



Emerging Technologies in Explainable Artificial Intelligence (XAI) for Big Data

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Message from the Guest Editors

Dear Colleagues,

Artificial intelligence applications, methods, techniques, and approaches are rapidly advancing. Although they contribute positively to many aspects of our lives, there are major concerns about how they process and learn from our information, their critical decision-making, etc. There is increasing demand from individuals in societies, businesses, organizations, and government bodies to increase our understanding of AI applications in performing tasks. The need for explainable AI has prompted researchers, businesses, and governments to take action to increase form theories and application designs that allow transparency and explanations of the processes and decisions of AI algorithms and products. Thus, this Special Issue invites the contribution of original theoretical or applied research, as well as survey papers, related to methods, approaches, and techniques to explain AI in relation to big data.

Research areas may include (but are not limited to) the following:

- Theory and foundations of explainable AI using big data
- Methods and standards for explainable AI
- Analyses of AI or machine learning model training
- Explainable machine learning algorithms





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Message from the Editor-in-Chief

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