Special Issue

Integrating Data Sources for Smarter Interdisciplinary AI Solutions: Challenges and Opportunities

Message from the Guest Editors

Data integration is a key aspect in the development and evaluation of AI solutions. However, it is inherently interdisciplinary, as many application domains—such as the humanities, social sciences, and economics, as well as physics and engineering—each bring their own unique perspectives on data. On the one hand, there is a need for tailored data integration strategies and solutions to tackle domain-specific challenges. On the other hand, we recognize a shared methodological toolbox: both AI and data integration methods often transcend disciplinary boundaries. We are pleased to invite you to contribute to this Special Issue with novel research on AI methodologies, evaluations of data integration methods, and critical reflections on both, preferably from interdisciplinary perspectives. In particular, we are interested in fostering communications between researchers from different fields of computer science, application areas such as the social sciences, economics, and the humanities, and practitioners from different fields.

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