

Special Issue

Interactive Visual Analytics: Bridging Human Cognition and Complex Data

Message from the Guest Editors

In an era defined by an unprecedented deluge of data, the ability to extract meaningful insights, detect patterns, and make informed decisions is more critical and challenging than ever. Visual Analytics has emerged as a powerful scientific discipline to address this challenge, integrating automated data analysis with interactive visualizations to create a synergistic human-in-the-loop process. At the heart of this discipline is interaction, the mechanism that empowers users to navigate, manipulate, and query vast data spaces, transforming static images into dynamic analytical dialogues.

This Special Issue aims to bring together leading researchers and practitioners to share the latest advances in the theory, design, application, and evaluation of Interactive Visual Analytics (IVA). We are particularly interested in novel work that pushes the boundaries of how human cognition can be augmented through interactive systems to tackle the scale and complexity of modern datasets, from scientific research and business intelligence to the growing demands of explainable AI.

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Message from the Editor-in-Chief

Data is an open access journal that publishes scientific data in a reliable, citable, and accountable manner. Data grants the opportunity to formally share valuable data, for academic credit. It covers a wide range of disciplines in which data is generated so that published data is discoverable and available for wider re-use. The journal has highly accomplished scientists from a variety of disciplines on the editorial board. The publication emphasizes clarity, honesty, quality, and novelty and has a rigorous peer-review process. We strongly encourage you to share your data vision in Data.

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