Information Visualization for Web-based Search and Exploration

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Web study on performance and potential of visual exploration

Visual Backchannel for ongoing conversations on Twitter

EdgeMaps representing implicit and explicit relations

While information on the Web is becoming increasingly abundant, diverse, and dynamic, web-based graphics and interactivity are becoming also more advanced. In order to find better ways for making sense of growing information spaces, I explore the use of information visualization together with emerging technological trends on the Web. In particular, I design new visual representations, create interactive exploration systems, and study the role of visualization in information seeking.

Methodology
- Design novel representations
- Develop web-based systems
- Study information seeking

Emerging Technological Trends
- More explicit semantics
- Better graphics support
- New input methods

Growing Information Spaces
- Change
- Diversity
- Size

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