Special Issue

Critical Challenges in Large Language Models and Data Analytics: Trustworthiness, Scalability, and Societal Impact

Message from the Guest Editors

This Special Issue addresses the most pressing contemporary issues at the intersection of artificial intelligence, data science and analytics, and societal impact, focusing on three interconnected domains of critical importance: trustworthiness and reliability, data quality and governance, scalability and environmental impact.

We aims to present recent advancements while providing practical frameworks for researchers, practitioners, and policymakers navigating these complex relationships. We particularly encourage interdisciplinary submissions that bridge Al, data science and analytics, ethics, policy, and domain-specific applications. The scope of this Special Issue includes, but is not limited to, the following topics:

- Healthcare and Biomedical Analytics
- Financial Technology and Risk Analytics
- Educational Technology and Learning Analytics
- Natural Language Processing and Computational Linguistics
- Environmental and Climate Analytics
- Social Media and Digital Humanities
- Industrial and Manufacturing Analytics
- Legal Technology and Compliance

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