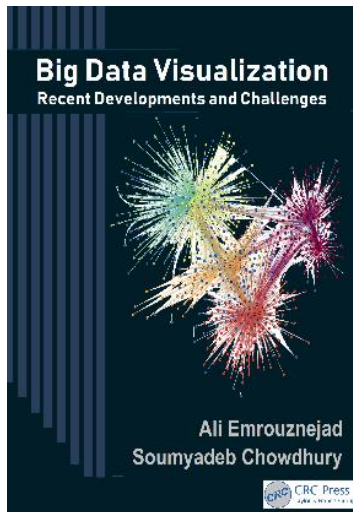


# Big Data Visualization: Recent Developments and Challenges



## Title:

Big Data Visualization: Recent Development and Challenges

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Big Data is a major source of change in today's world. It is without doubt a source of immense economic and social value with the potential to impact individuals, organizations, and society alike in ways that are yet to be fully explored.

Analysts and data scientists can use data visualizations to make their information more presentable to managers and decision makers. Also, the traditional visualization metaphors using graphs, charts and spreadsheets are useful for illustrating homogeneous data in static dashboards, but when it comes to big data there are many challenges to increase the intuitiveness, performance and usefulness of the visualization in a dynamic environment t. ***This book aims to provide the state-of-the-art on Visualizing Big Data for various stakeholders in a variety of contexts and business environment.***

The book chapters will aim to cover contemporary applications in a myriad of sectors such as finance, health care, transportation, education, hospitality, marketing, and retail, which would identify new ways of visualizing vast and heterogeneous content, benefiting society, industry, academia, and government organizations. Additionally, theoretical contributions outlining drivers, challenges, evaluation procedures and novel visualization techniques, will be included in the book, to help demonstrate the value of sense giving mechanisms in the data-driven decision-making contexts. The key themes will include but not limited to **visualization software, visualization applications, taxonomy and ontology, dynamic visualizations, and information graphics.**

We would like to invite you to contribute to this book. **To submit your proposal please send one page summary to** ([a.emrouznejad@surrey.ac.uk](mailto:a.emrouznejad@surrey.ac.uk)) and include, title, author(s), a short abstract and information about any software you will be using /or codes that you will develop for this chapter.

This book will be published in summer 2023.