Towards Semantics-Based, End-User-Centered Information Visualization

or

How to enable end users to profit from Semantic Web data?
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Gaining insights from data mainly for tech-savvy users

expert user

[2]

end user

[3]
• **Information Visualization (InfoVis) as key solution**
  
  • Mostly text- or graph-based representation [4]
  
  • RDF browsers vs. visual analytics systems
  
  • RDF InfoVis based on SPARQL result sets, e.g., Data-gov [5], requires Semantic Web, programming, and InfoVis skills
• **Goal:** flexible, smart, and context-aware InfoVis of Semantic Web data for end users
  - Formalize InfoVis knowledge
  - Semantics-based InfoVis process
  - Flexible architecture for process implementation

• **Approach:** Semantic Web technologies & Mashups
• Process based on insights from
  • visualization pipeline [11],
  • knowledge-assisted visualization [12], and
  • research about InfoVis for end user [13]


