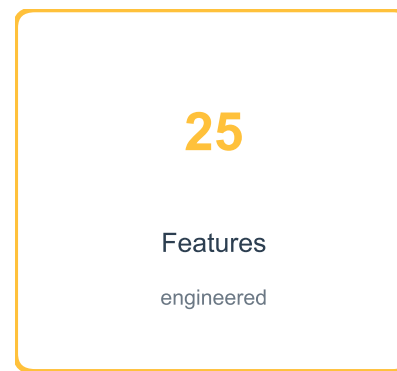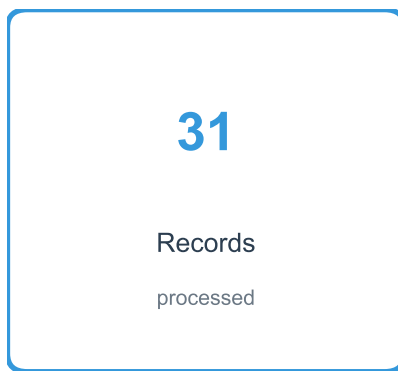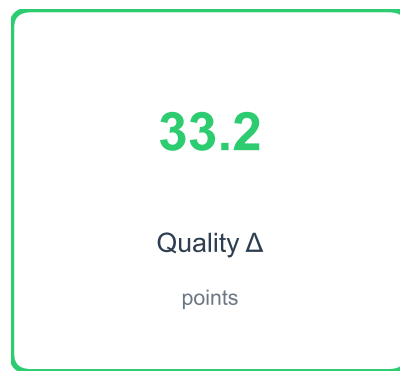# RTGS DATA INTELLIGENCE DASHBOARD

Executive Analytics Overview | Real-Time Gross Settlement System

83.2
QUALITY SCORE

33.2	31	25	100.0%
Quality Δ	Records	Features	Data
points	processed	engineered	completeness
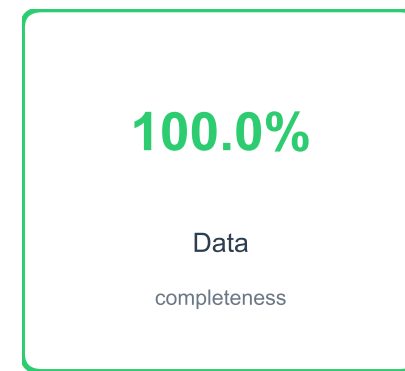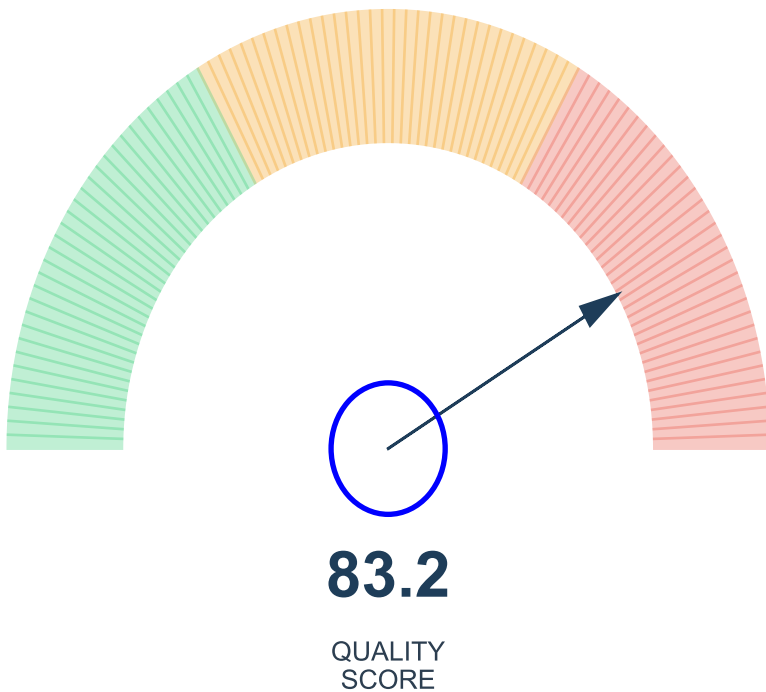
Data Processing Pipeline

Raw Data → Cleaned → Transformed → Validated → Production

Quality Improvement Trajectory

- Initial: 50.0
- Cleaning: 60.0
- Transformation: 69.9
- Validation: 78.2
- Final: 83.2
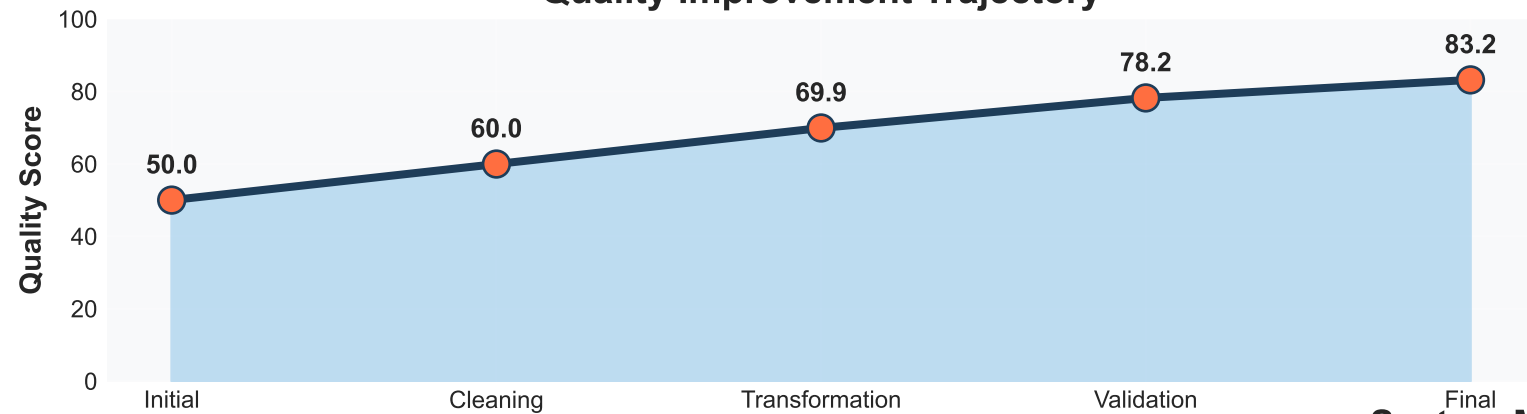
Dataset Profile Comparison

Legend: Original, Processed

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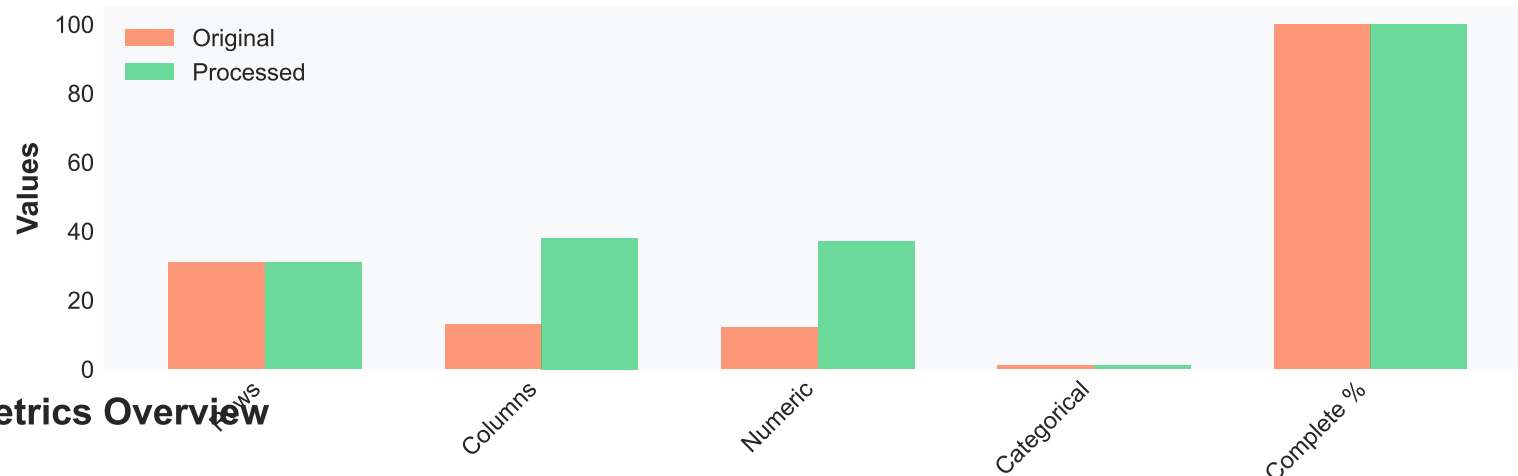
System Metrics Overview

Risk Assessment Matrix

- Scalability
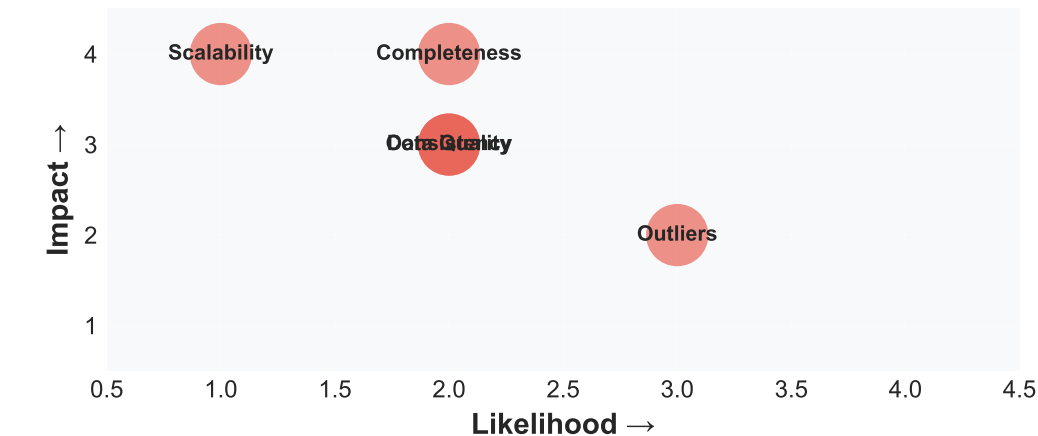- Completeness
- Data Quality
- Outliers

X-axis: Likelihood →
Y-axis: Impact →

DATASET METRICS SUMMARY

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

Quality Status: Production Ready
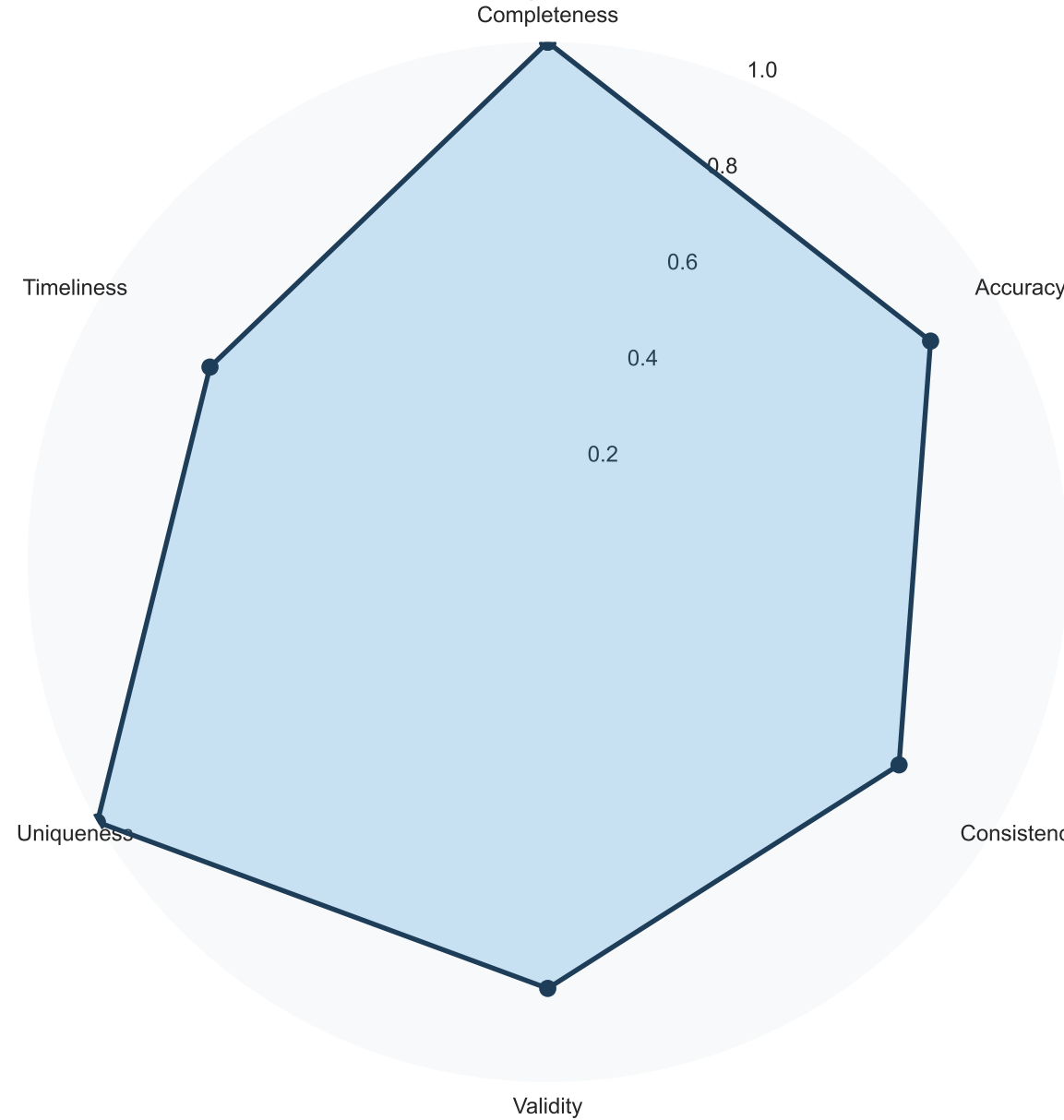ML Readiness: -19680918683520924%

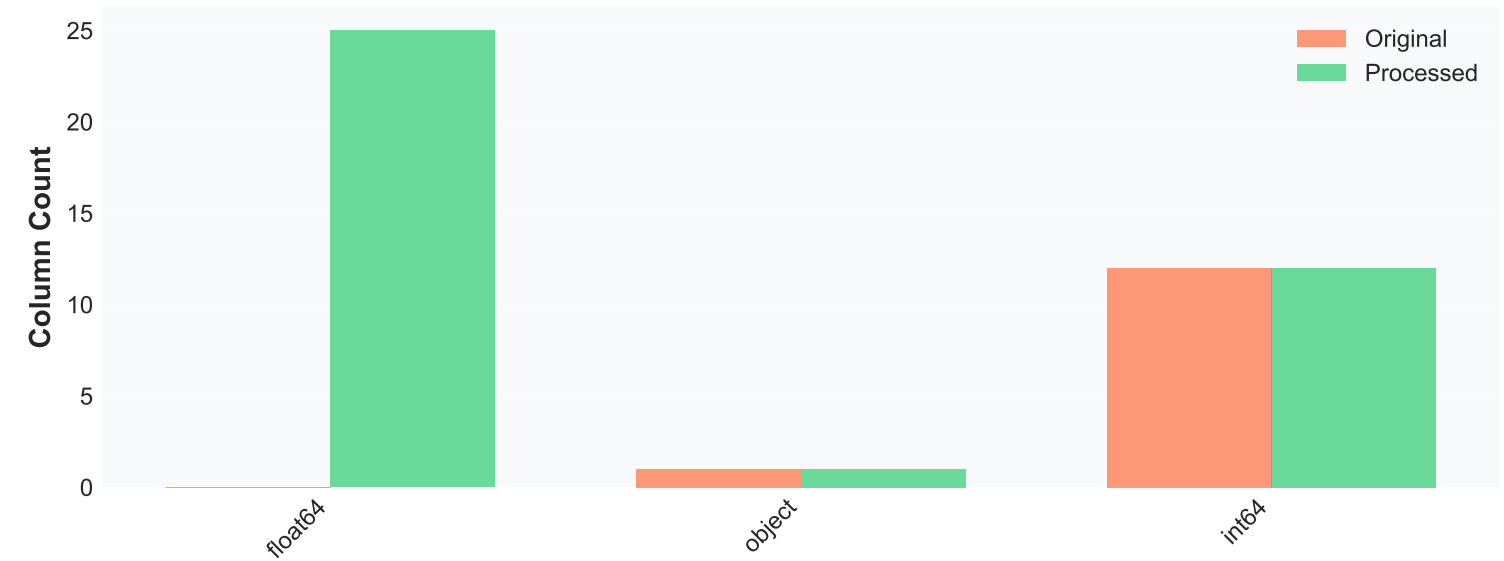## RECOMMENDED NEXT ACTIONS

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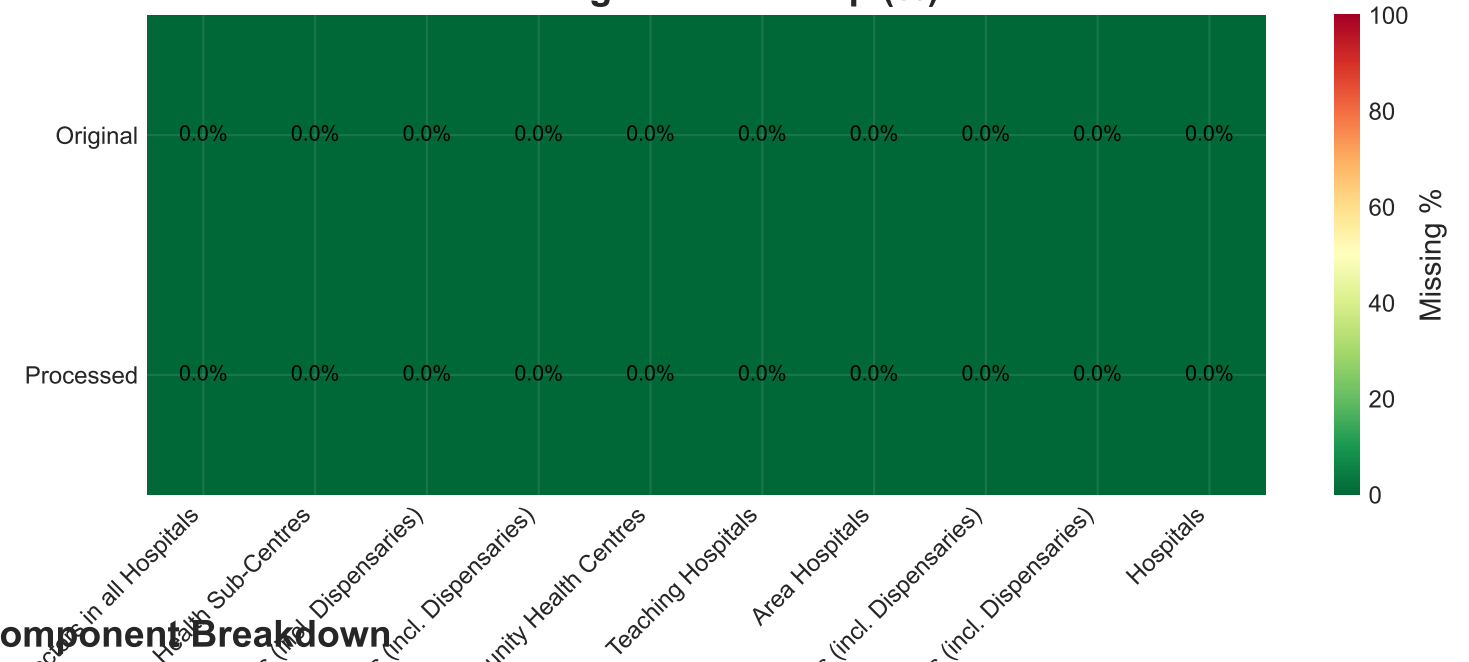5. Document transformation rules
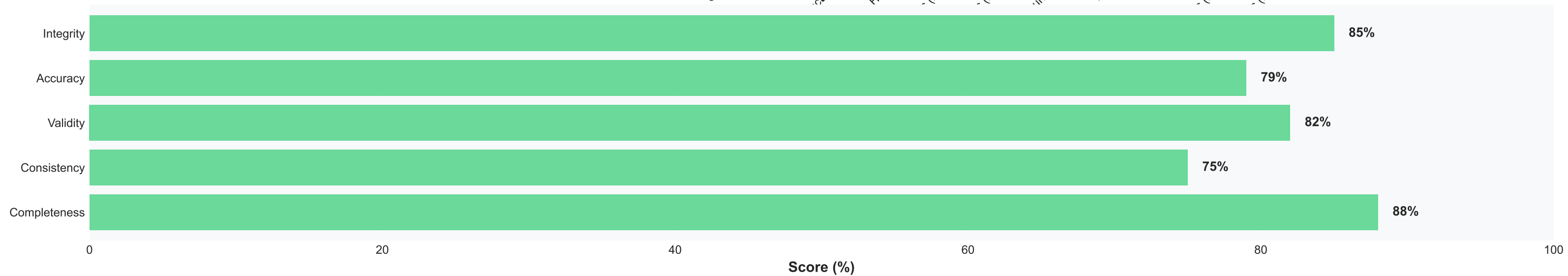
DATA QUALITY SCORECARD
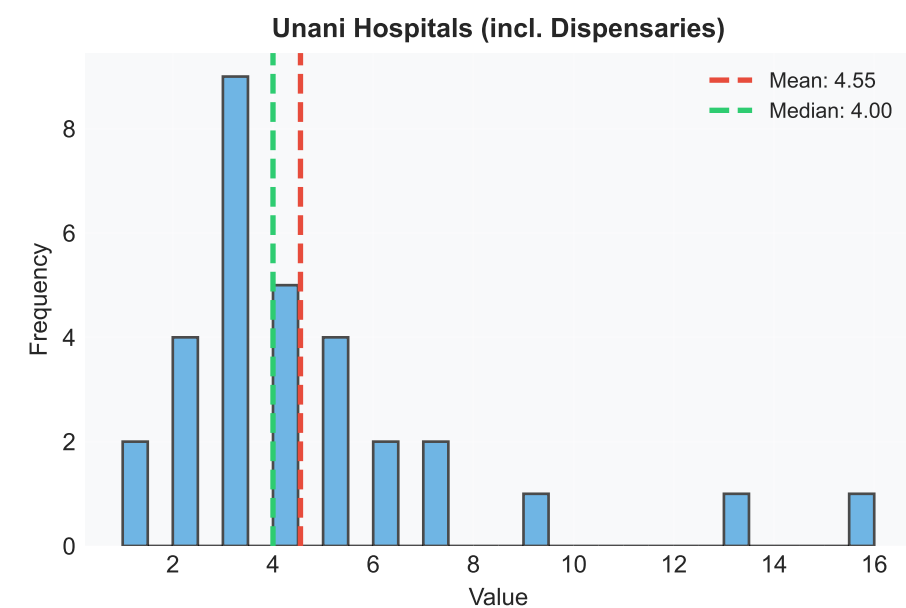
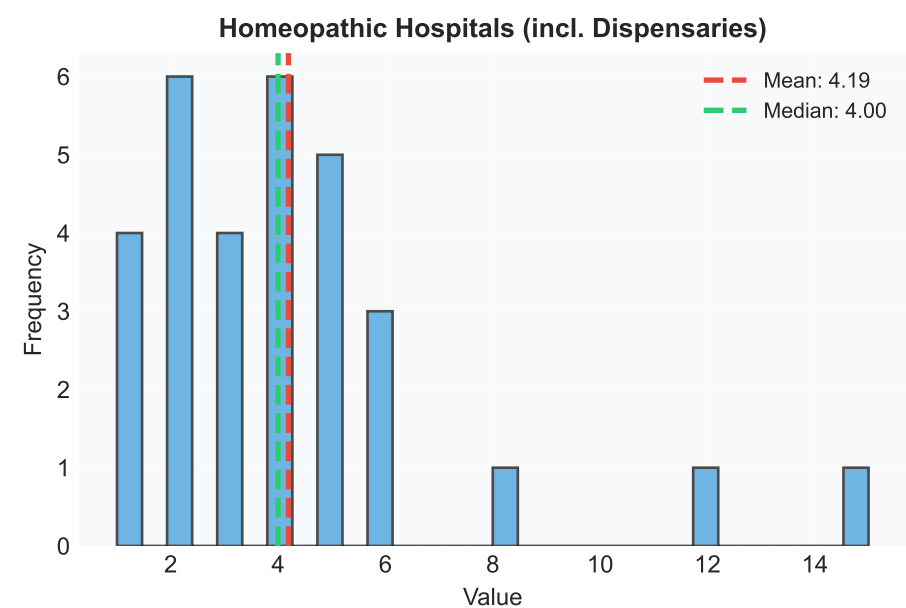## Data Quality Dimensions

Data Type Evolution

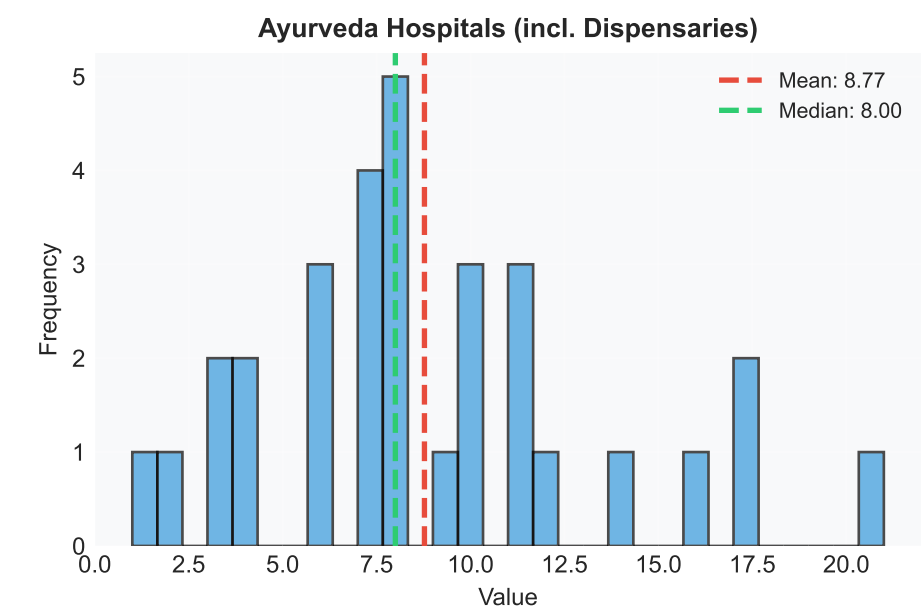## Missing Data Heatmap (%)

	in all Hospitals	Health Sub-Centres	(incl. Dispensaries)	(incl. Dispensaries)	unity Health Centres	Teaching Hospitals	Area Hospitals	(incl. Dispensaries)	(incl. Dispensaries)	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

Health Sub-Centres
- Mean: 154.74
- Median: 151.00

Primary Health Centres
- Mean: 22.03
- Median: 19.00

Community Health Centres
- Mean: 3.16
- Median: 3.00

Area Hospitals
- Mean: 1.00
- Median: 1.00

District Hospitals
- Mean: 0.19
- Median: 0.00

Teaching Hospitals
- Mean: 0.58
- Median: 0.00

Ayurveda Hospitals (incl. Dispensaries)
- Mean: 8.77
- Median: 8.00

Homeopathic Hospitals (incl. Dispensaries)
- Mean: 4.19
- Median: 4.00

Unani Hospitals (incl. Dispensaries)
- Mean: 4.55
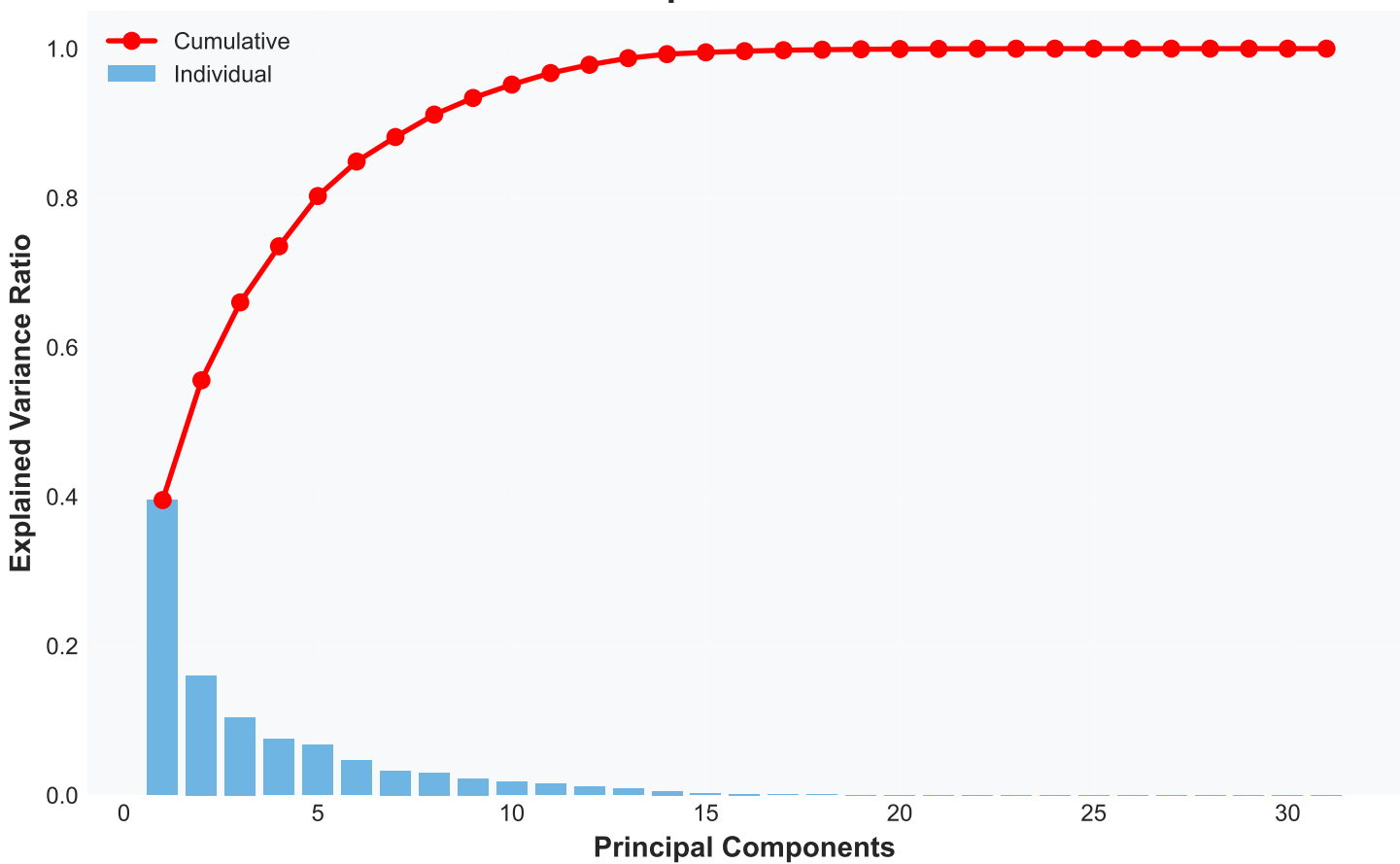- Median: 4.00

CORRELATION & PATTERN DISCOVERY

Correlation Matrix

PCA Explained Variance
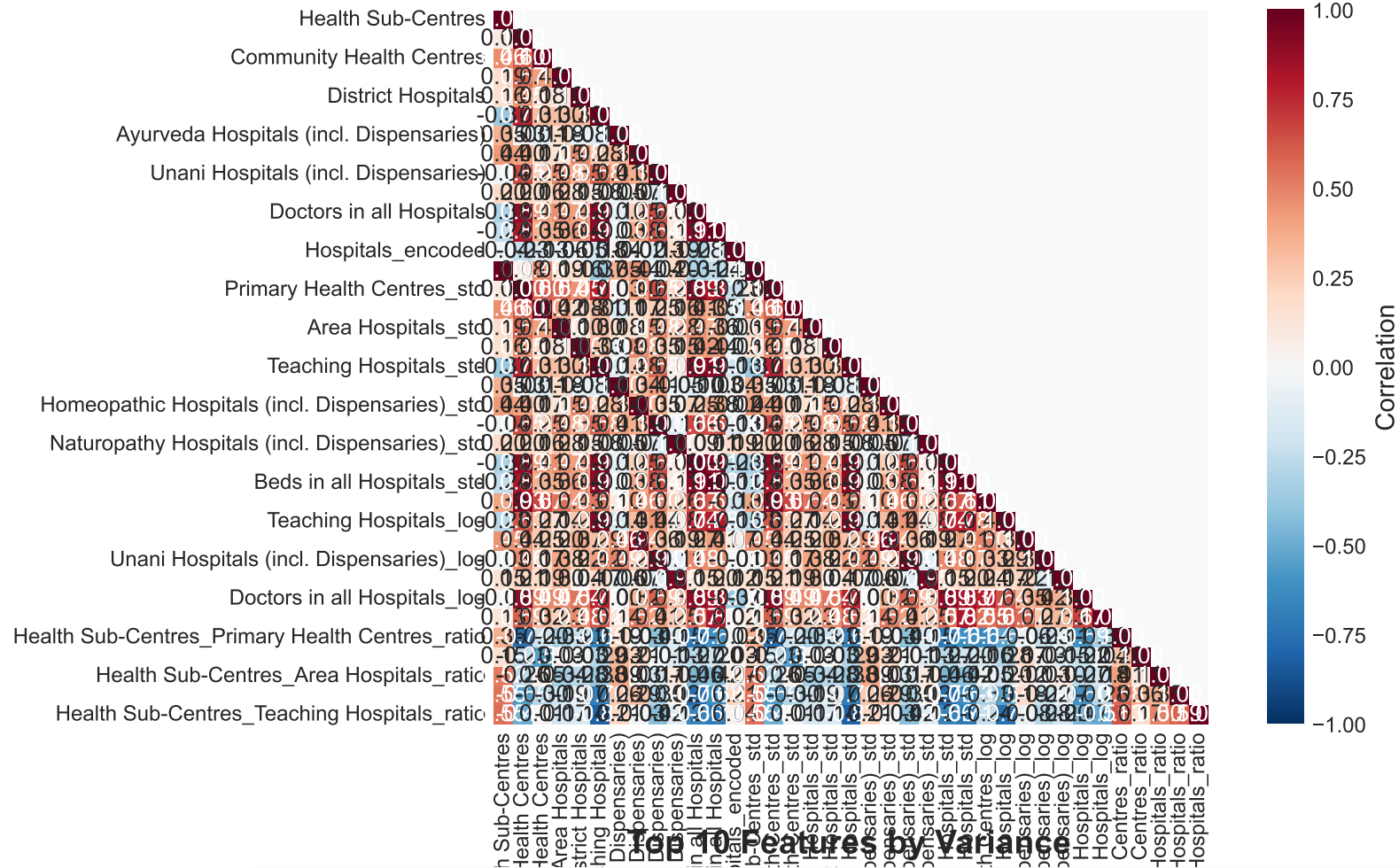
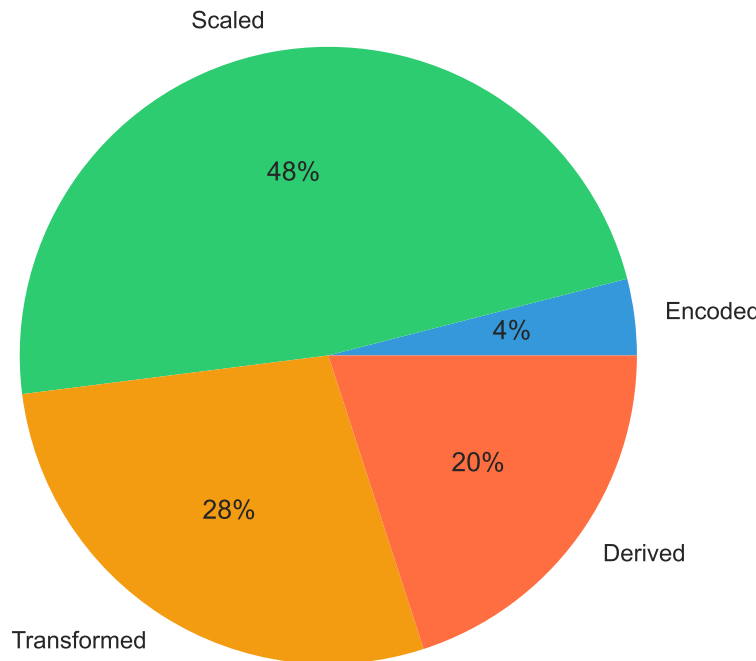## Top 10 Features by Variance

Data Distribution (Clustering Potential)
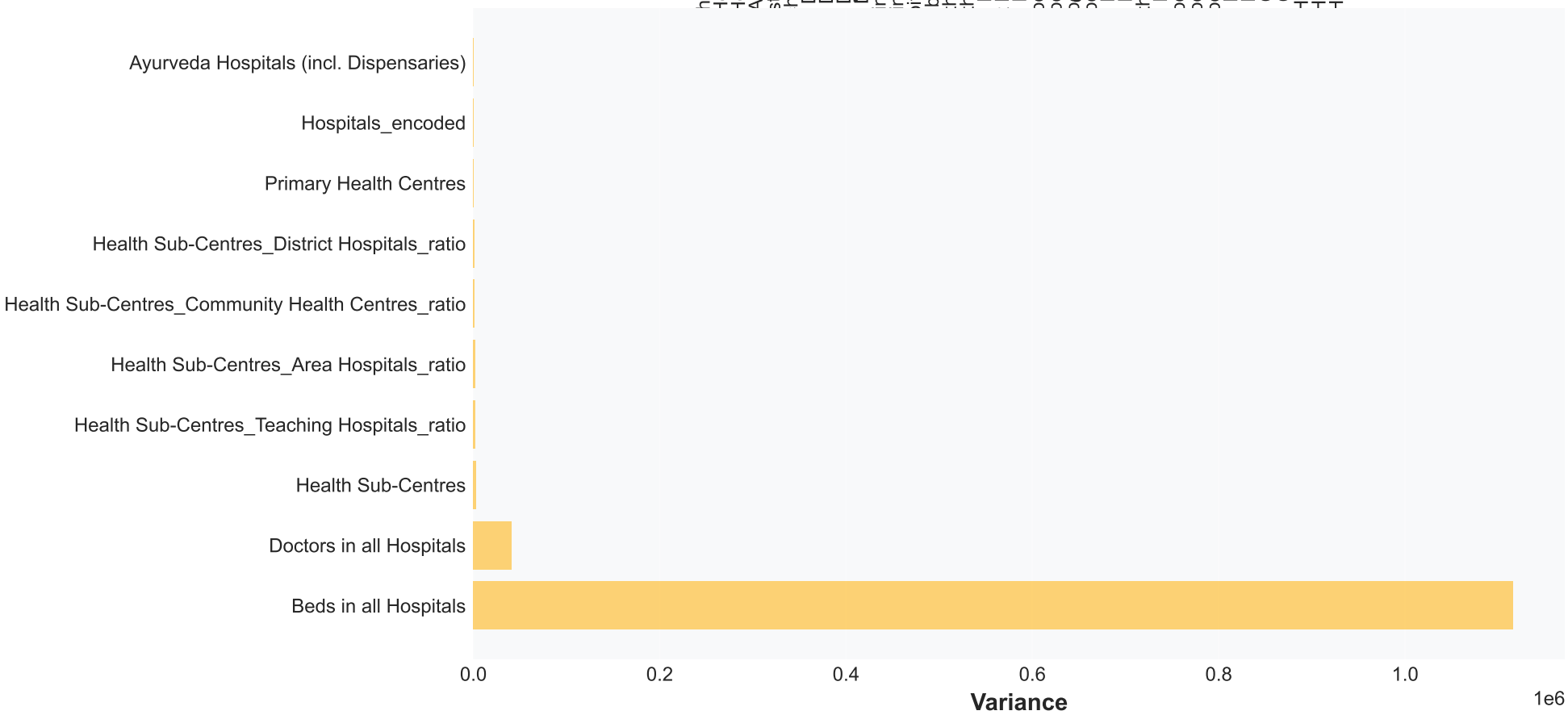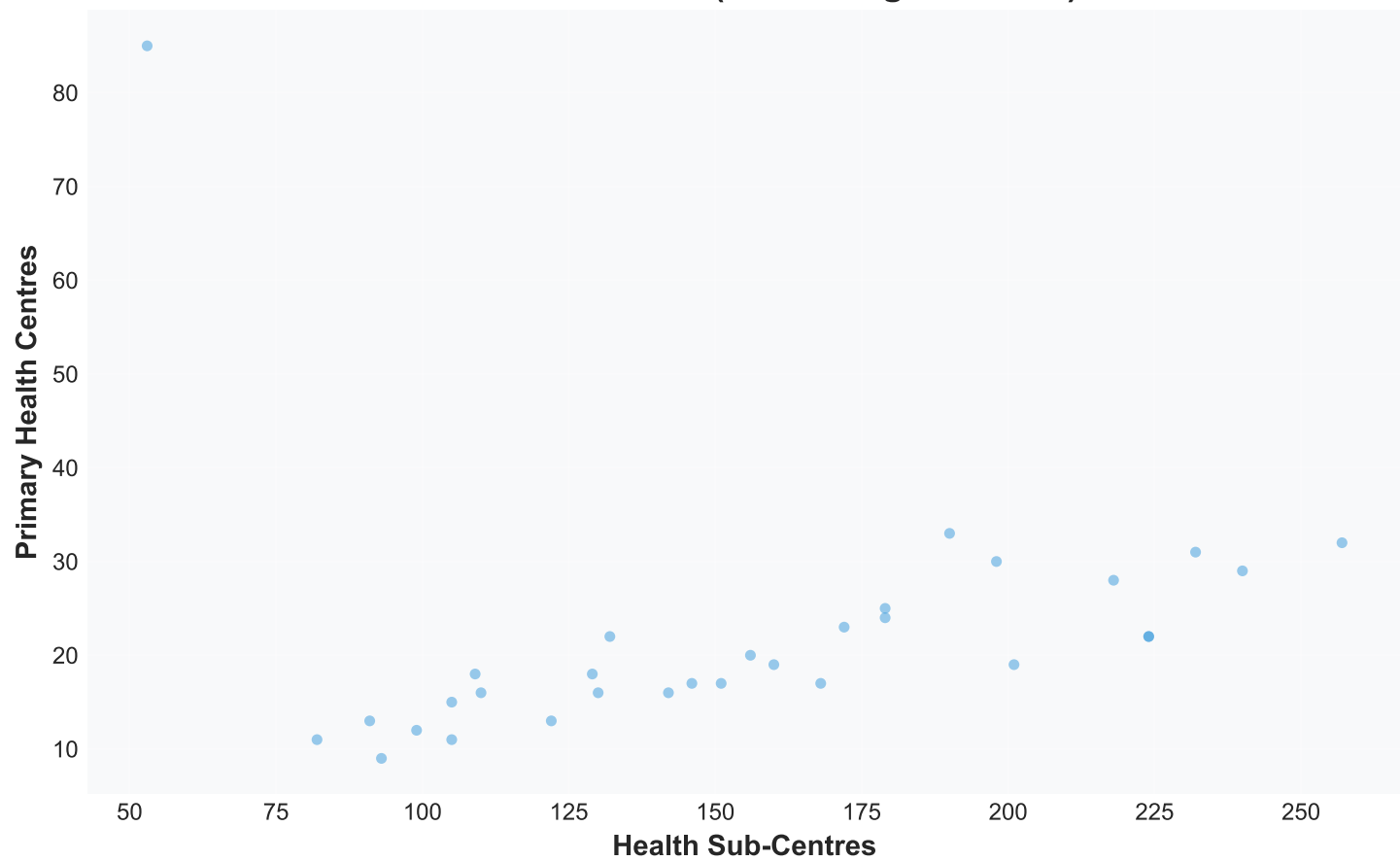
FEATURE ENGINEERING IMPACT ANALYSIS

Feature Engineering Summary (25 new features)

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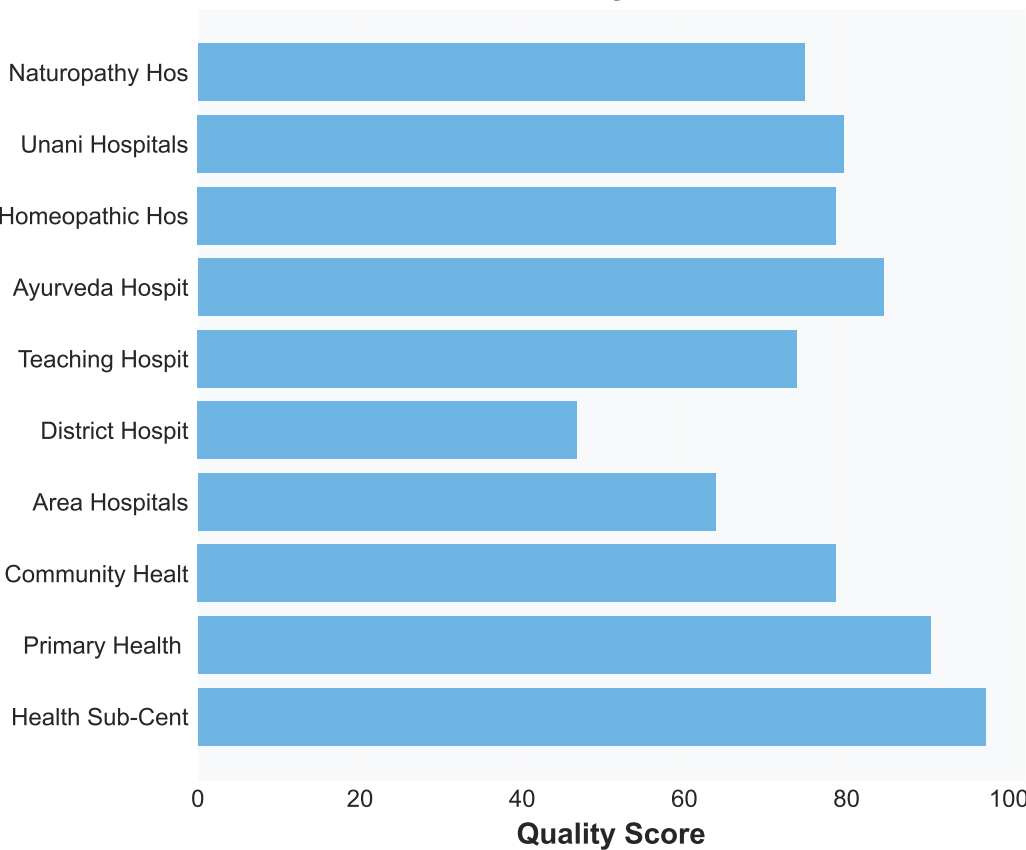Encoded 4%
Derived 20%
Transformed 28%

Information Gain Analysis

188
64

Original   Processed
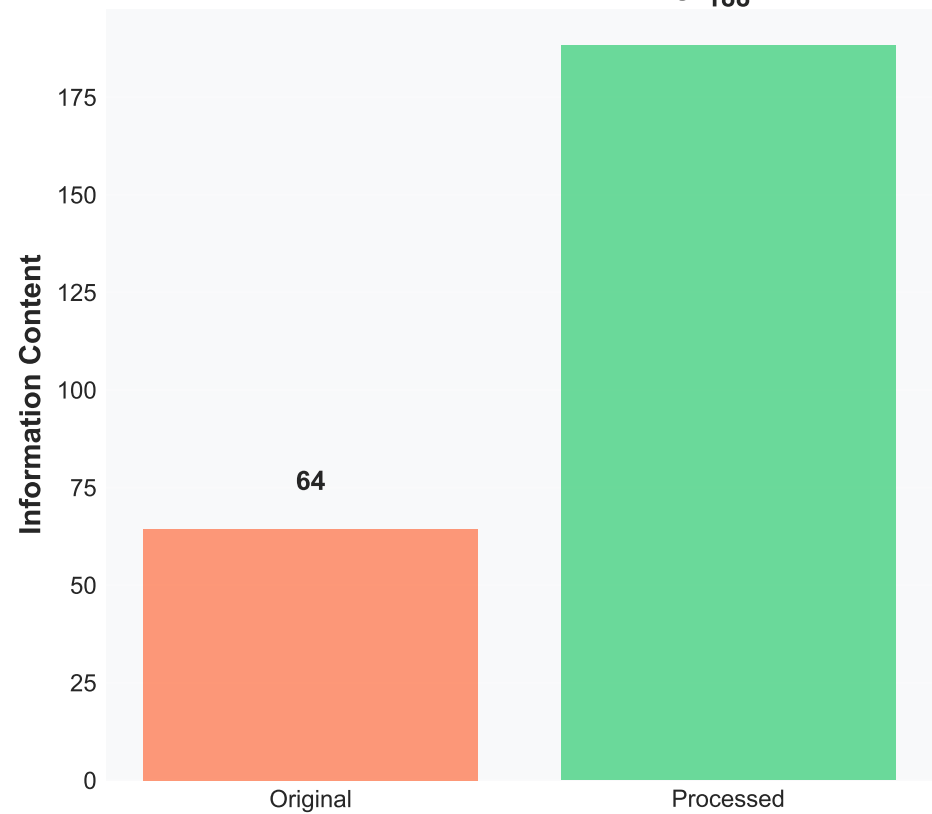
Dimensionality Changes

Original
Processed

Features   Numeric   Categorical
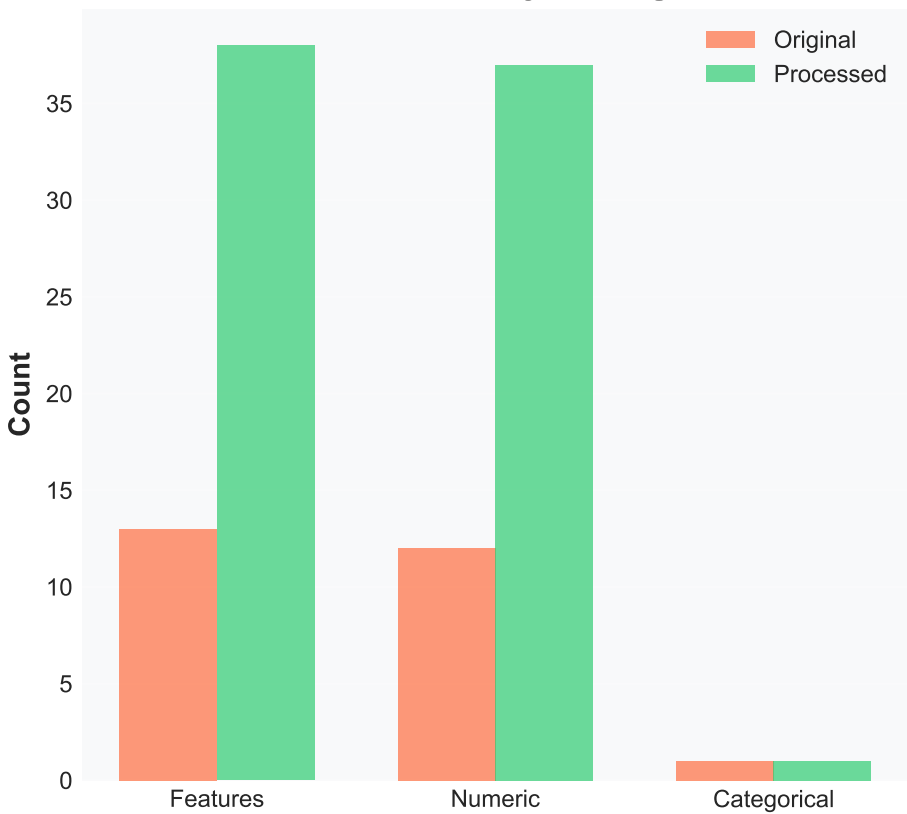
Feature Quality Assessment

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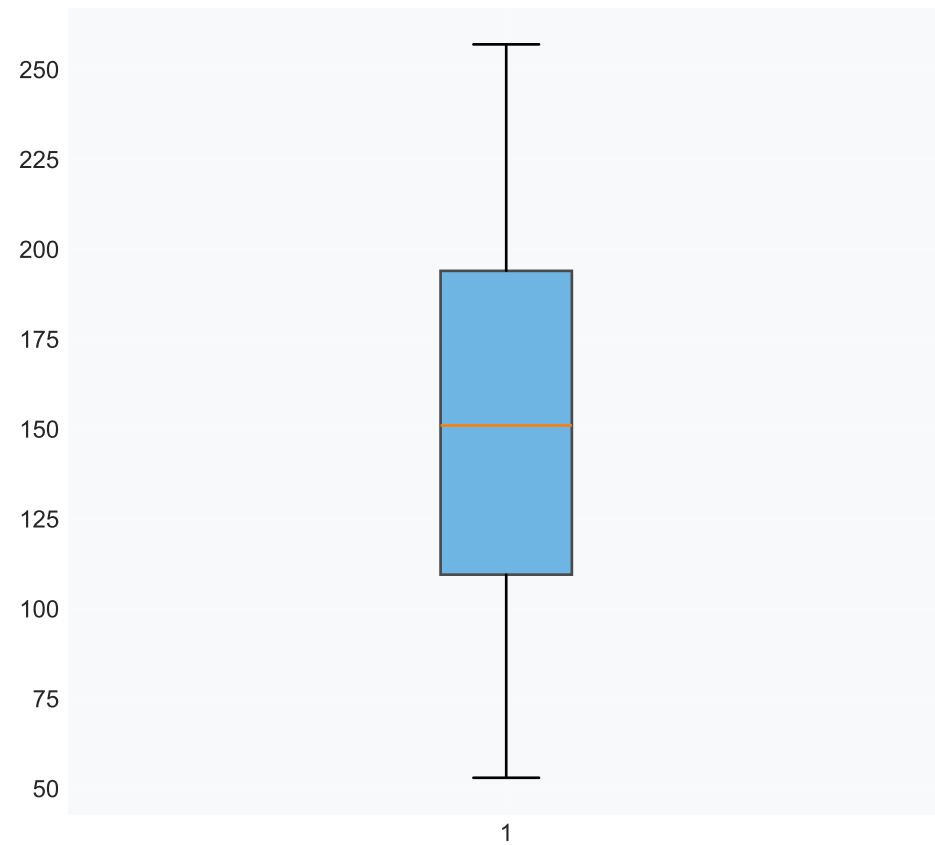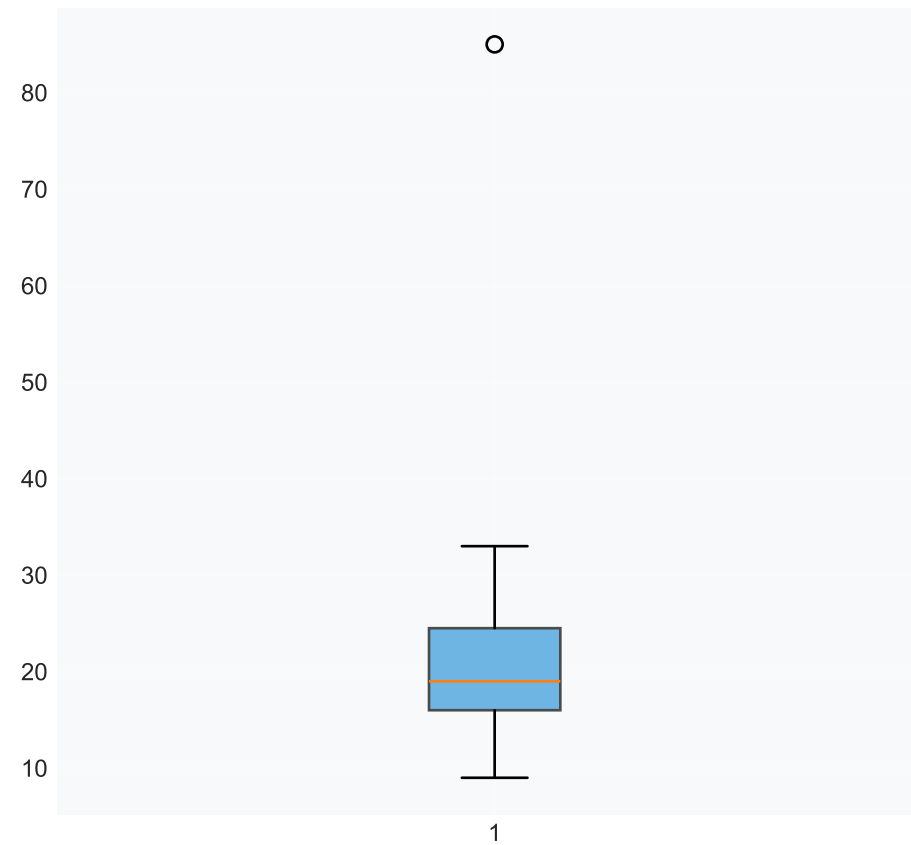
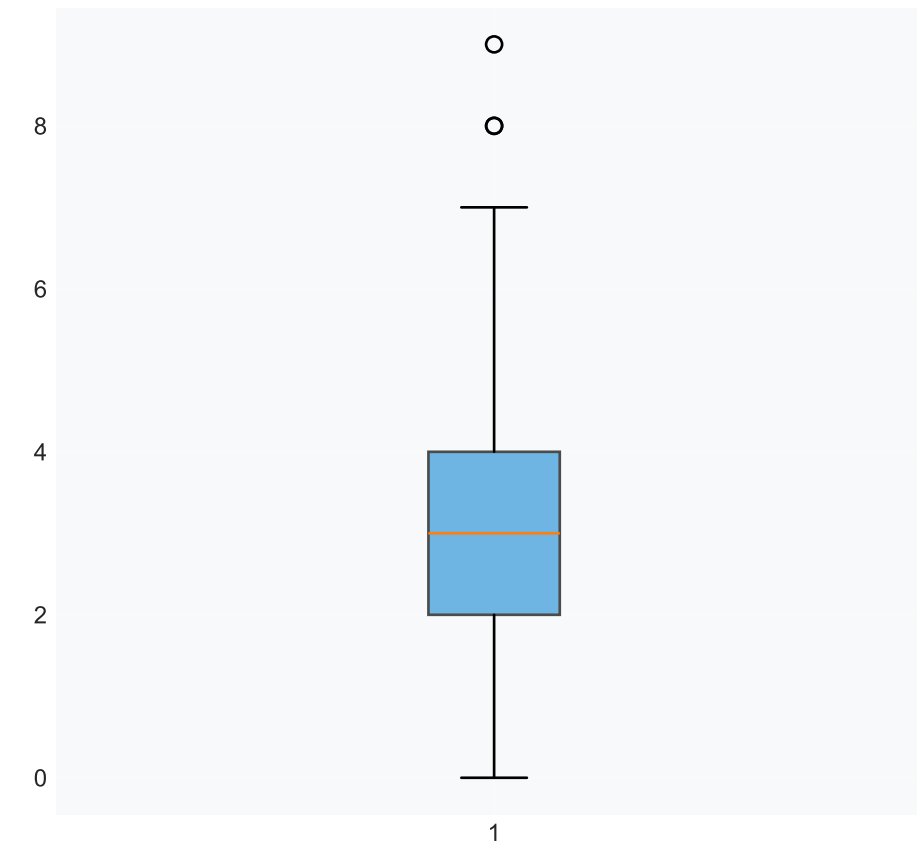Quality Score

ANOMALY DETECTION & OUTLIER ANALYSIS

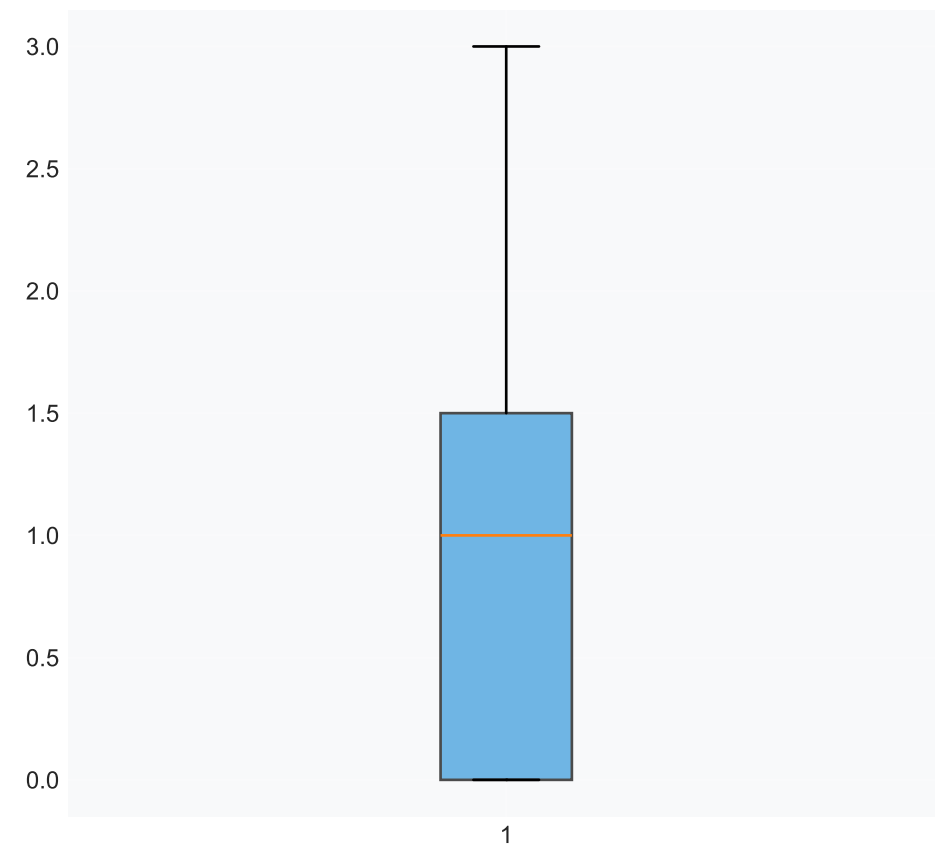**Health Sub-Centres**
0.0% outliers
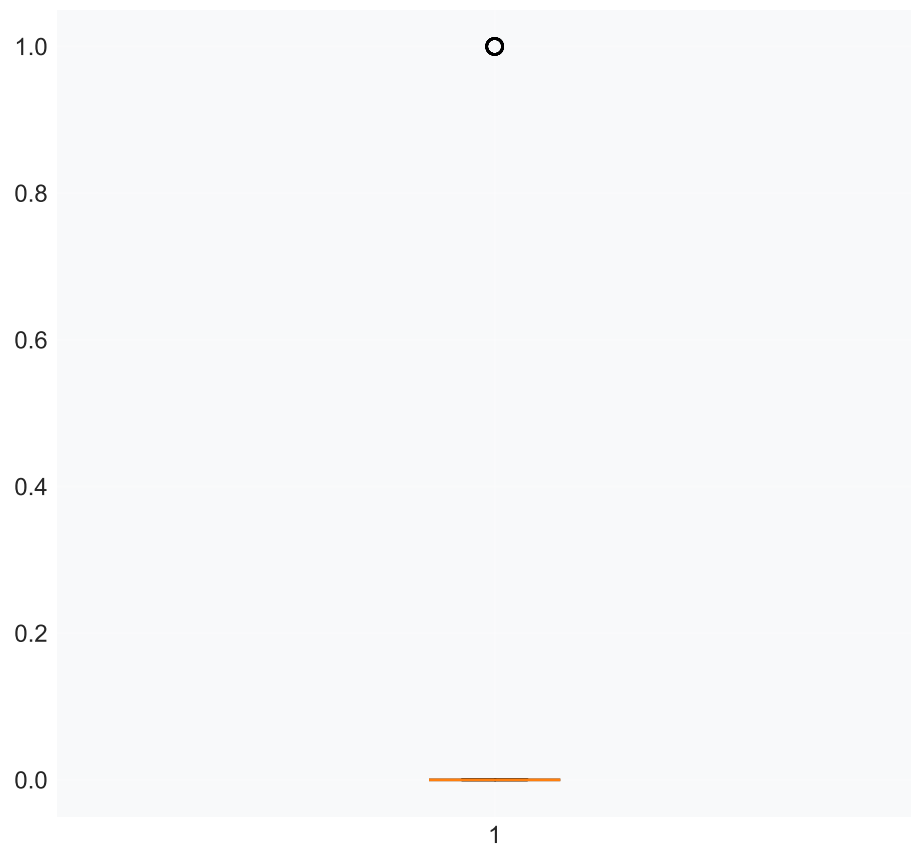
Primary Health Centres
3.2% outliers

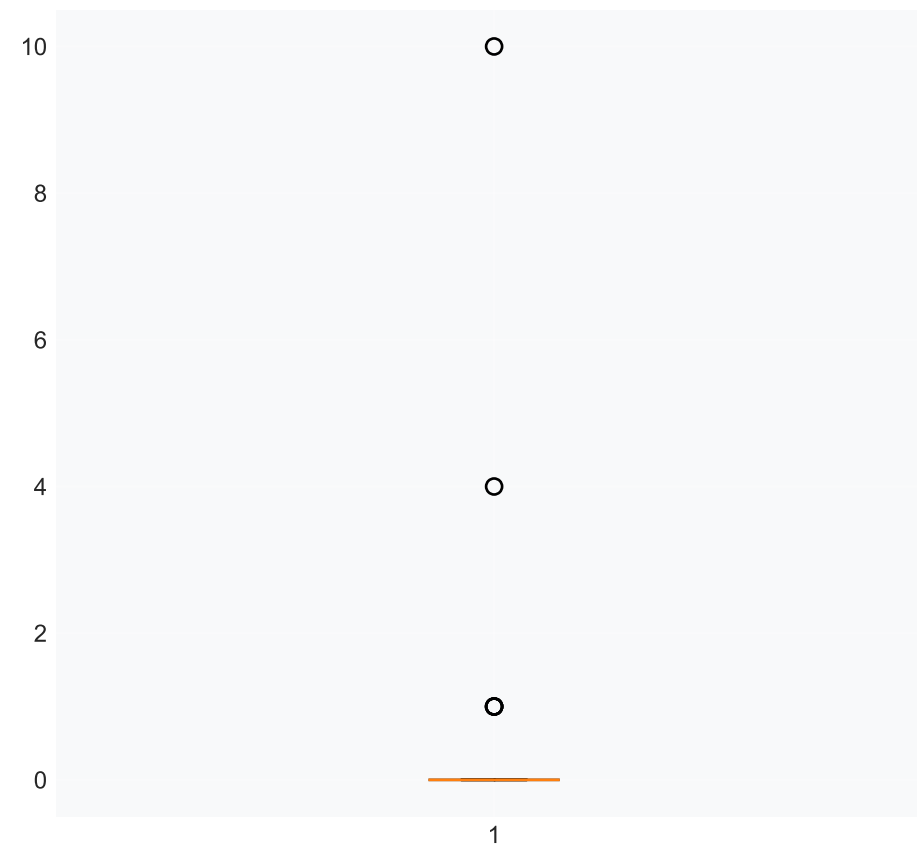**Community Health Centres**
9.7% outliers

Area Hospitals
0.0% outliers
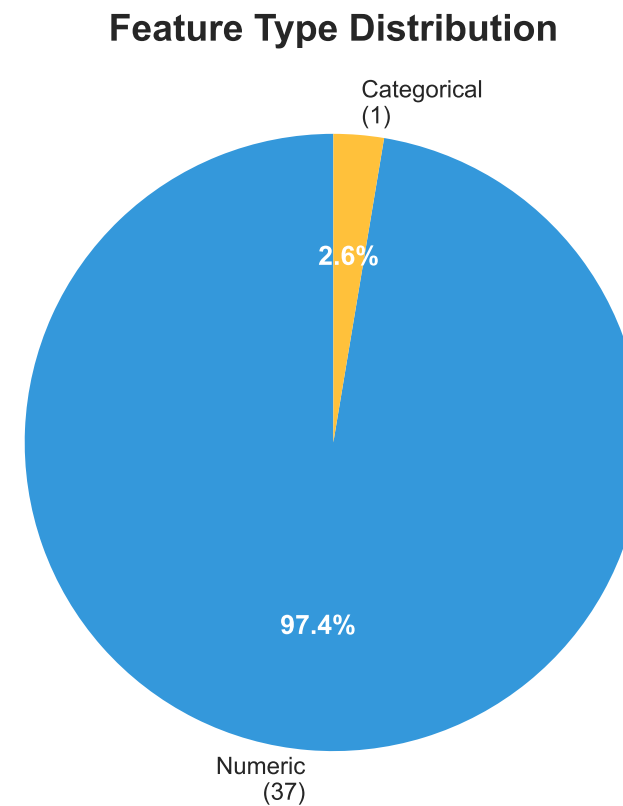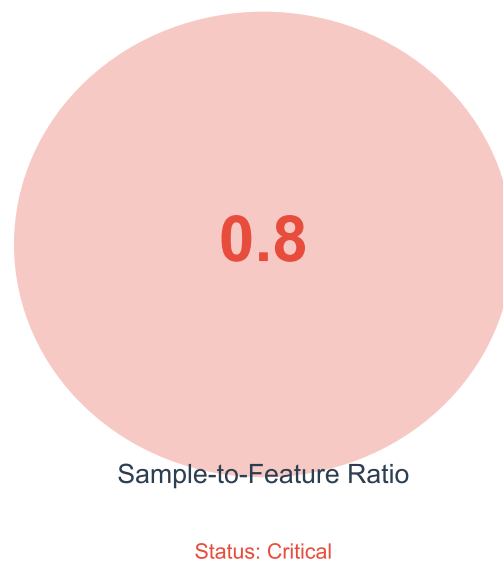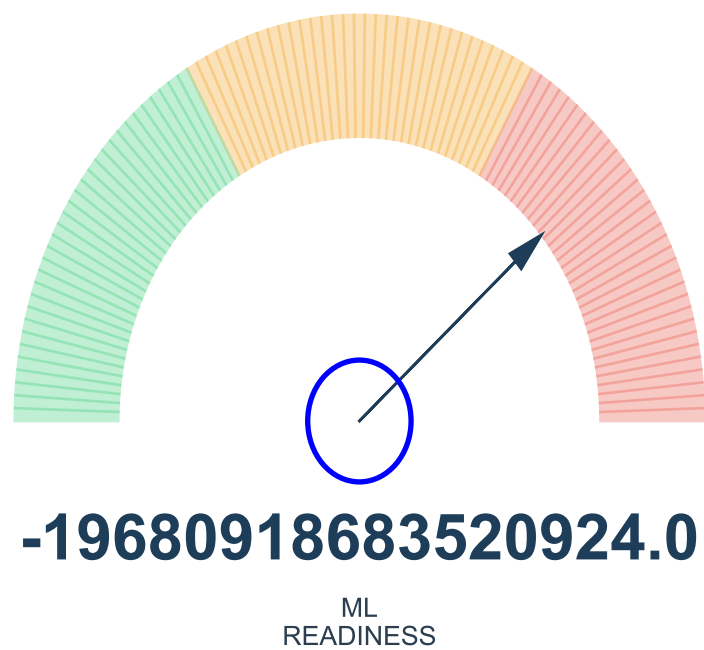
District Hospitals
19.4% outliers

Teaching Hospitals
19.4% outliers

TEMPORAL PATTERNS & TRENDS

No temporal patterns detected in dataset

MACHINE LEARNING READINESS ASSESSMENT

ML READINESS

-19680918683520924.0

ML
READINESS

Sample-to-Feature Ratio

0.8

Sample-to-Feature Ratio

Status: Critical

Feature Type Distribution

Categorical
(1)

2.6%

97.4%

Numeric
(37)

Recommended ML Algorithms

Algorithm	Suitability Score (%)	Description
SVM	75%	Good for classification
Logistic Regression	78%	Baseline model

Suitability Score (%)