

# Data Analysis Report

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Analyzed Columns: sepal\_length, sepal\_width, petal\_length, petal\_width

## Key Findings:

- Analysis of 4 selected columns from 150 records
- Strong upward trend detected in sepal\_length (confidence: 0.72)
  - Consider investigating outliers in sepal\_width

## Detailed Insights:

- Analysis of 4 selected columns from 150 records
- Found 1 outliers in sepal\_width
- High volatility detected in petal\_width (63.67%)
- Found strong positive correlation (0.87) between sepal\_length and petal\_length
- Found strong positive correlation (0.82) between sepal\_length and petal\_width
- Found strong positive correlation (0.96) between petal\_length and petal\_width

## Recommendations:

- Consider investigating outliers in sepal\_width
- Monitor petal\_width for stability issues

## Trends and Predictions:

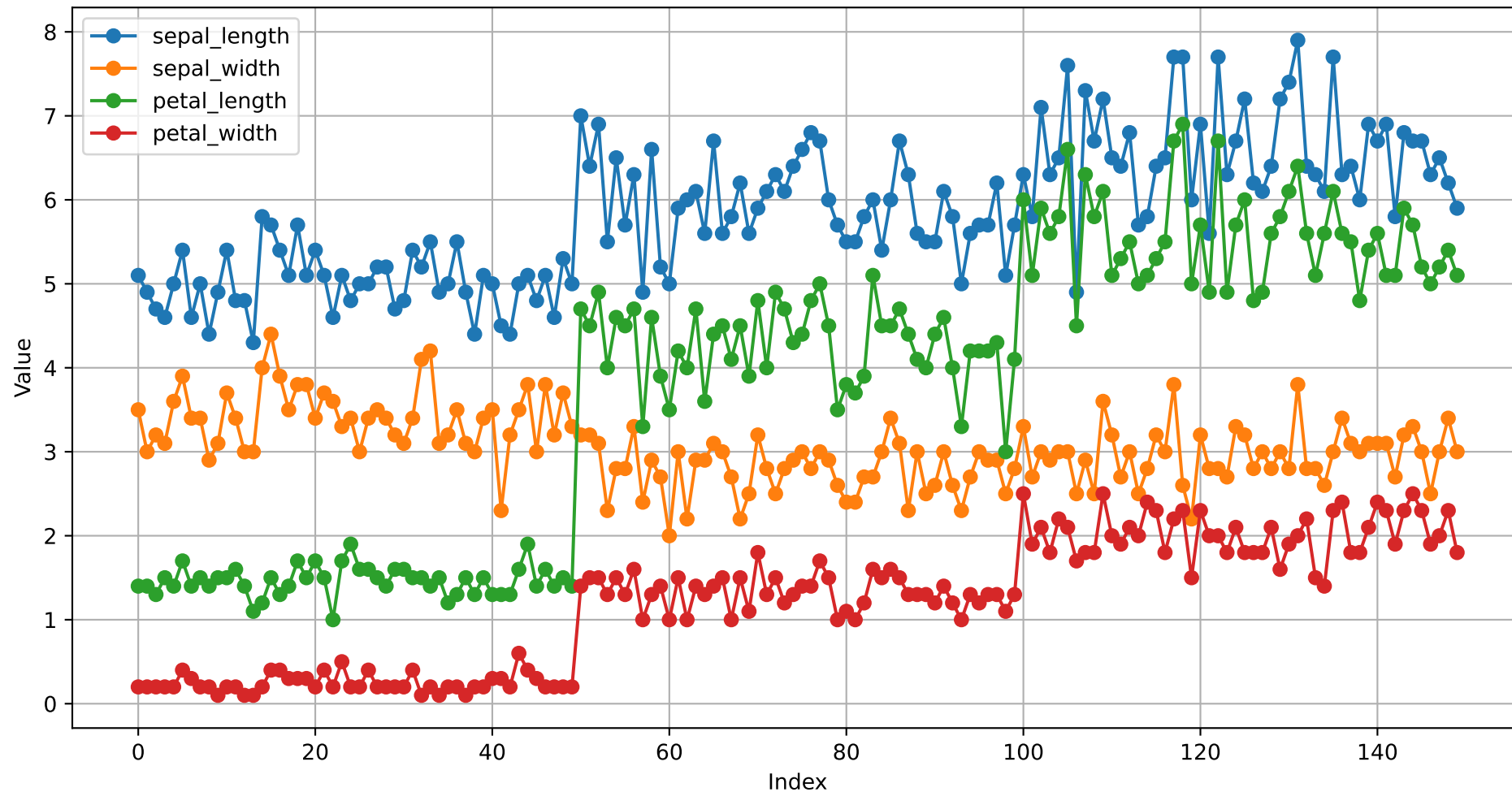
### Trends:

- Strong upward trend detected in sepal\_length (confidence: 0.72)
- Total change in sepal\_length: 15.69%
- Strong upward trend detected in petal\_length (confidence: 0.88)
- Total change in petal\_length: 264.29%
- Strong upward trend detected in petal\_width (confidence: 0.90)
- Total change in petal\_width: 800.00%

### Predictions:

- sepal\_length: [6.87, 6.89, 6.9, 6.92, 6.93]
- sepal\_width: [2.75, 2.75, 2.75, 2.74, 2.74]
- petal\_length: [6.47, 6.5, 6.54, 6.57, 6.61]
- petal\_width: [2.39, 2.41, 2.42, 2.44, 2.46]

Numeric Data Trends



Correlation Matrix

