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Information Visualization Theory and Applications

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Message from the Guest Editors

In data science, information visualization has become a central component to understanding complex scientific problems or data through visualization. Thus, designing innovative visualization systems is essential to address and solve various domain problems. For this, a theoretical understanding of visualization models and design principles through visual encoding, interaction, and/or analysis tasks is critical to solving domain problems and understanding data effectively. Identifying possible implications from theories of perception, cognition, design, and/or aesthetics is also important. Automated design guidelines and visualization recommendations should be determined to find scientific limitations of understanding data through visualization.

This Special Issue aims to seek high-quality papers that highlight visualization challenges to be accomplished, elucidate solutions for understanding domain problems through visualizations, and theoretical visualization principles for advancing visualization techniques and applications.



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Special Issue



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Message from the Editor-in-Chief

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