Introduction of TAKAMA Lab Research Topics 2008

Interactive Information Visualization

Web Intelligence

Data Mining

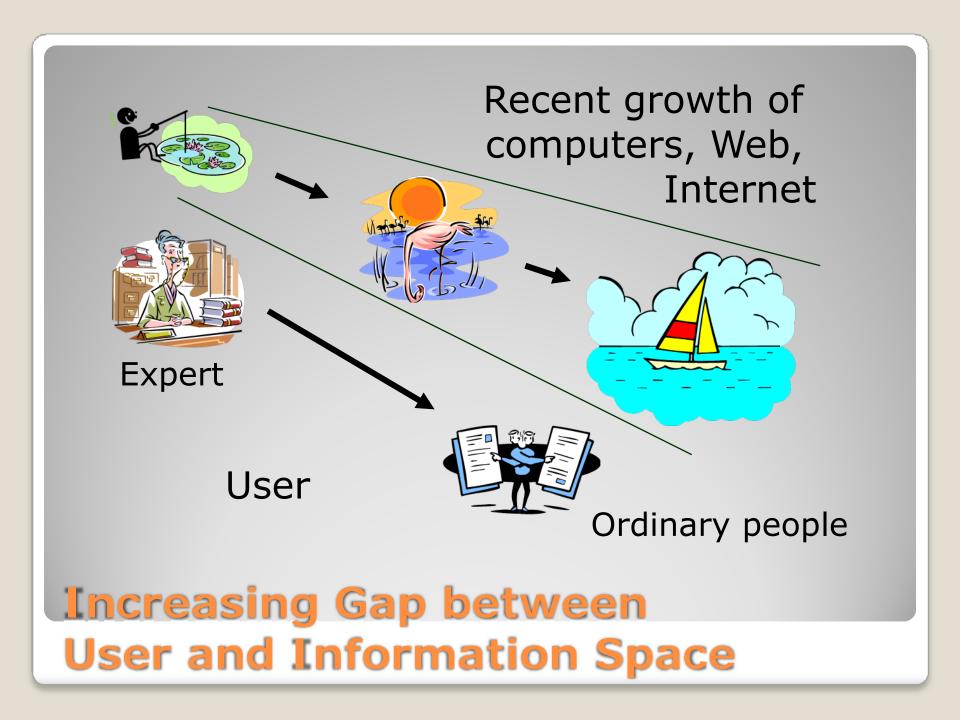
Social Data Analysis Trend Information Analysis

Information Recommendation

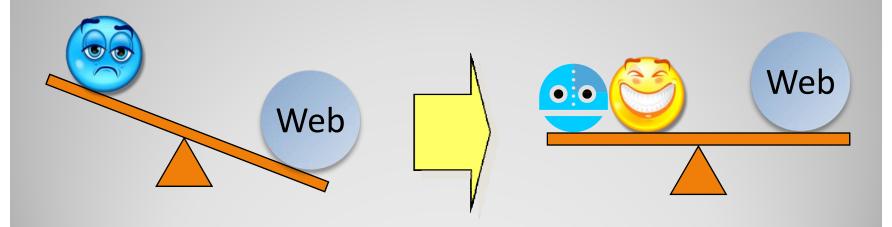
Anticrime / Disaster Prevention

Partner Robot

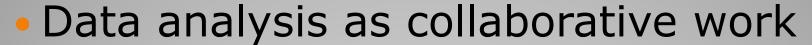
Keywords



- Bridging gap between user and Web
 - Information visualization
 - Interactive systems



Role of Intelligent Interface



 Deeper understanding & exploration of data space

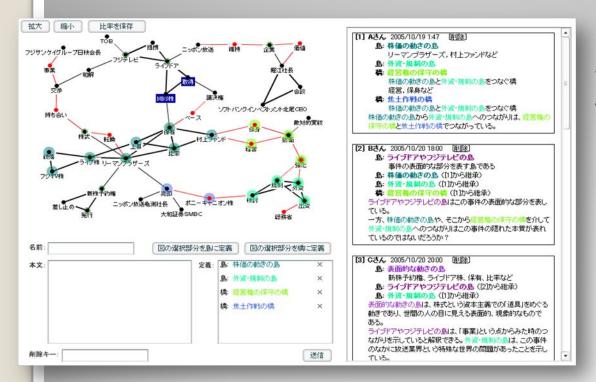
Visualization as common ground for communication



Social Data Analysis



Enabling asynchronous discussion while sharing KeyGraph as *common ground*



KeyGraph ... Typical visualization method for chance discovery -Islands: node cluster representing common knowledge -Bridge: path between islands, clue for *chance*

KGBBS: Online Discussion Support for Chance Discovery

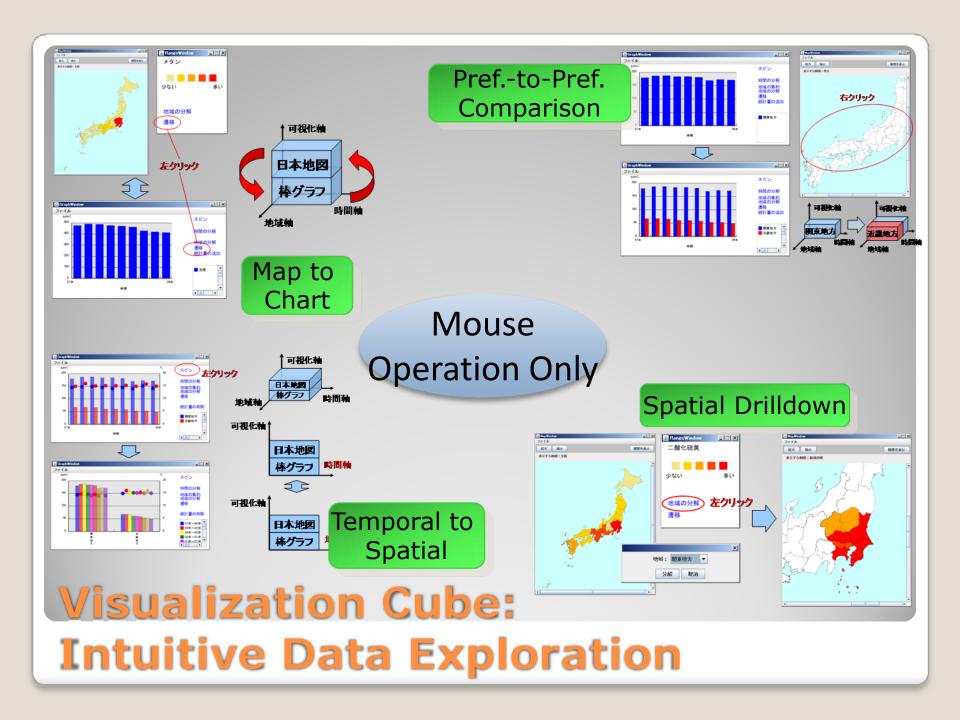
Support 2 kinds of anticrime activities

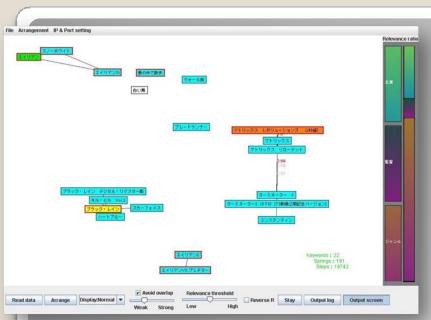
- -Creation of Community Safety Map by Children
- -Online discussion by community residents



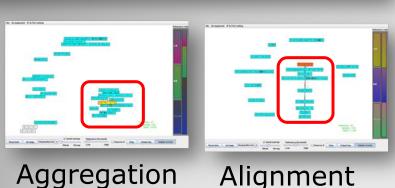
Used in actual class of elementary school

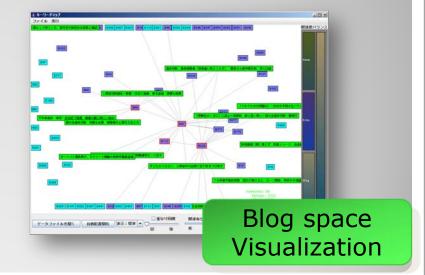
Community Anticrime Action Support





- -Visualization of graph structure
- -High-level interactive functions
- -Multiple relevance controller
- -Available for various application





Keyword Map:

General-purpose Visualization

