Machine Learning: K-Means Clustering

Computational Science Templates
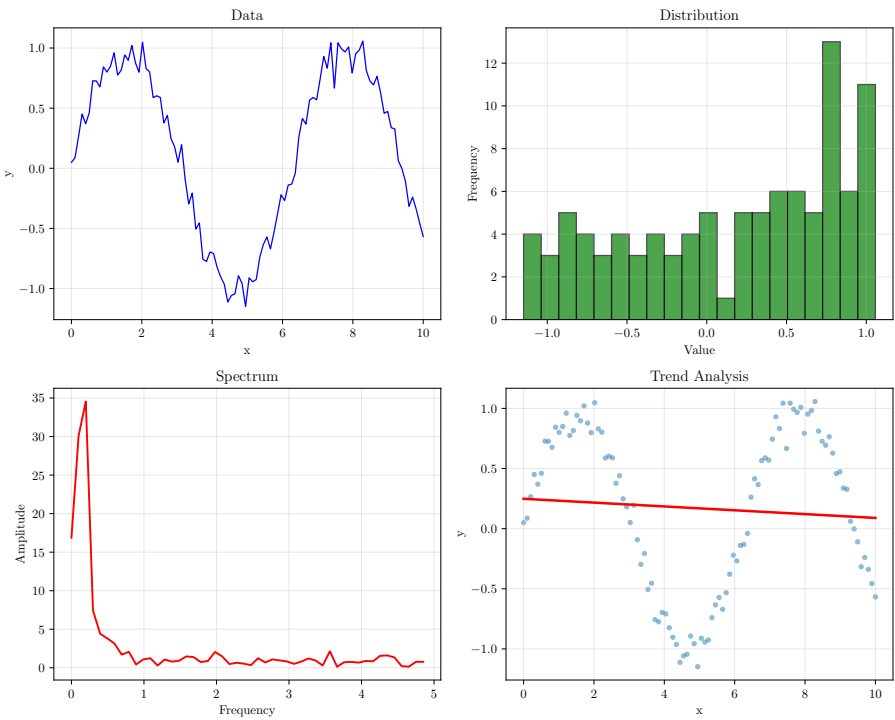
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1 Introduction

This analysis explores machine learning: k-means clustering through computational methods and visualization.

2 Mathematical Framework

Relevant equations for this analysis:

$$y = f(x) + \epsilon \tag{1}$$

3 Computational Analysis

4   Results

Analysis results:

- Sample size: 100

- Mean: 0.169

- Standard deviation: 0.671

- Correlation: -0.069

5   Conclusion

This computational analysis demonstrates key concepts in machine learning: k-means clustering. The methods shown can be extended for more complex applications.