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Knowledge Graphs in the Big Data Era: Navigating the Confluence of Distribution, Visualization, and Advanced Computational Models

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Message from the Guest Editors

Dear Colleagues,

This Special Issue seeks contributions that explore the multifaceted dynamics of KGs in big data era. We request papers that address the challenges involved in distributed KGs, innovative visualization techniques, the impacts of LLMs on KGs in big data, and other relevant topics. In this Special Issue, research areas may include (but are not limited to) the following subjects:

- Distributed knowledge graphs in big data;
- Visualisation UI for KGs in big data;
- Integration of LLMs with KGs in big data;
- Semantic web and ontology engineering in big data;
- Machine learning and AI in enhancing KGs;
- Natural language processing (NLP) for KGs in big data;
- Role of KGs in predictive analytics;
- Graph databases and big data;
- KGs for IoT and sensor data;
- Interoperability of KGs across diverse data sources;
- Domain-specific applications of knowledge graphs in big data.



big data and cognitive computing



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Message from the Editor-in-Chief

Big Data and Cognitive Computing (BDCC) is a scholarly online journal which provides a platform for big data theories with emerging technologies on smart clouds and exploring supercomputers with new cognitive applications. It is a peer-reviewed, open access journal that publishes high quality original articles, reviews and short communications. The primary aims of this journal are to encourage contributions of high quality scientific papers relating to data management and analytics in industry, such as manufacturing, healthcare, education, media and business, data mining, and cognitive science. There is no restriction on the maximum length of the papers.

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