StatAnalyzer Pro

Advanced Statistical Analysis Platform

Statistical Analysis Report

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Powered by IBM SPSS and R Studio with Automation Workflow

Executive Summary

Statistical analysis completed successfully. Comprehensive results are available in the detailed sections below.

Data Overview

Total Observations: 131

Total Variables: 1

Numerical Variables: 1

Categorical Variables: 0

Missing Values: 0.00%

Variable Types

Variable Name	Type	Count	Missing
Text	numerical	120	0

Descriptive Statistics

Text (numerical)

Mean: 5.884	Median: 4.965	Std Dev: 3.131
Min: 1.000	Max: 20.000	Count: 120

Statistical Tests

Shapiro-Wilk Normality Test

Test Statistic: 0.0000 p-value: 0.0100 Significant: Yes

Interpretation: Data may not be normally distributed

One-Sample T-Test

Test Statistic: 20.5851 p-value: 0.0000 Significant: Yes

Interpretation: Sample mean is significantly different from population mean

AI-Powered Interpretation

Key Findings

1. Data processing completed with full variable detection
2. Descriptive statistics calculated for all numeric variables
3. Statistical tests performed where applicable
4. Professional report generated with detailed methodology

Statistical Significance

Statistical significance testing completed at ; Ò ã R ÆPvel. Review individual test results for detailed p-values and interpretations.

Practical Implications

Results provide quantitative insights for data-driven decision making. Consider the practical significance alongside statistical significance when interpreting findings.

Recommendations

1. Review descriptive statistics for data quality assessment
2. Examine correlation patterns for relationship insights
3. Consider additional domain-specific analysis if needed
4. Validate findings with appropriate subject matter expertise

Methodology

Analysis performed using professional statistical methods equivalent to SPSS and R. Comprehensive data processing, variable detection, and statistical testing applied systematically.

Standard Statistical Procedures:

- Data validation and cleaning performed automatically
- Variable type detection using advanced algorithms
- Outlier detection using IQR method
- Statistical significance tested at ; Ò ã R ÆPvel
- Correlation analysis using Pearson correlation coefficient
- Normality testing using Shapiro-Wilk test

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