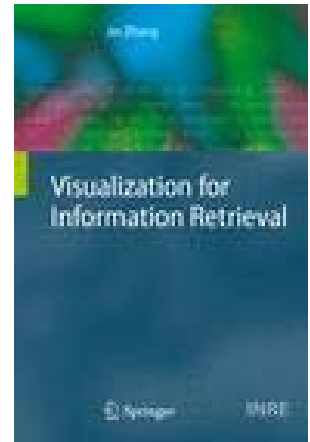


Visualization for Information Retrieval

Dr. Jin Zhang



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About this book

Information visualization offers a unique way to reveal hidden patterns in a visual presentation and allows users to seek information from a visual perspective. In this book, author Jin Zhang provides a systematic explanation of the latest advancements in information retrieval visualization from both theoretical and practical perspectives. He reviews the main approaches and techniques available in the field, explains theoretical relationships between information retrieval and information visualization, and presents major information retrieval visualization algorithms and models. He then takes a detailed look at the theory and applications of information retrieval visualization for Internet traffic analysis, and Internet information searching and browsing. The author also addresses challenges such as metaphorical applications in information retrieval visualization environments and their evaluation and compares these information retrieval visualization models from the angles of visual space, semantic framework, projection algorithm, ambiguity, and information retrieval. He also discusses important issues in the field and research directions for future explorations.

Written for:

Researchers in academia and industry, libraries

Keywords:

- Information Retrieval
- Information Visualization
- Neural Networks

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