

Special Issue

Applications Based on Symmetry/Asymmetry in Data Mining

Message from the Guest Editors

In recent years, the burgeoning field of data mining has witnessed remarkable advancements. Symmetry and asymmetry are fundamental concepts influencing various aspects of data mining, including pattern recognition, anomaly detection, and classification. As data mining techniques continue to evolve, understanding the role of symmetry and asymmetry becomes increasingly important for advancing the field. This Special Issue aims to delve into the role of symmetry and asymmetry within data mining applications across various domains. We welcome submissions that address recent advancements, methodologies, and practical applications leveraging symmetry and asymmetry in data mining processes. Potential topics of interest include but are not limited to novel data mining algorithms incorporating symmetry/asymmetry principles; innovative feature engineering techniques guided by symmetry/asymmetry considerations; cutting-edge data analysis methodologies leveraging symmetry/asymmetry insights; and case studies illustrating the practical implications of symmetry/asymmetry in data mining applications.

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About the Journal

Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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