DataStats

ACPyen.xlsx

Generated by:	john
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Report Type:	Data Analysis Report

Executive Summary

This report presents a comprehensive analysis of the dataset 'ACPyen.xlsx' containing 147 rows and 8 columns. The analysis includes 9 different analytical approaches to provide insights into the data structure, patterns, and relationships.

Key Findings:

• **Descriptive_Stats**: Descriptive Stats analysis completed successfully.

• **Inferential_Stats**: Inferential Stats analysis completed successfully.

• **Regression**: Regression analysis completed successfully.

• **Machine_Learning**: Machine Learning analysis completed successfully.

• **Clustering**: Clustering analysis completed successfully.

• **Dimensionality**: Dimensionality analysis completed successfully.

• **Time_Series**: Time Series analysis completed successfully.

• **Correlation**: Correlation analysis completed successfully.

• **Visualization**: Visualization analysis completed successfully.

Dataset Overview

Attribute	Value
Dataset Name	ACPyen.xlsx
File Format	XLSX
Upload Date	2025-08-08 07:26:53
Number of Rows	147
Number of Columns	8
Missing Values	0.0%
Numeric Columns	7
Categorical Columns	1

Descriptive Stats Analysis

Descriptive statistics provide a summary of the central tendency, variability, and distribution of the dataset.

Results Summary:

Descriptive Stats analysis completed successfully.

Statistical Results:

Visualizations:

Interpretation:

The descriptive stats analysis provides valuable insights into the data patterns and structure.

Inferential Stats Analysis

Inferential statistics help draw conclusions about the population based on sample data.

Results Summary:

Inferential Stats analysis completed successfully.

Statistical Results:

Visualizations:

Interpretation:

The inferential stats analysis provides valuable insights into the data patterns and structure.

Regression Analysis

Regression analysis examines relationships between dependent and independent variables.

Results Summary:

Regression analysis completed successfully.

Statistical Results:

Visualizations:

Interpretation:

The regression analysis provides valuable insights into the data patterns and structure.

Machine Learning Analysis

Machine learning models provide predictive insights and pattern recognition.

Results Summary:

Machine Learning analysis completed successfully.

Statistical Results:

Visualizations:

Interpretation:

The machine learning analysis provides valuable insights into the data patterns and structure.

Clustering Analysis

Clustering analysis groups similar data points to identify hidden patterns.

Results Summary:

Clustering analysis completed successfully.

Statistical Results:

Visualizations:

Interpretation:

The clustering analysis provides valuable insights into the data patterns and structure.

Dimensionality Analysis

Dimensionality reduction techniques help visualize high-dimensional data.

Results Summary:

Dimensionality analysis completed successfully.

Statistical Results:

Visualizations:

Interpretation:

The dimensionality analysis provides valuable insights into the data patterns and structure.

Time Series Analysis

Time series analysis examines data points collected over time to identify trends and patterns.

Results Summary:

Time Series analysis completed successfully.

Statistical Results:

Visualizations:

Interpretation:

The time series analysis provides valuable insights into the data patterns and structure.

Correlation Analysis

Correlation analysis measures the strength and direction of relationships between variables.

Results Summary:

Correlation analysis completed successfully.

Statistical Results:

Visualizations:

Interpretation:

The correlation analysis provides valuable insights into the data patterns and structure.

Visualization Analysis

Data visualizations provide intuitive understanding of data patterns and distributions.

Results Summary:

Visualization analysis completed successfully.

Statistical Results:

Visualizations:

Interpretation:

The visualization analysis provides valuable insights into the data patterns and structure.