

Creating and effectively using visualization techniques in real-world applications

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Keynote talk

Data visualization can be seen as the interface between the human in front of the screen and the data stored in the system. While a few data records are understandable as text or tables, data visualization becomes a necessity when humans want to make sense of large and complex amounts of data.

At the same time, the rapidly increasing amount of data has become a challenge in many application areas and practitioners are looking for more effective, visual ways to analyze data and communicate insights.

This talk will introduce the process of creating effective visualization techniques and will show how such techniques provide benefits in different application areas, including healthcare, business analytics, and cybersecurity. My talk will also touch on some of our current research projects to look at the future role of data visualization and visual analytics.

About Jörn Kohlhammer

Jörn Kohlhammer is head of the Competence Center for Information Visualization and Visual Analytics, and Professor for User-Centered Visual Analytics at TU Darmstadt. He has a PhD from TU Darmstadt and an MSc from the Ludwig-Maximilian University in Munich.

His competence center develops solutions for several application domains, including visual business analytics, medical data analysis of electronic health records, decision support in the public sector, and cybersecurity.

Jörn is regular member of program committees for conferences like IEEE VAST and EuroVis, and acts as reviewers in many conferences and journals. His personal research interests include user-centered design and time-oriented cohort analysis.