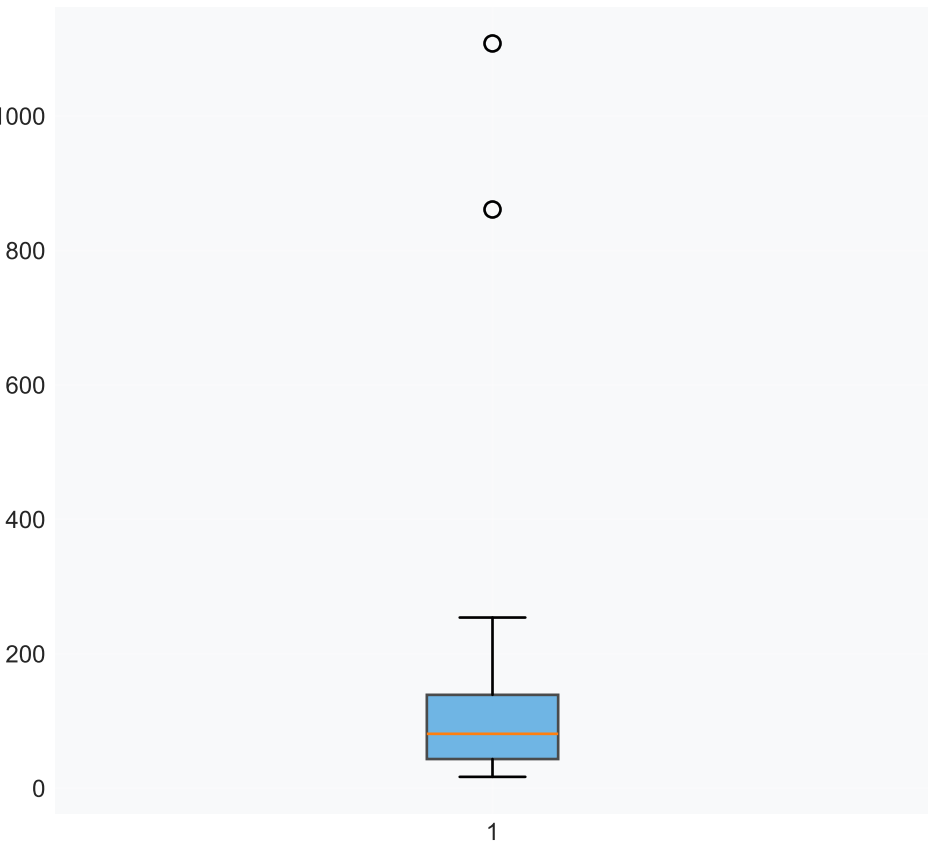
Districts_encoded
0.0% outliers
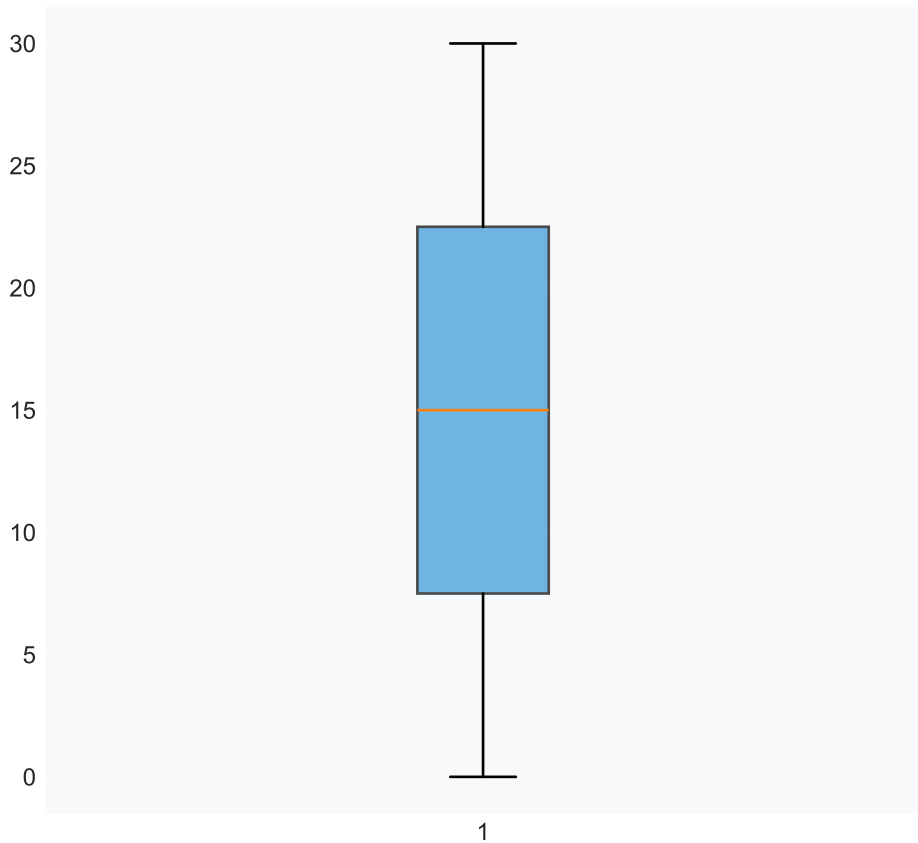
TEMPORAL PATTERNS & TRENDS

No temporal patterns detected in dataset

MACHINE LEARNING READINESS ASSESSMENT

Feature Type Distribution

Categorical
(1)

5.0%

95.0%

Numeric
(19)

-35398672429539360.0

ML
READINESS

1.6

Sample-to-Feature Ratio

Status: Critical

Recommended ML Algorithms

SVM — 75% - Good for classification

Logistic Regression — 78% - Baseline model

Suitability Score (%)