■ DataScribe Analysis Report

Generated on: 2025-09-15 13:00:02

■ *Report Summary*

This report provides a comprehensive analysis of your dataset including data quality assessment, statistical summaries, and AI-powered insights.

■ Table of Contents

■ Dataset Overview

Dataset Metric	Value	Description
Total Rows	891	Number of data records
Total Columns	12	Number of features/variables
Memory Usage	0.28 MB	Storage space required
Numerical Features	7	Continuous/numeric variables
Categorical Features	5	Text/category variables
Datetime Features	0	Date/time variables

■ *Dataset Insights*

• Compact dataset - consider data augmentation for complex models
• Balanced feature set for comprehensive analysis

■ Data Quality Assessment

Quality Metric	Value	Status
Overall Quality Score	83.8%	Excellent
Missing Values	866	■
Duplicate Rows	0	✓
Constant Columns	0	✓

■ *Quality Insights*

• Your dataset has excellent data quality!
• Consider handling 866 missing values

■ Statistical Summary

Column	Count	Mean	Std	Min	25%	50%	75%	Max
numerical	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
categorical	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

■ *Summary Statistics*

• Total numerical columns analyzed: 2
• Data points per column: N/A

■ Visualizations
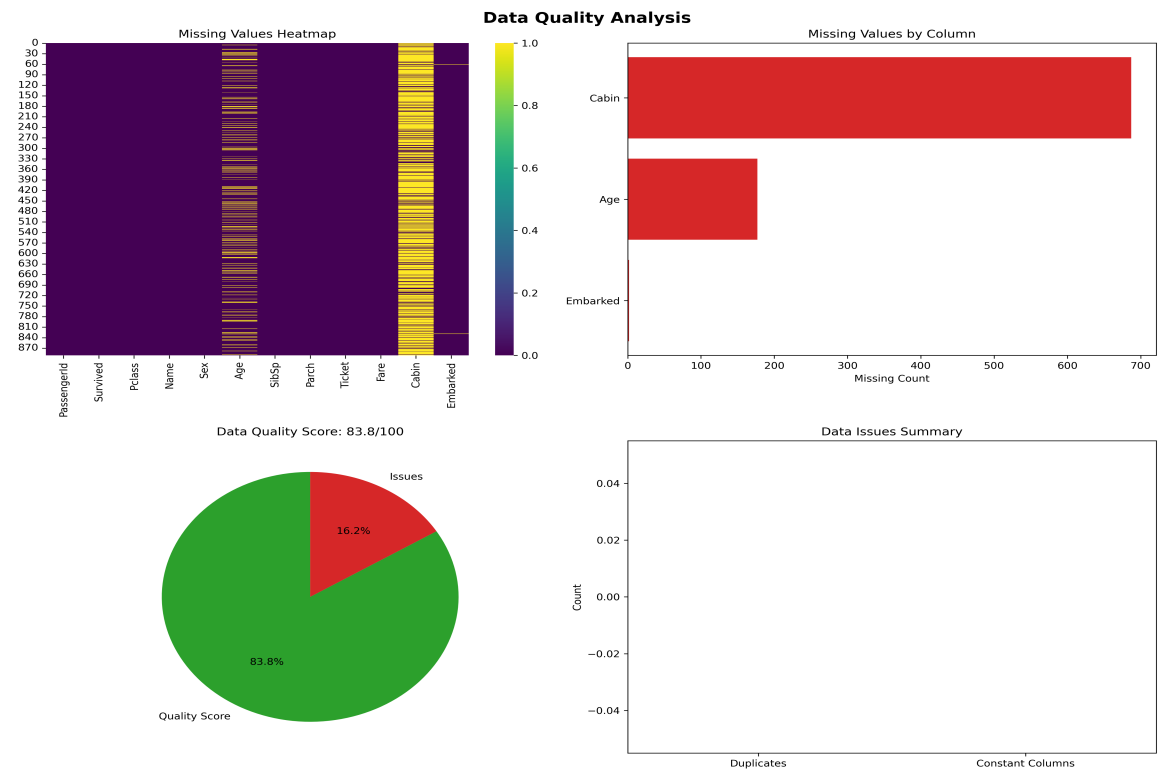
■ *Generated Visualizations*

1. Overview
2. Data Quality
3. Univariate
4. Bivariate
5. Multivariate

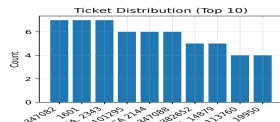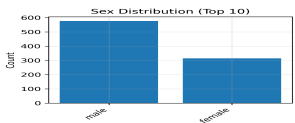Below are the detailed visualizations for each analysis type:

■ *Overview*
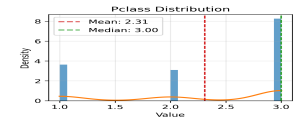
■ *Data Quality*

Data Quality Analysis

Missing Values Heatmap

Missing Values by Column

Data Quality Score: 83.8/100

Data Issues Summary
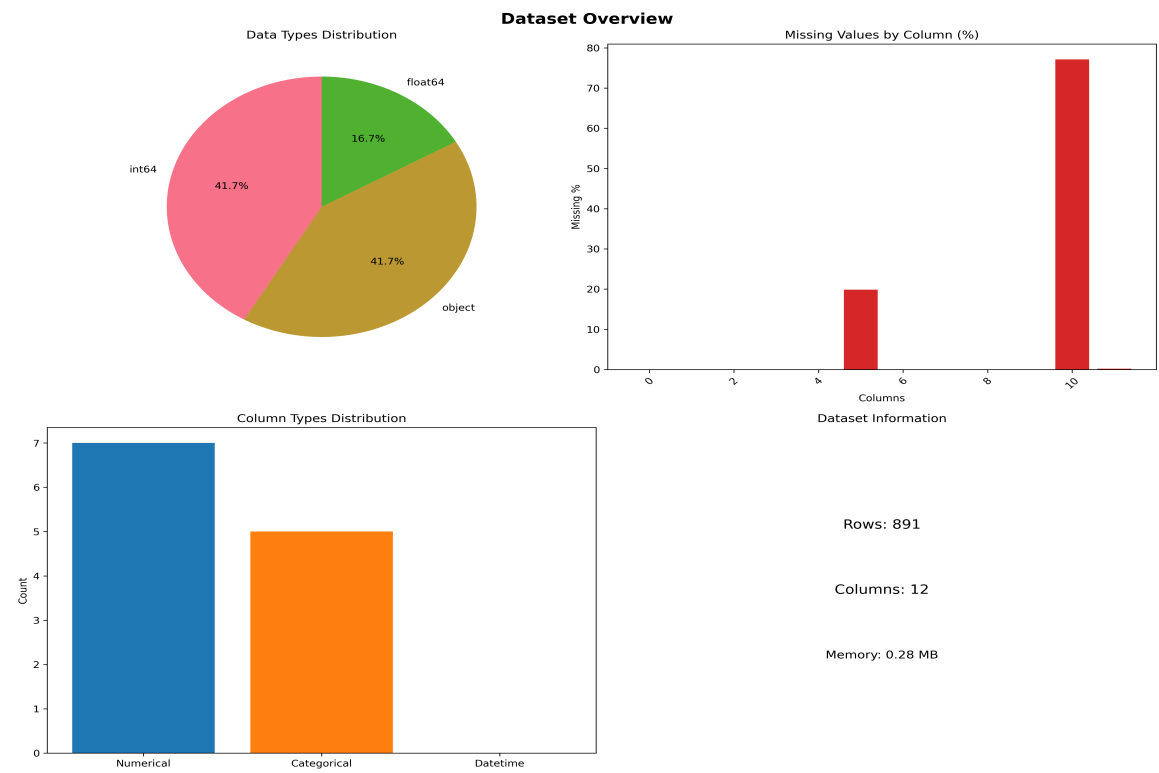
■ *Univariate*

Univariate Analysis
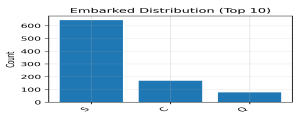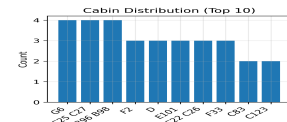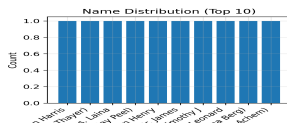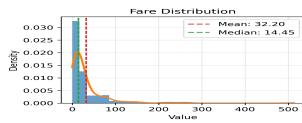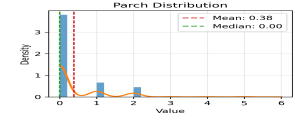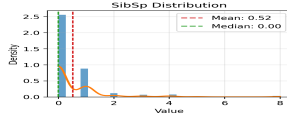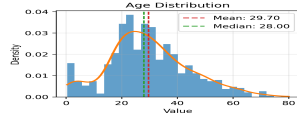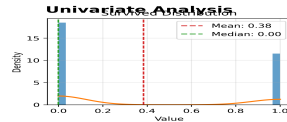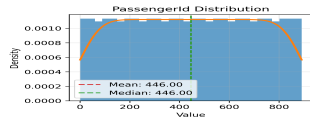
■ *Bivariate*

Correlation Analysis

Correlation Matrix

Top High Correlations

No High Correlations
(threshold: 0.7)
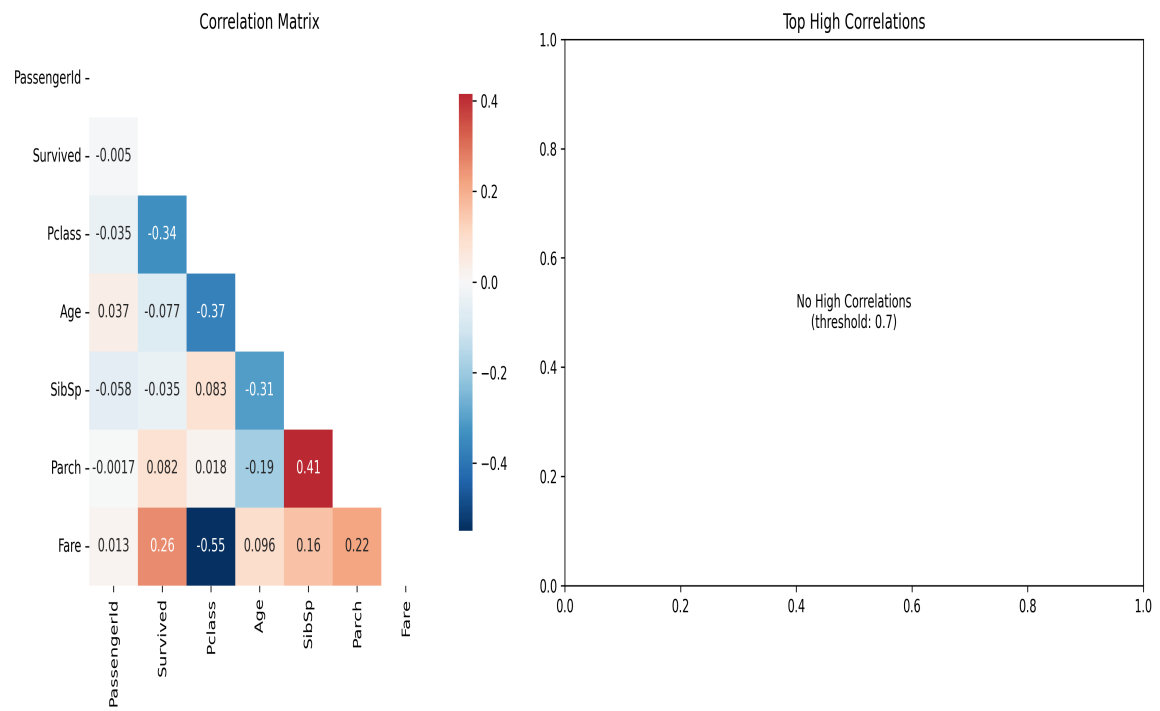
■ *Multivariate*

Principal Component Analysis

Explained Variance by Component

Cumulative Explained Variance
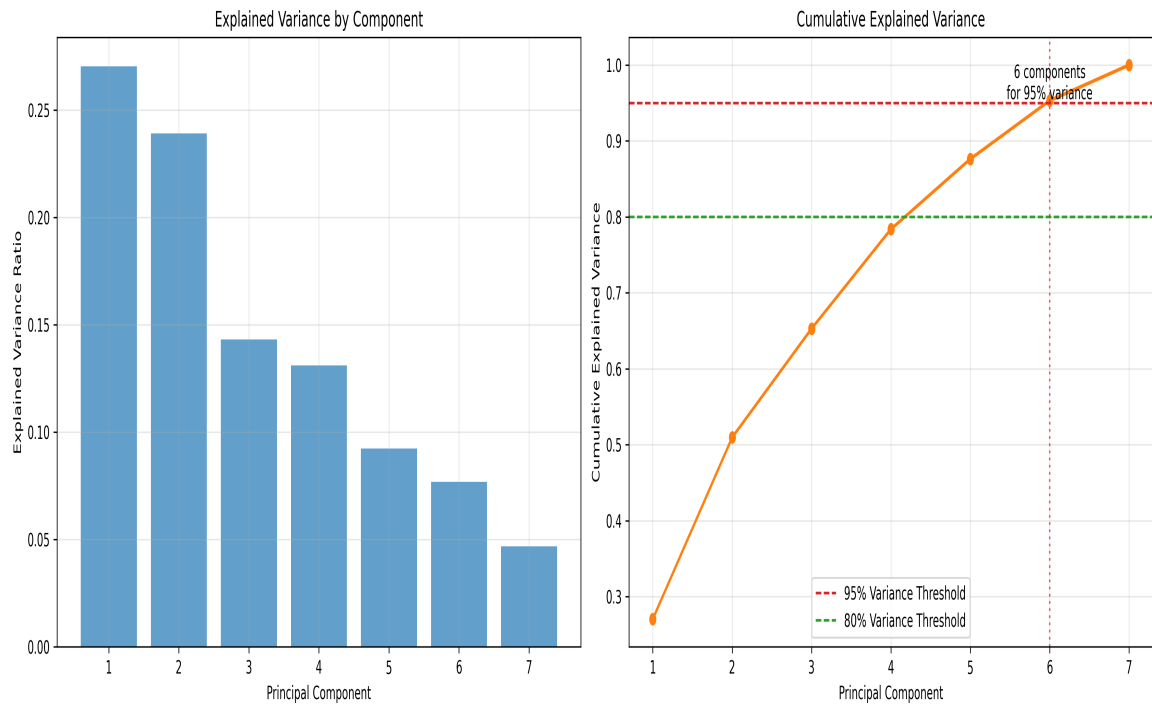
■ AI Insights & Recommendations

■ *Data Quality Insights*

1. Dataset has 866 missing values that need attention

■ *Feature Insights*

1. Dataset has 7 numerical features for analysis
2. Dataset has 5 categorical features for encoding