

Special Issue

Computational Intelligence in Addressing Data Heterogeneity

Message from the Guest Editor

Data heterogeneity, characterized by the presence of diverse data sources with varying formats, structures, and semantics, has become a pervasive challenge in the era of big data. The issue focuses on the theoretical and computational challenges and advancements in leveraging computational intelligence techniques to tackle the complexities posed by heterogeneous data sources. This collection encompasses a diverse range of methodologies, algorithms, theories, applications, and case studies that highlight the role of computational intelligence in harmonizing and deriving valuable insights from heterogeneous data sources. Topics include, but are not limited to:

- Deep learning;
- Data mining;
- Statistical learning;
- Robust machine learning;
- Decision support;
- Robust optimization;
- Curse of dimensionality;
- Interpretable machine learning;
- Uncertainty quantification;
- Federated learning;
- Computer vision and image processing;
- Anomaly detection;
- Applications with heterogeneous data.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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