



Data-Driven Decision Making: Models, Methods and Applications

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Message from the Guest Editors

Data-driven decision making is becoming increasingly important in various fields of engineering and management, and it is more widely recognized with the rapid development of data science, decision science, and interpretable artificial intelligence. In real-world decision-making problems, data usually come from different sources in different formats and are often associated with various types of uncertainty, including randomness, incompleteness, inaccuracy, and inconsistency. In addition, subjective judgment and knowledge also play an important role in making informed decisions. This Special Issue aims to provide a forum for exchange of new findings and advances in the areas of data-driven decision making and decision analytics. The topics of interest for this Special Issue include but are not limited to:

- Data-driven modelling and inference;
- Decision making under uncertainty;
- Decision analysis in social networks;
- Group decision making;
- Multiple criteria decision analysis;
- Knowledge-based decision support;
- Decision analytics and interpretable artificial intelligence;
- Applications of data-driven decision making in engineering and management.





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Message from the Editor-in-Chief

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