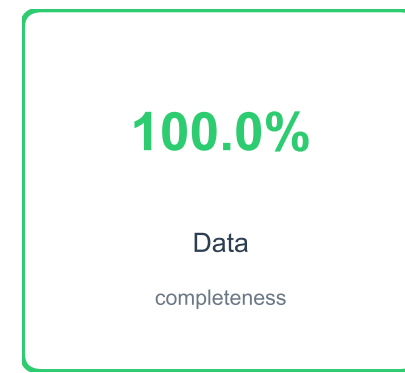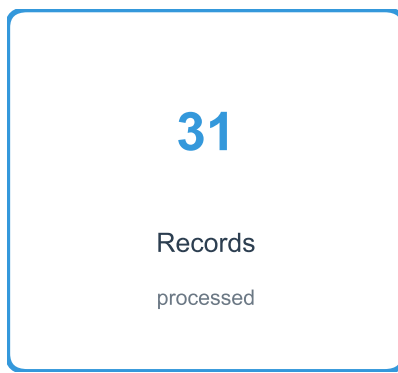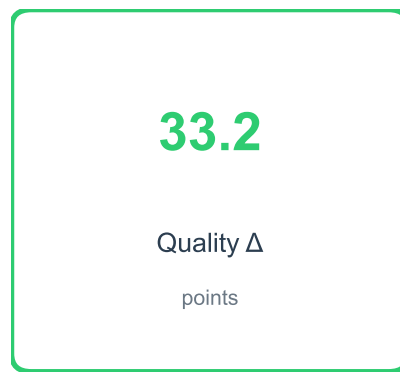# RTGS DATA INTELLIGENCE DASHBOARD

Executive Analytics Overview | Real-Time Gross Settlement System

33.2

Quality Δ

points

31

Records

processed

25

Features

engineered

100.0%

Data

completeness

83.2

QUALITY SCORE
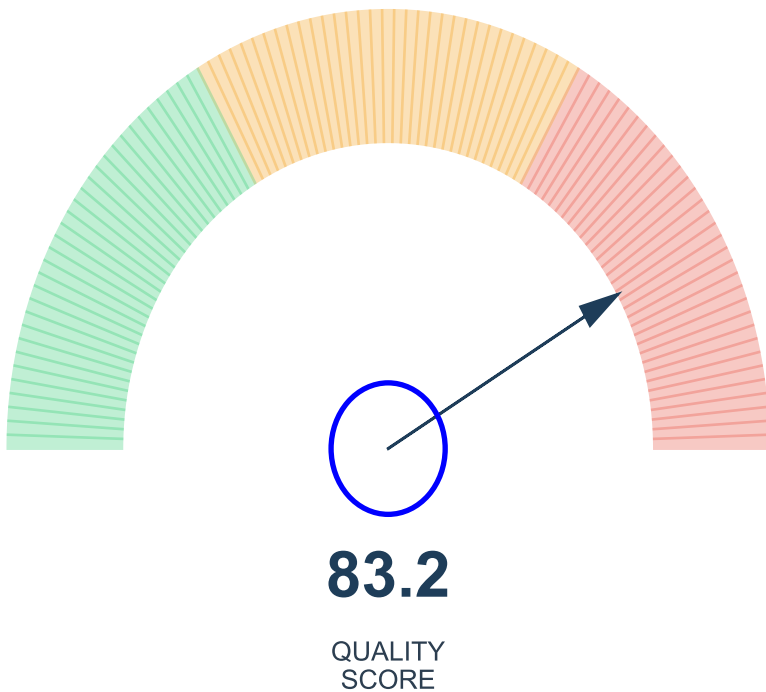
Data Processing Pipeline

Raw Data → Cleaned → Transformed → Validated → Production

Quality Improvement Trajectory

Initial: 50.0
Cleaning: 60.0
Transformation: 69.9
Validation: 78.2
Final: 83.2

(Quality Score axis: 0–100)
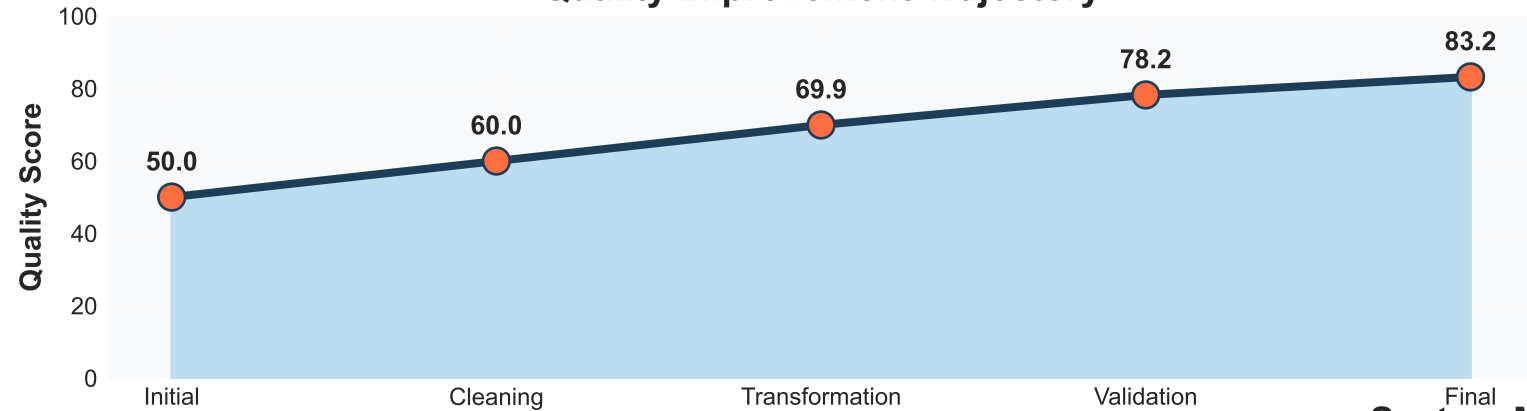
Dataset Profile Comparison

- Original
- Processed

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

Risk Assessment Matrix

- Scalability
- Completeness
- Data Quality
- Outliers

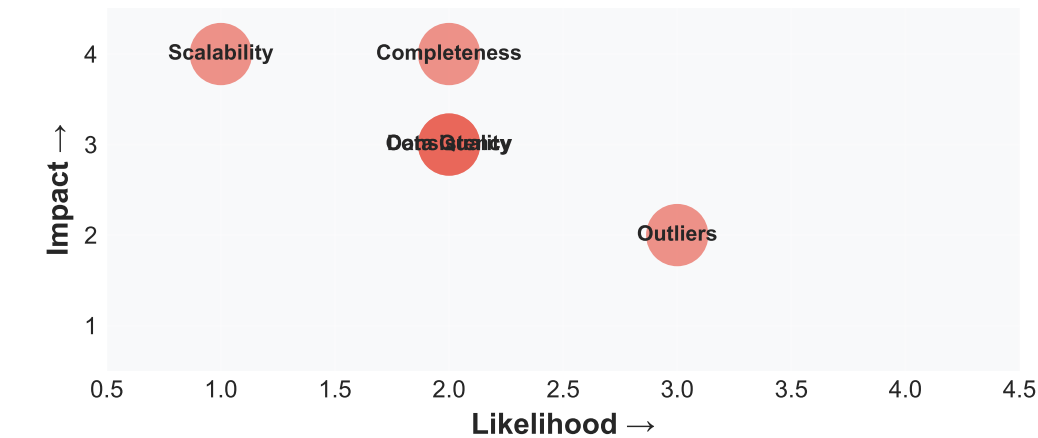Axes: Impact ↑ (1–4), Likelihood → (0.5–4.5)
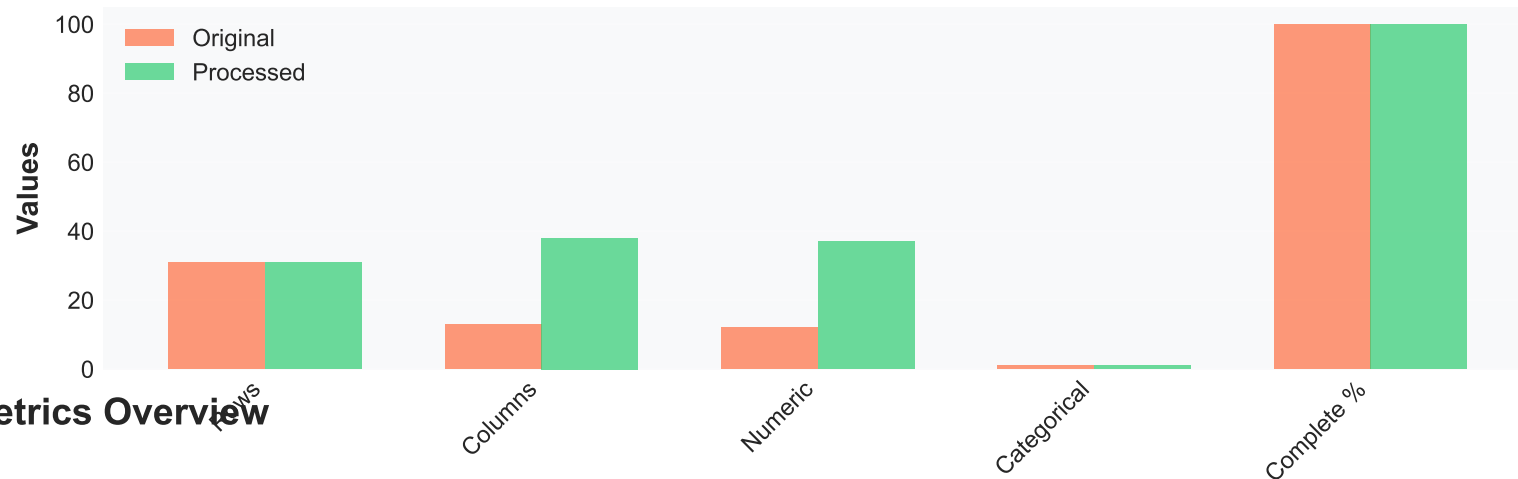
System Metrics Overview

DATASET METRICS SUMMARY

Records Processed: 31
Total Features: 38
Numeric Features: 37
Data Completeness: 100.0%

Quality Status: Production Ready
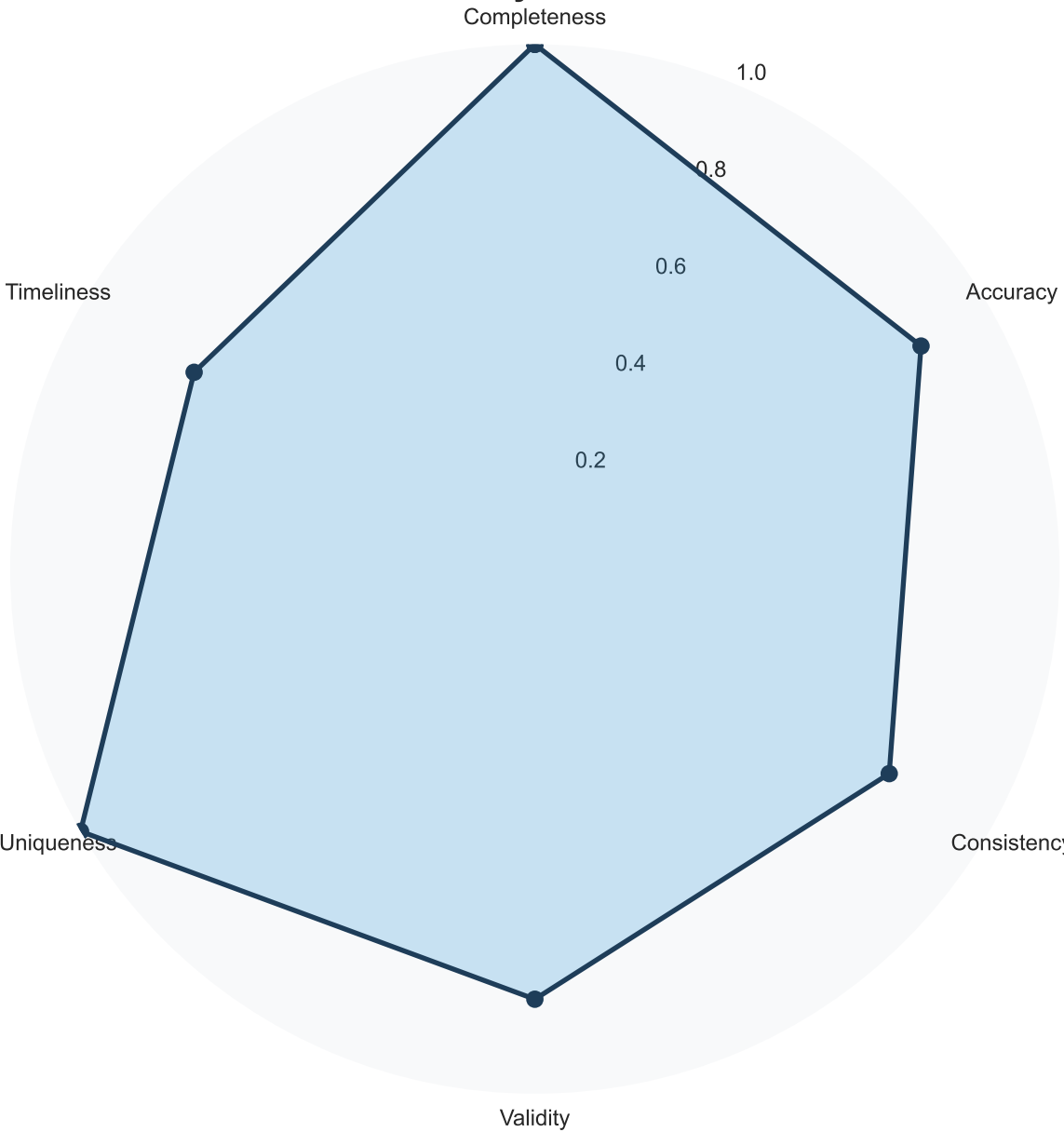ML Readiness: -19680918683520924%
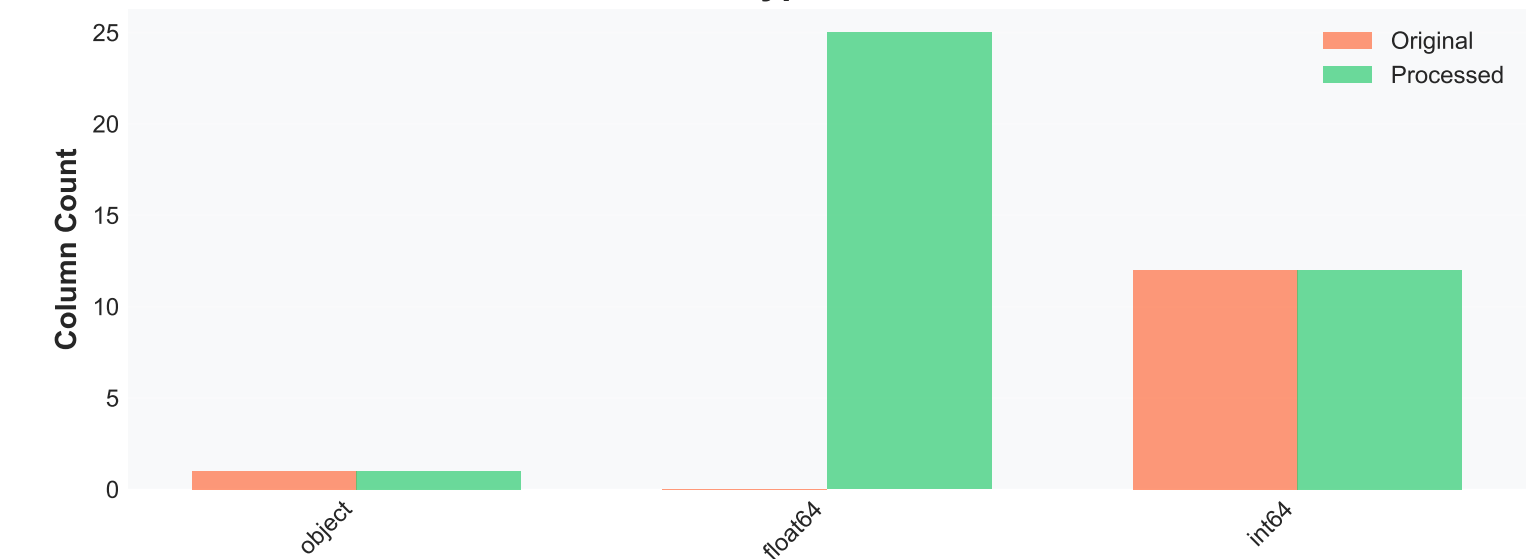
RECOMMENDED NEXT ACTIONS

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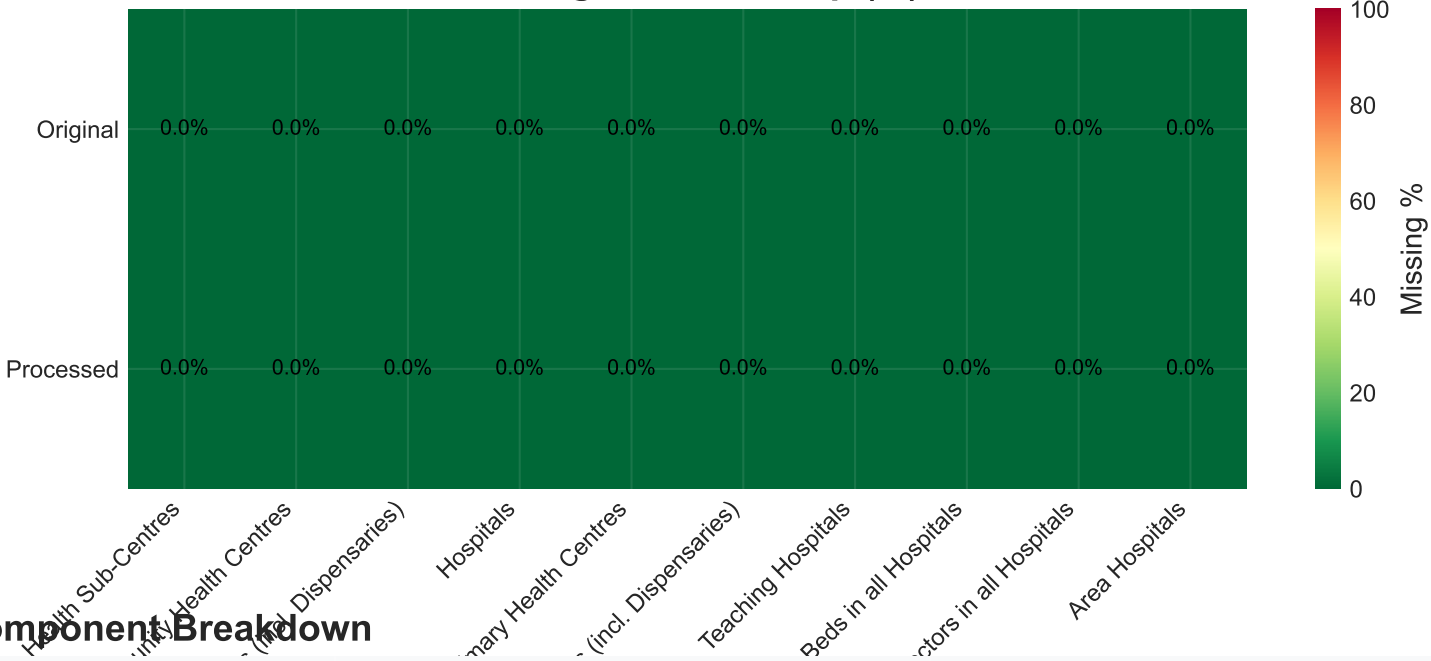5. Document transformation rules
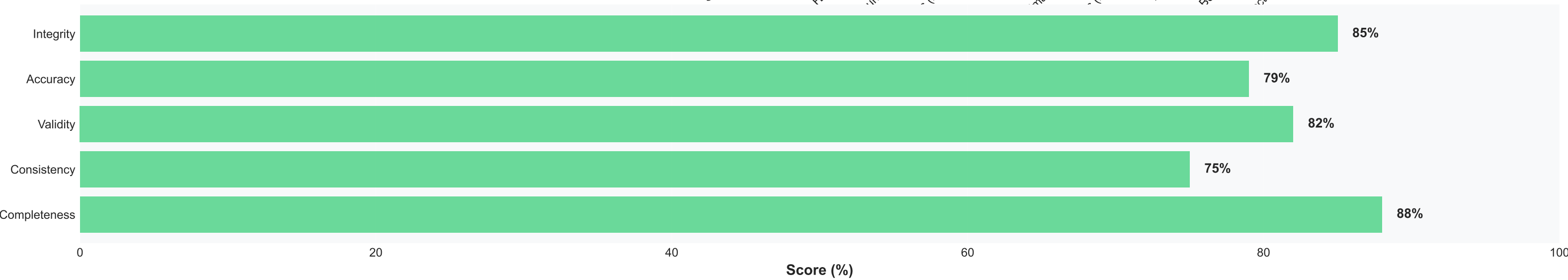
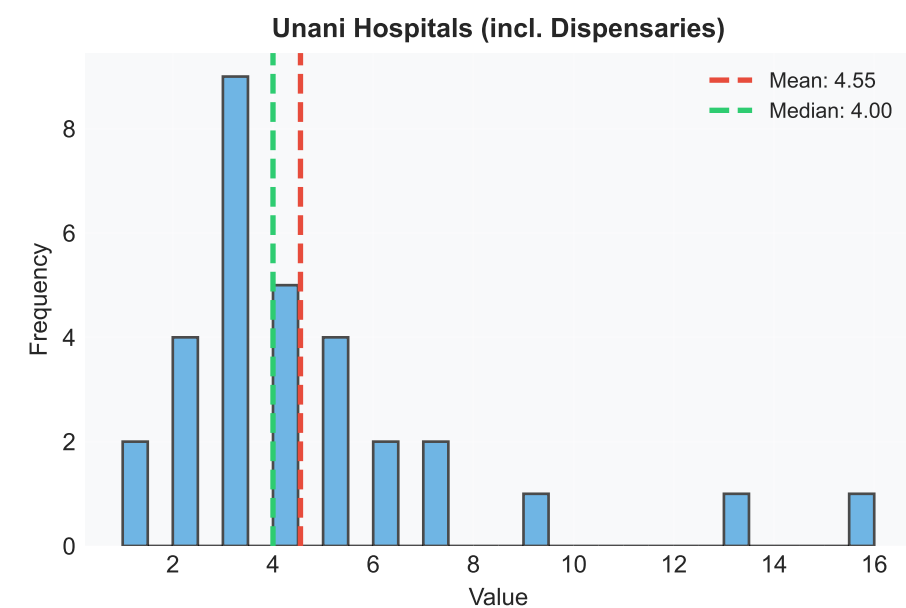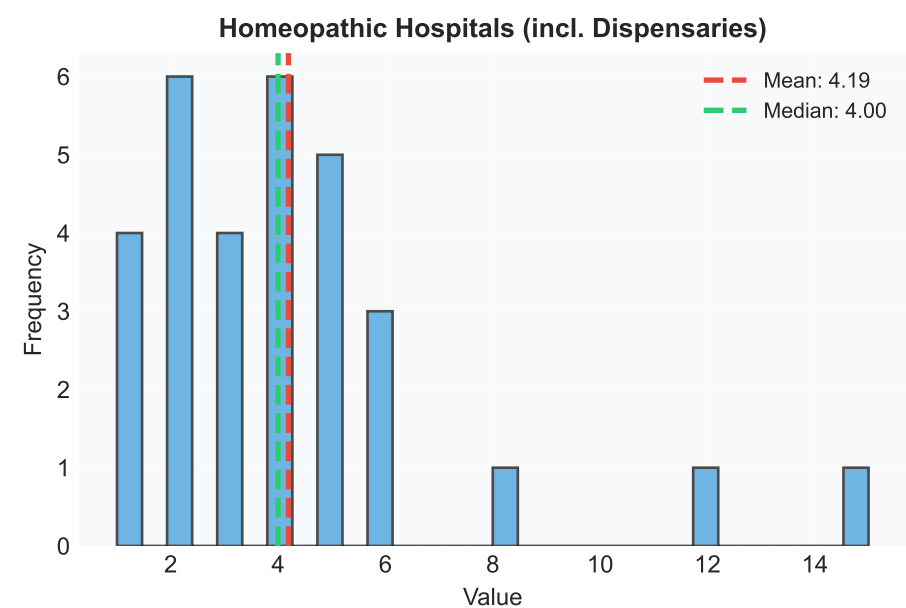# DATA QUALITY SCORECARD

Data Quality Dimensions

Data Type Evolution

Missing Data Heatmap (%)

	Health Sub-Centres	...ity Health Centres	...d Dispensaries)	Hospitals	...mary Health Centres	...s (incl. Dispensaries)	Teaching Hospitals	Beds in all Hospitals	...ctors in all Hospitals	Area Hospitals
Original	0.0%	0.0%	0.0%	0.0%	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%	0.0%	0.0%	0.0%	0.0%

Quality Score Component Breakdown

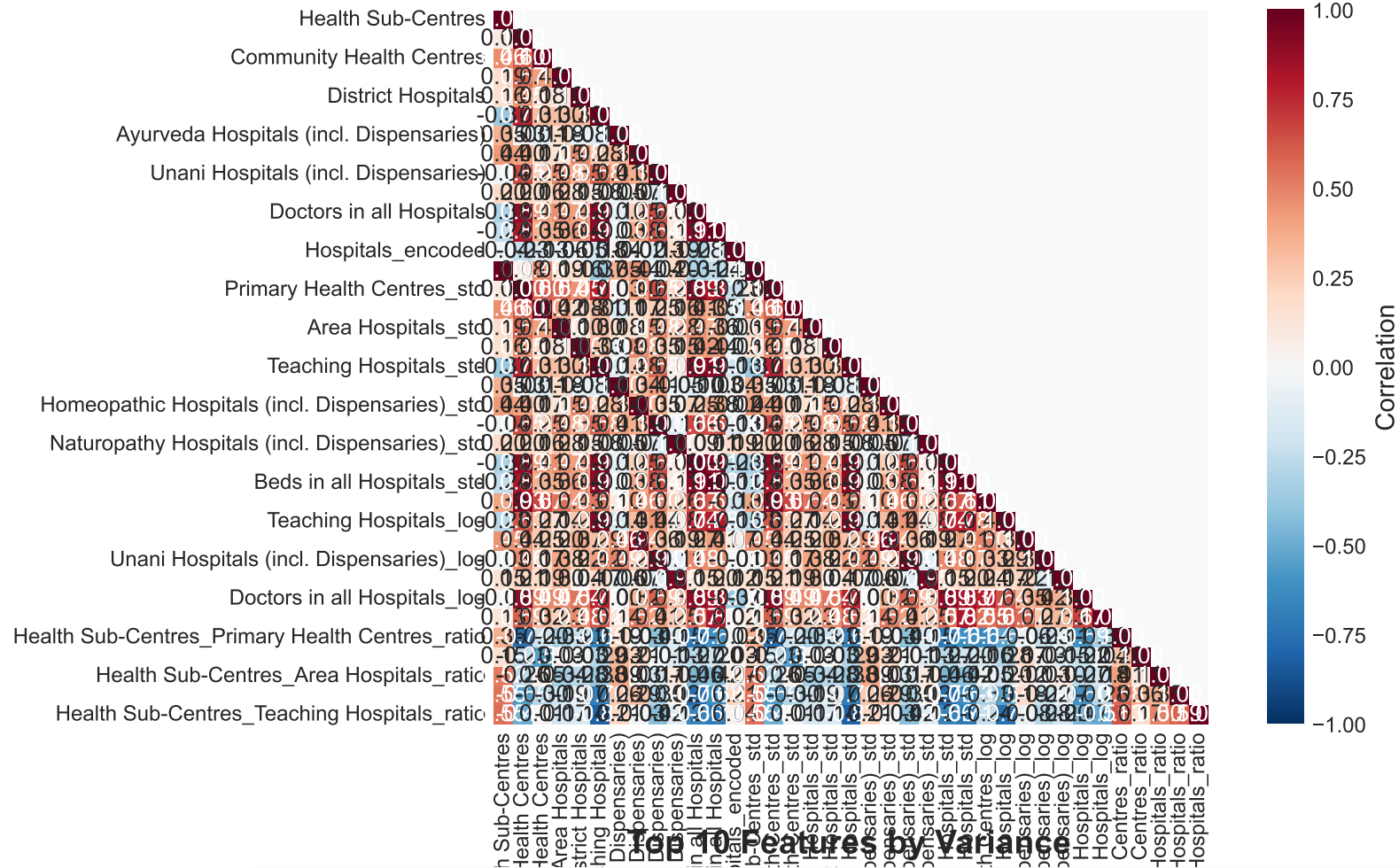| Component	Score (%)
Integrity	85%
Accuracy	79%
Validity	82%
Consistency	75%
Completeness	88%

STATISTICAL DEEP DIVE ANALYSIS
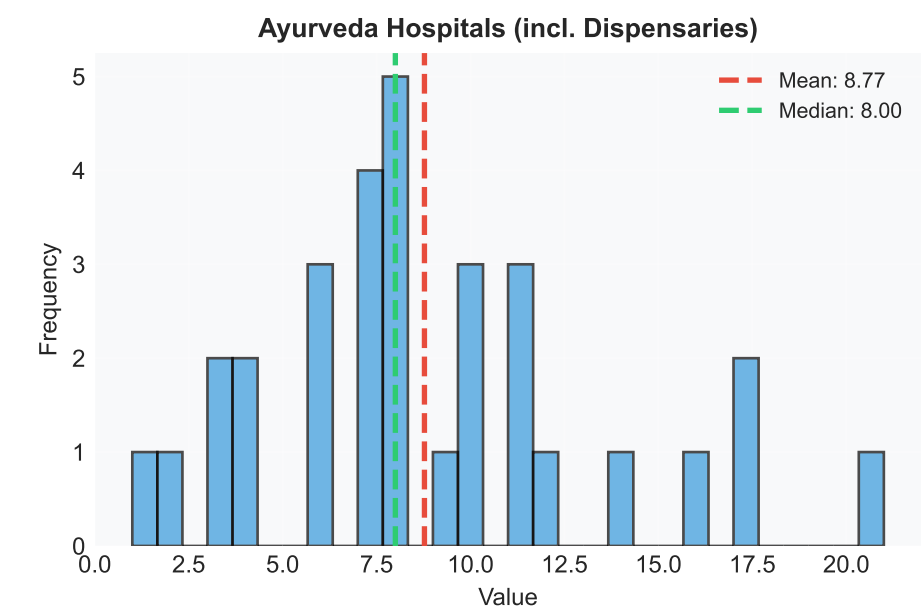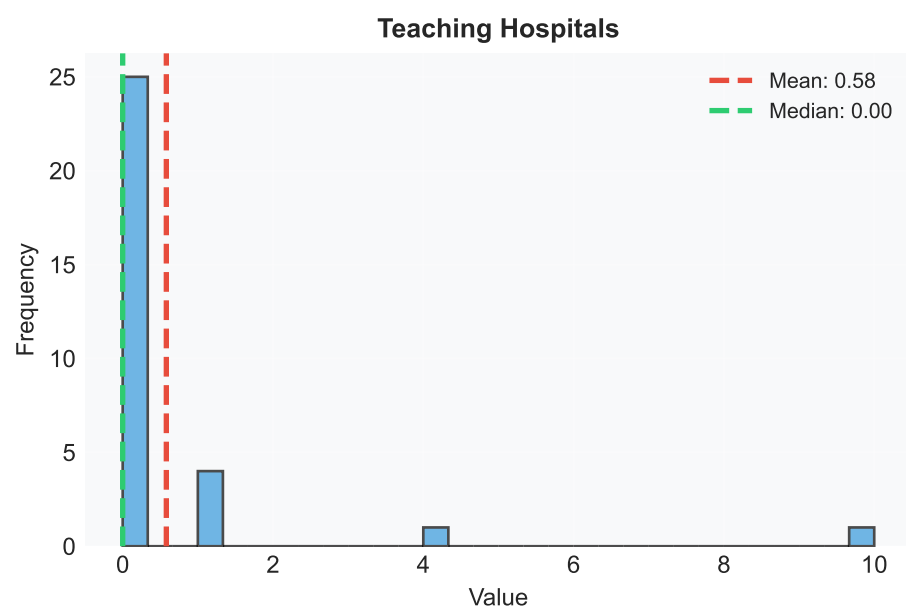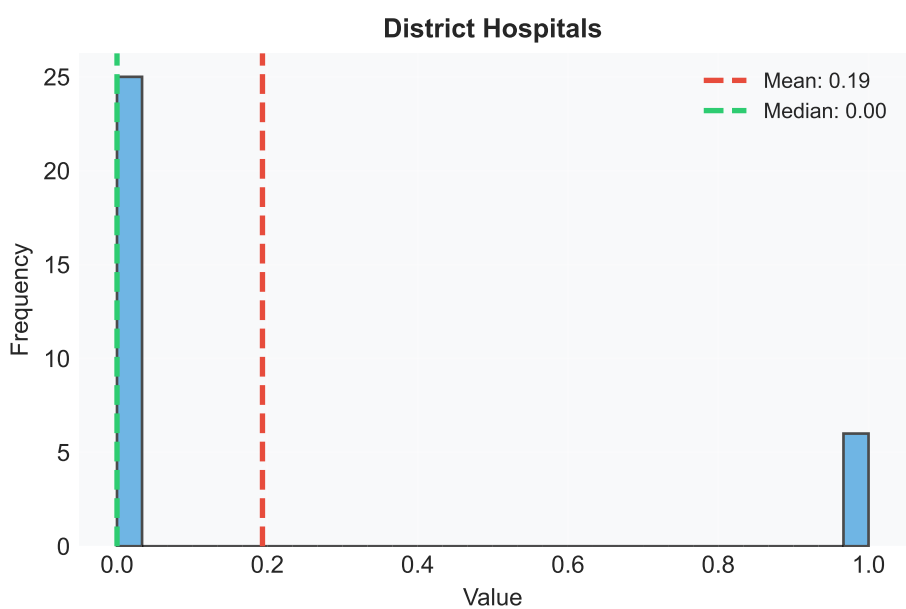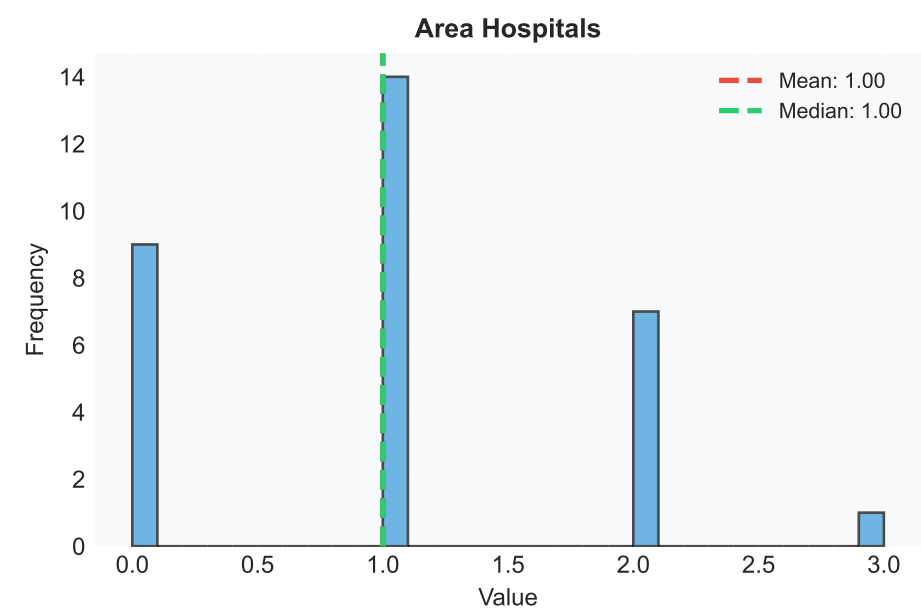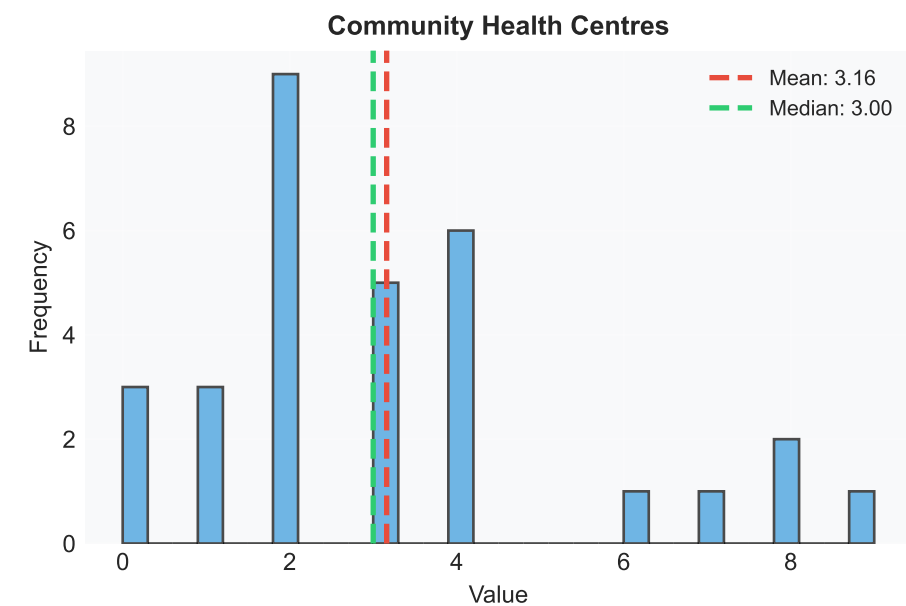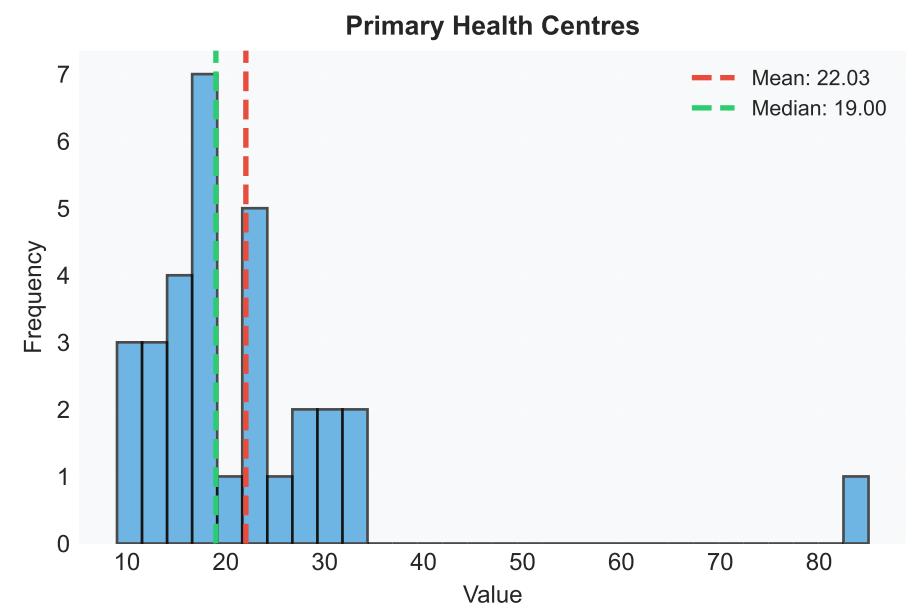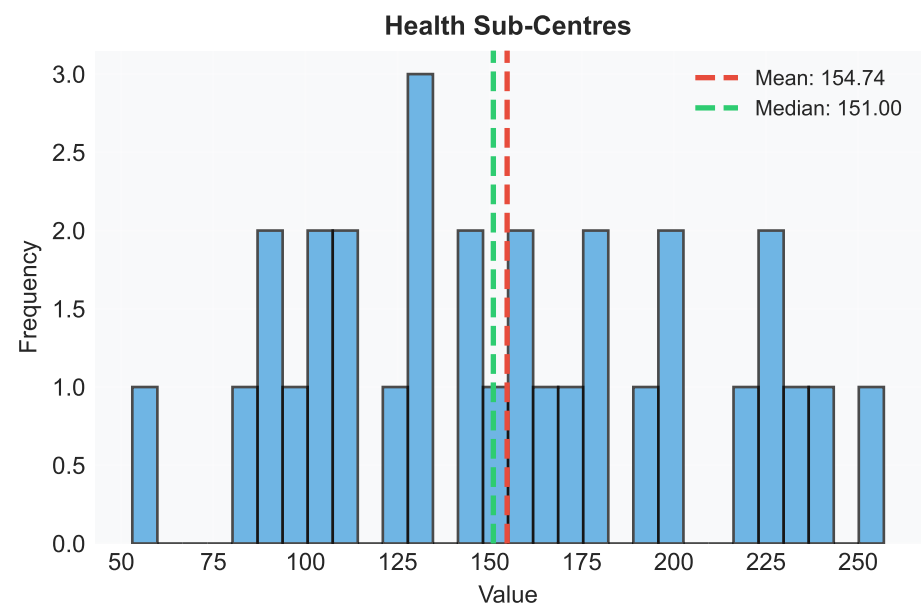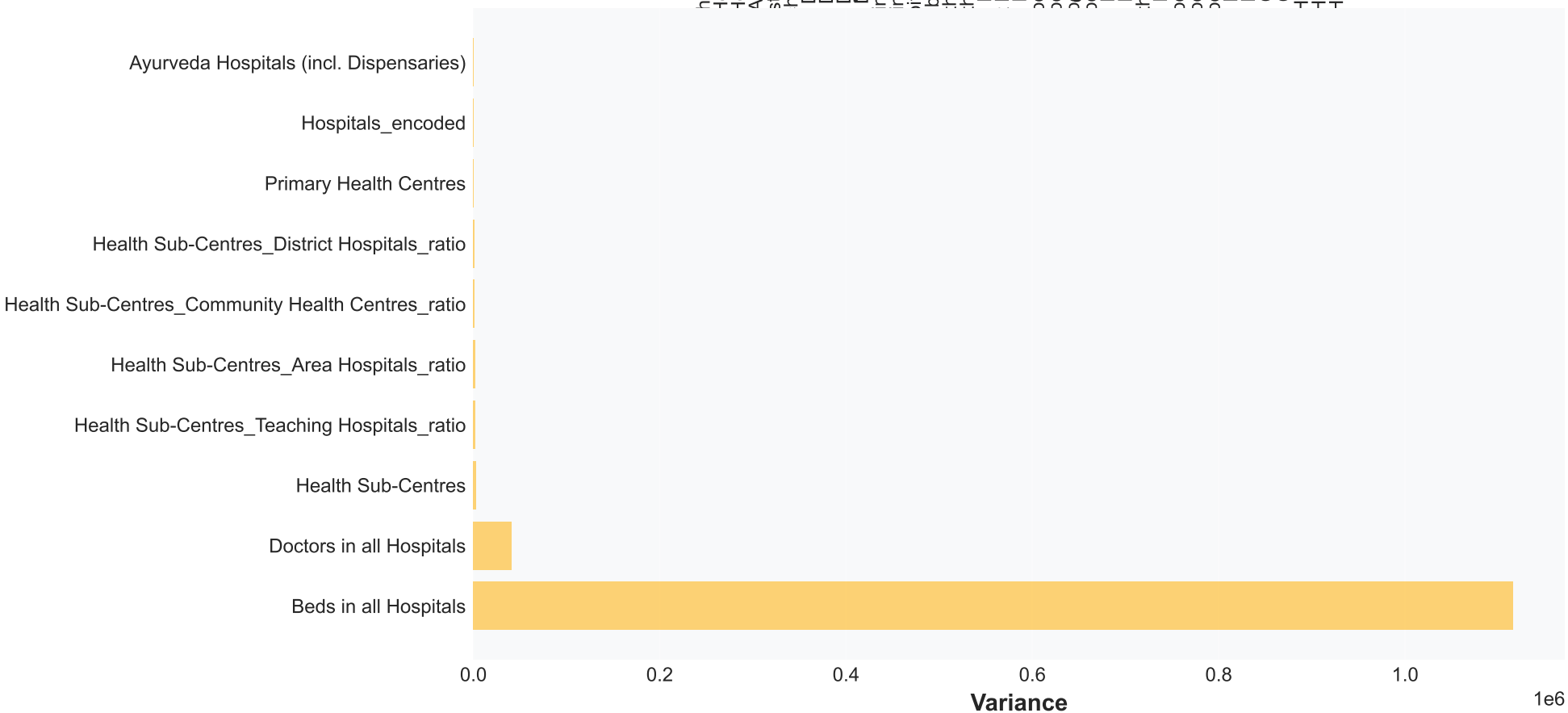
CORRELATION & PATTERN DISCOVERY

Correlation Matrix

PCA Explained Variance

Top 10 Features by Variance

Data Distribution (Clustering Potential)
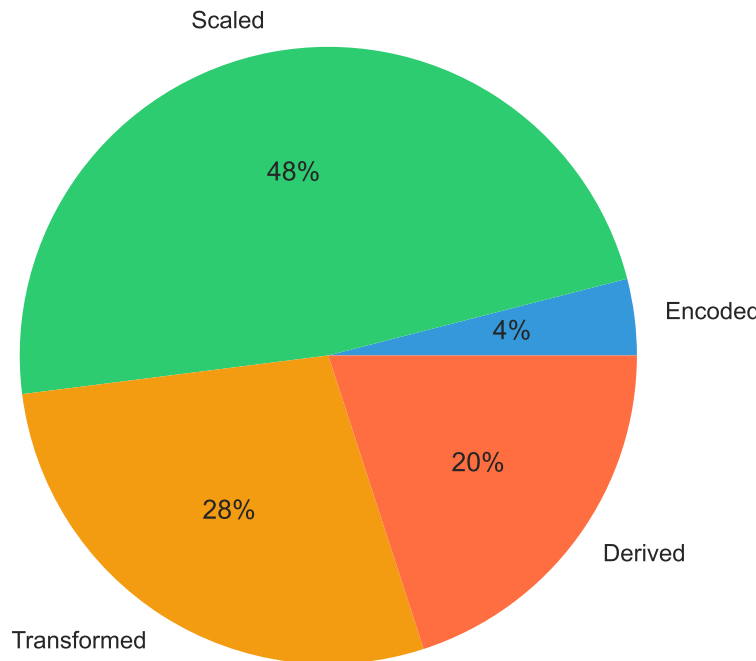
FEATURE ENGINEERING IMPACT ANALYSIS

Feature Engineering Summary (25 new features)

- Scaled: 48%
- Encoded: 4%
- Derived: 20%
- Transformed: 28%

Information Gain Analysis

- Original: 64
- Processed: 188
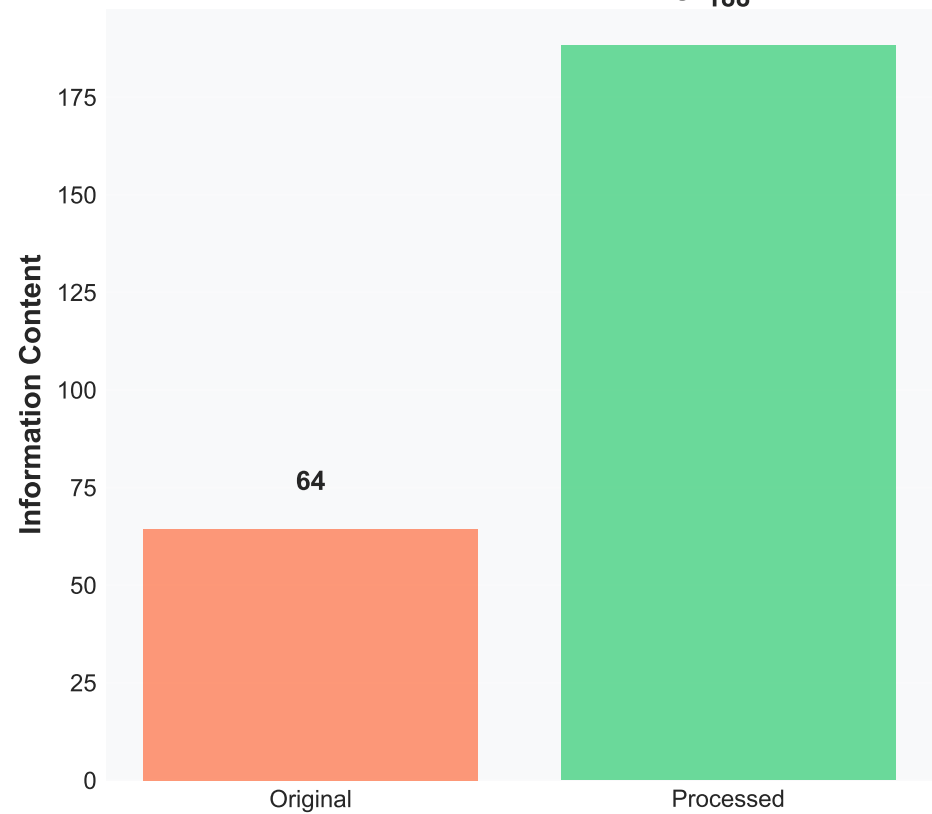
Dimensionality Changes

- Original
- Processed

Categories: Features, Numeric, Categorical
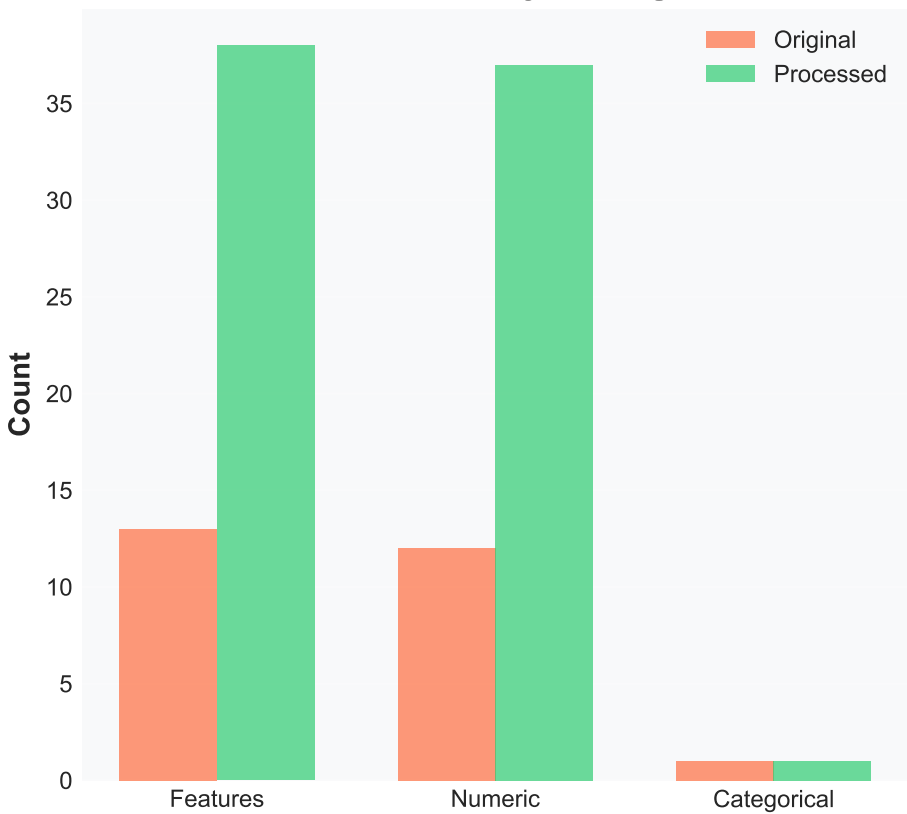
Feature Quality Assessment

- Naturopathy Hos
- Unani Hospitals
- Homeopathic Hos
- Ayurveda Hospit
- Teaching Hospit
- District Hospit
- Area Hospitals
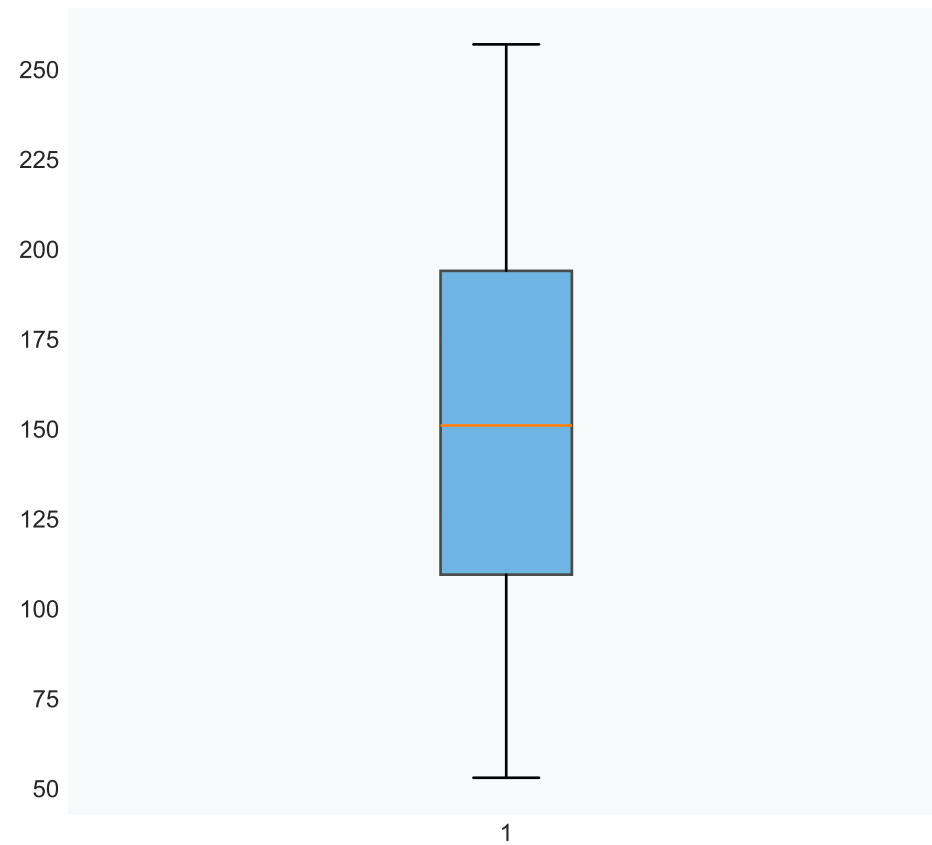- Community Healt
- Primary Health
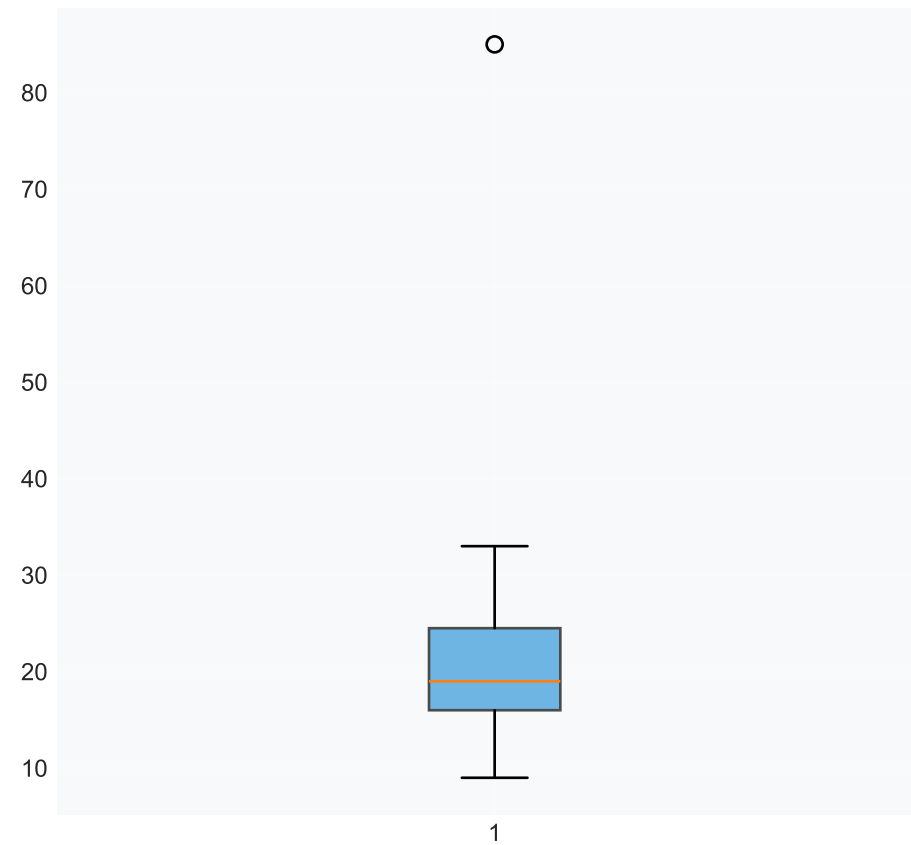- Health Sub-Cent

Quality Score (0–100)
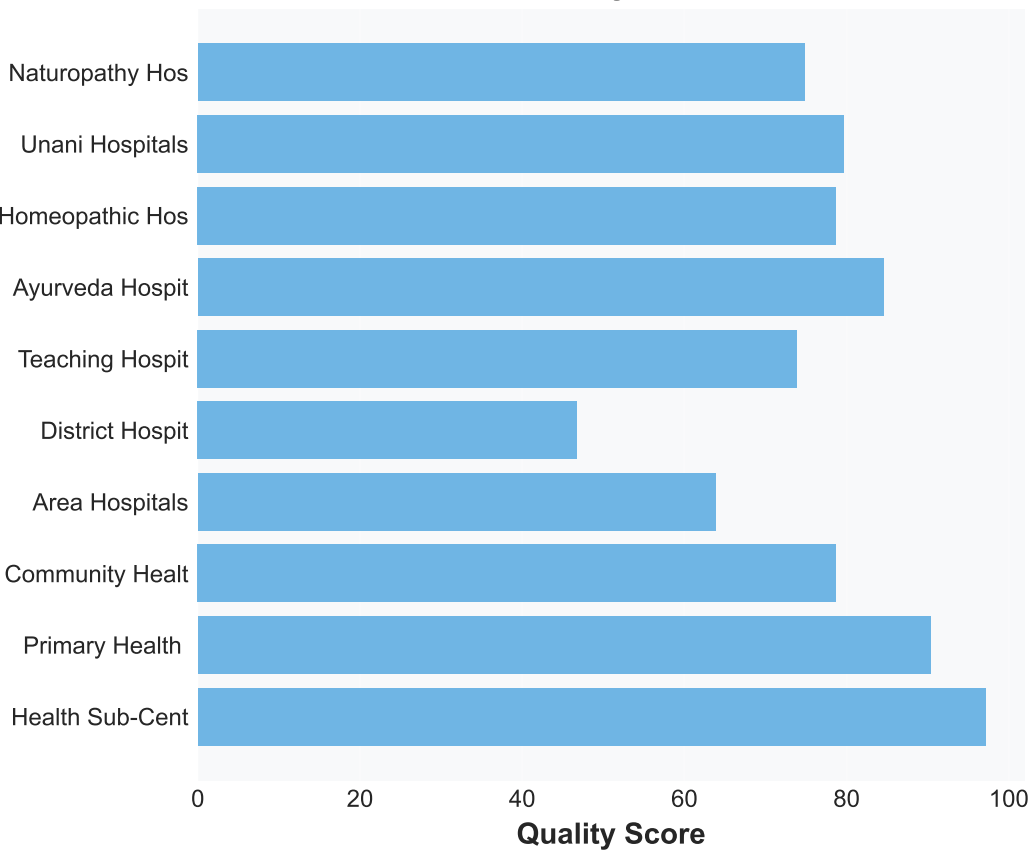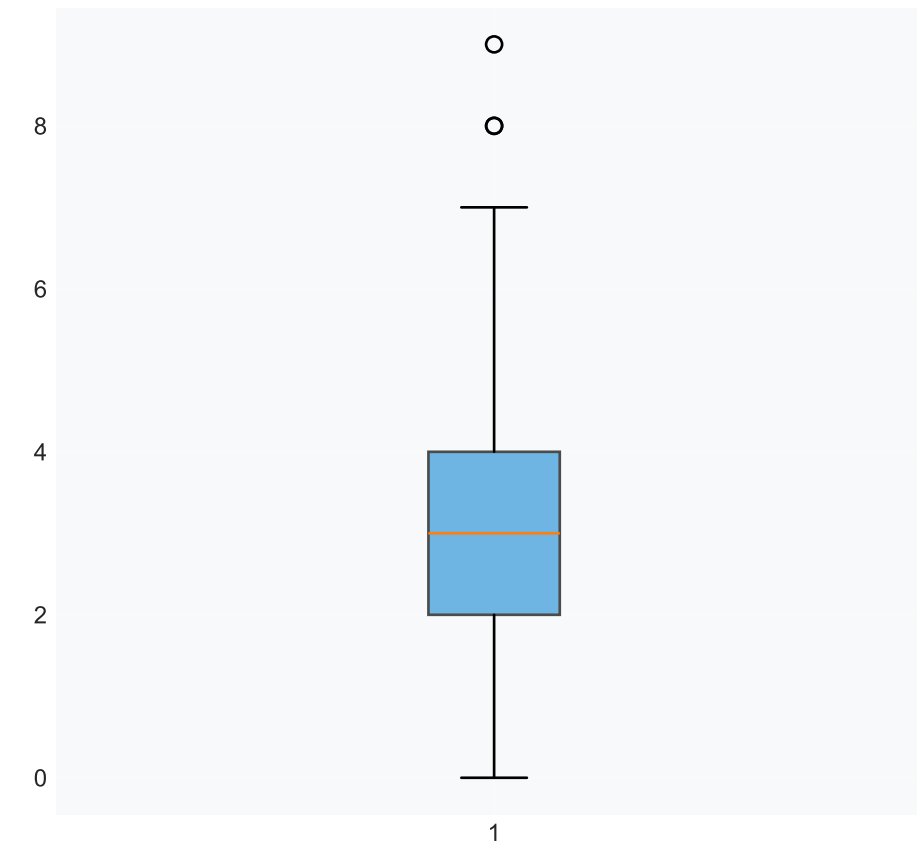
ANOMALY DETECTION & OUTLIER ANALYSIS
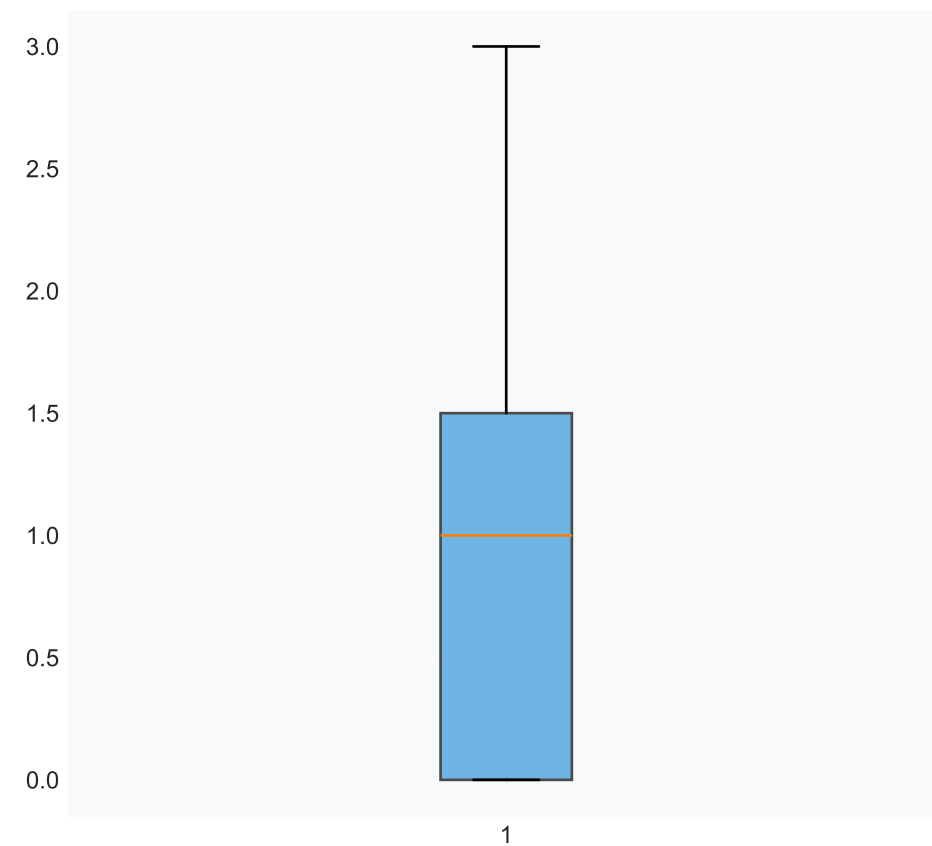

Health Sub-Centres
0.0% outliers

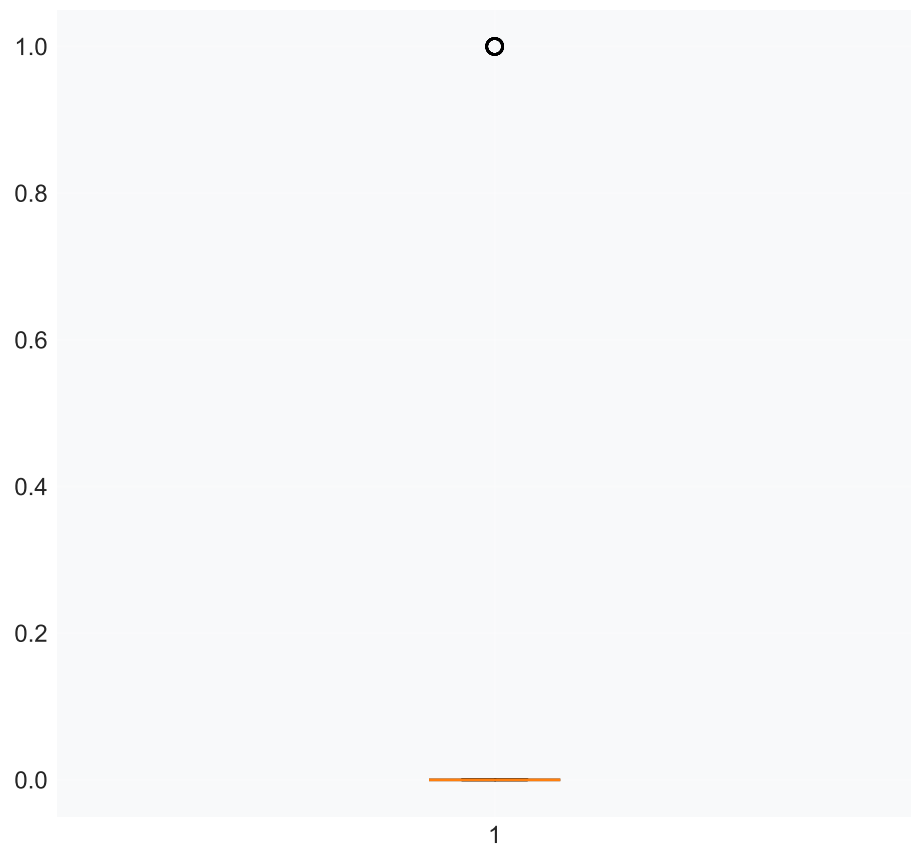Primary Health Centres
3.2% outliers

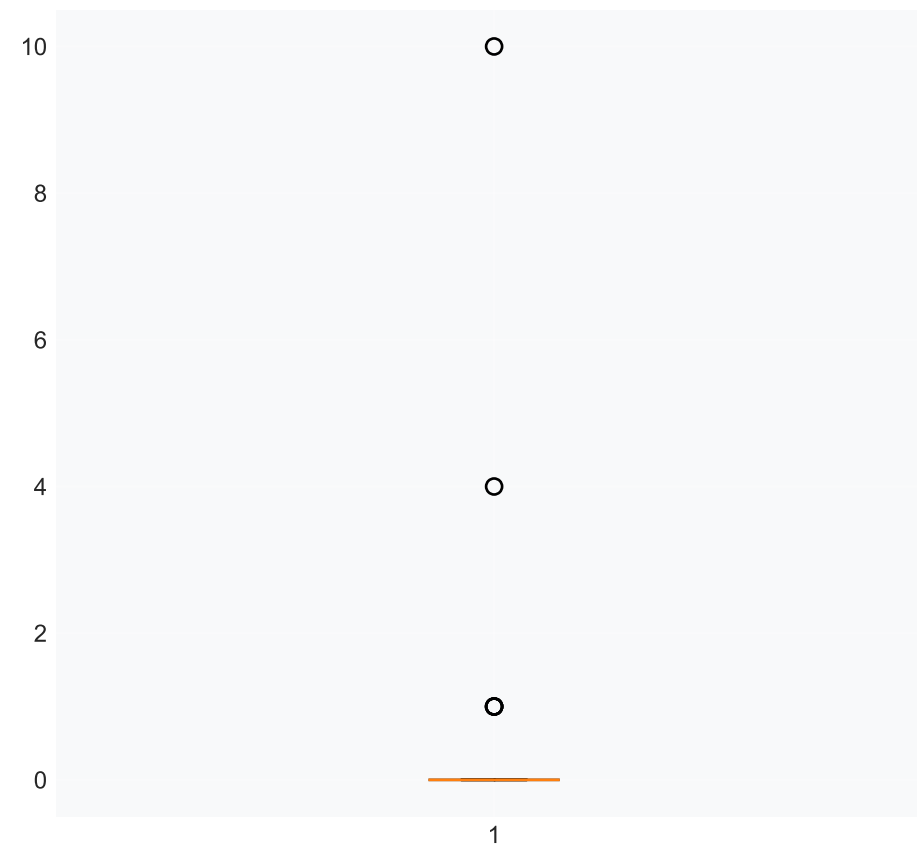Community Health Centres
9.7% outliers

Area Hospitals
0.0% outliers

District Hospitals
19.4% outliers

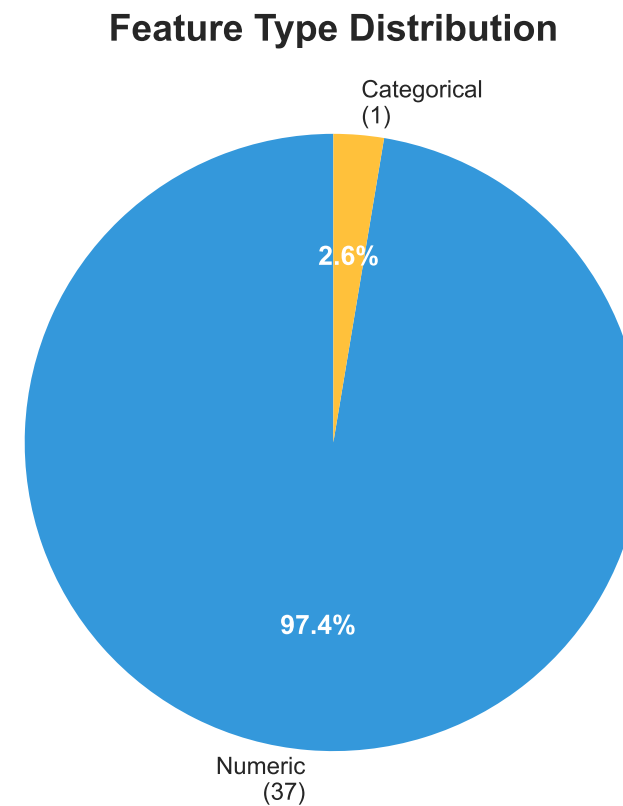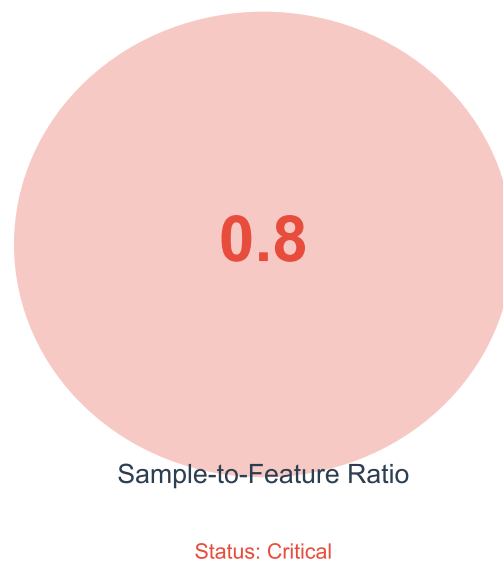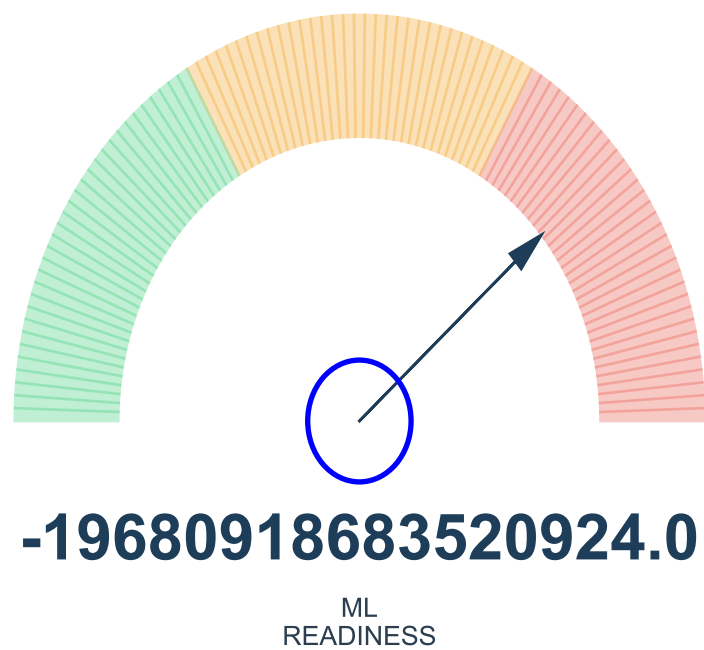Teaching Hospitals
19.4% outliers

TEMPORAL PATTERNS & TRENDS

No temporal patterns detected in dataset

MACHINE LEARNING READINESS ASSESSMENT

Feature Type Distribution

ML READINESS: -19680918683520924.0

Sample-to-Feature Ratio: 0.8

Status: Critical

Categorical (1): 2.6%

Numeric (37): 97.4%

Recommended ML Algorithms

SVM — 75% - Good for classification

Logistic Regression — 78% - Baseline model

Suitability Score (%)