Data Analysis Report

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Key Findings:
- Dataset contains 150 records and 5 columns
- Strong upward trend detected in sepal_length
- Consider investigating outliers in sepal_width

Detailed Insights:

- Dataset contains 150 records and 5 columns
- Found 1 outliers in sepal_width
- Most common species: setosa (50 occurrences)
- Strong correlation (0.87) between sepal_length and petal_length
- Strong correlation (0.82) between sepal_length and petal_width
- Strong correlation (0.96) between petal_length and petal_width

Recommendations:

- Consider investigating outliers in sepal_width
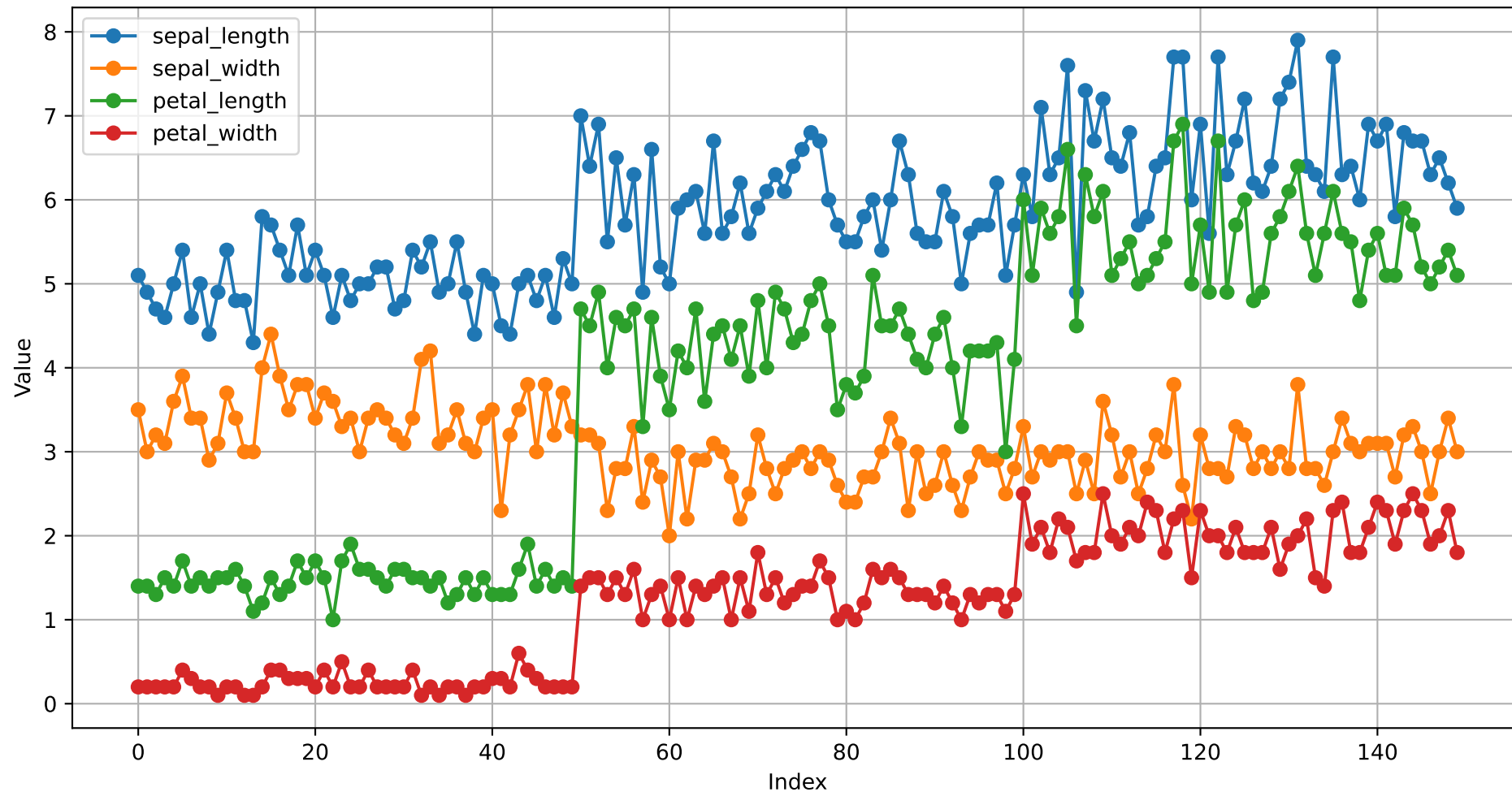
Trends and Predictions:

Trends:
• Strong upward trend detected in sepal_length
• Strong upward trend detected in petal_length
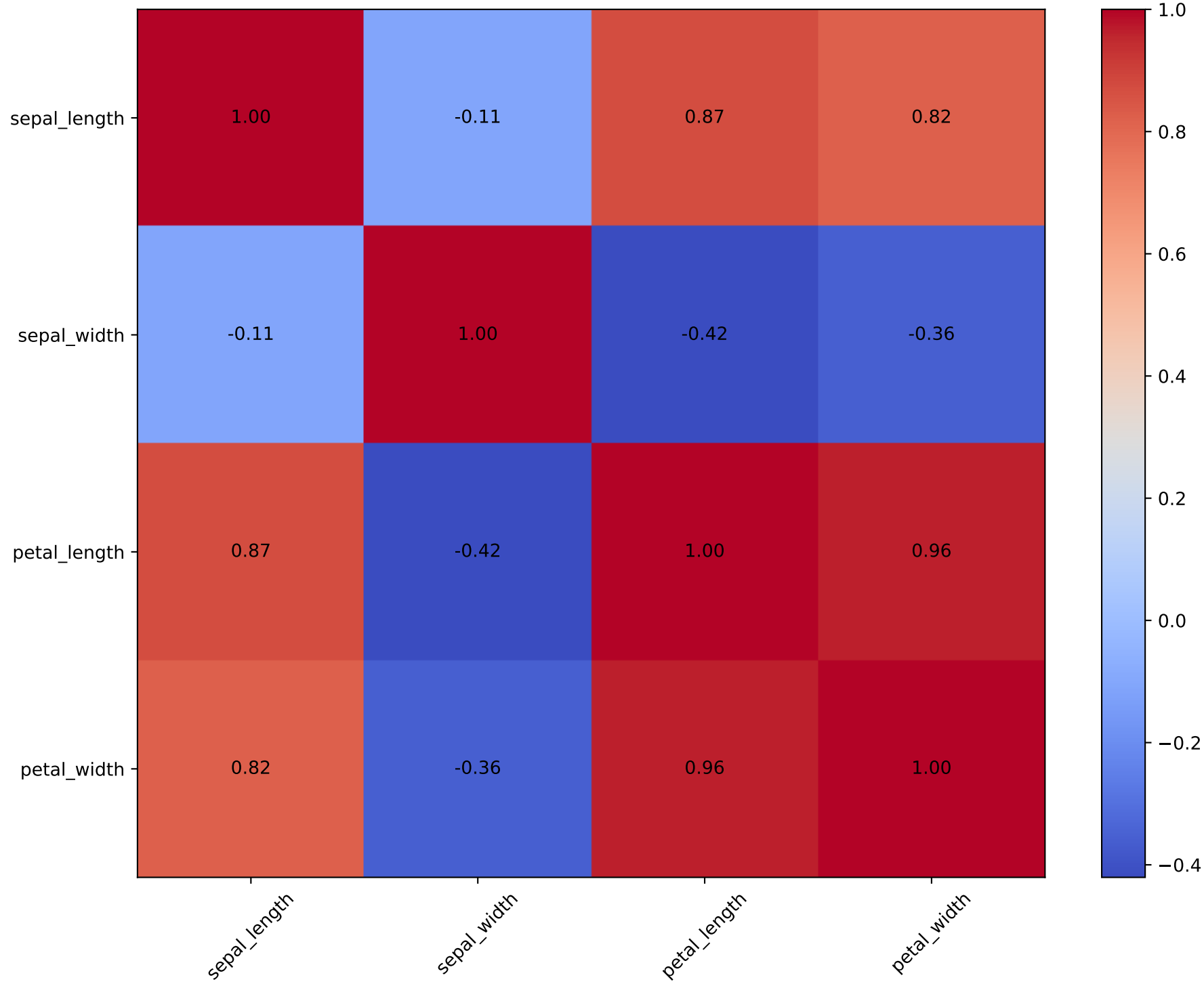• Strong upward trend detected in petal_width

Predictions:
• Predicted next 5 values for sepal_length: [6.87, 6.89, 6.9, 6.92, 6.93]
• Predicted next 5 values for sepal_width: [2.75, 2.75, 2.75, 2.74, 2.74]
• Predicted next 5 values for petal_length: [6.47, 6.5, 6.54, 6.57, 6.61]
• Predicted next 5 values for petal_width: [2.39, 2.41, 2.42, 2.44, 2.46]

Numeric Data Trends

Correlation Matrix

	sepal_length	sepal_width	petal_length	petal_width
sepal_length	1.00	-0.11	0.87	0.82
sepal_width	-0.11	1.00	-0.42	-0.36
petal_length	0.87	-0.42	1.00	0.96
petal_width	0.82	-0.36	0.96	1.00

Distribution of species