Data Modeling and Predictive Analytics

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Data modeling is carried out to improve the quality of data, which eventually helps processes to identify interesting patterns and carry out predictions. Many of the latest research and development trends suggest and attempt to build data modeling, cleansing, and preparation techniques that are aligned towards improving and enhancing the performance and effectiveness of analysis and prediction mechanisms. This requires advanced methods, techniques, and tools that perform modeling, representation, and preparation of data in alignment with reasoning, analytics, and prediction. Topics of interest:

- Data modeling
- Knowledge representation
- Data preprocessing and transformation
- Feature engineering
- Predictive analytics
- Ontologies and metadata
- Knowledge graphs
- Complex event modeling and processing
- Cataloguing and organization
- Semantic web and rules
- Natural language modeling and processing
- Rule-driven and data-driven reasoning
- Prediction and forecasting
- Machine learning
- Deep learning

Dr. M. Omair Shafiq
Guest Editor

Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

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