InfoVis Systems & Toolkits

Information Visualization
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Background

• In last few classes, we have examined different techniques for presenting multivariate data

• Today we look at systems that implement these ideas and provide some of their own new visualization techniques
Breakdown

• Systems fall into three approaches
  – One primary multivariate representation
    Table Lens, EZChooser, Seelt, InfoZoom
  – Collection of popular and new views
    Advizor, Spotfire, InfoScope, ILOG Discovery,
    Polaris (Tableau)
  – Infrastructure with which to build views
    InfoVis Toolkit, Prefuse, Piccolo

Some discussed today, some in next class

One View Systems

• Each espouses a specific data representation
Table Lens/Eureka

http://www.inxight.com

Inxight Demo

Summer term 2008

Characteristics

- “Visual spreadsheet”
- All the data is always visible
- Supports focus + context
Characteristics

- Data case values sorted in each row (attribute)
- Interaction is important
SeelIt

No longer exists

Characteristics

- 3D, but modest 3D
- Individual items not really shown, depends on aggregation
- Projection onto walls is extremely important
**Characteristics**

- Similar to class spreadsheet, but important difference
  - Each attribute sorted
- Takes some time and skill to use system and interface well
- Useful for drilling into dataset in different ways