VISUAL ANALYTICS FOR
THE FUTURE INTERNET

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Data in the Future Internet: BIG

Source: The Economist; Data, data everywhere (27.02.2010)
Visual Analytics is Multidisciplinary

Visual Analytics

Human-Computer Interaction

Cognitive Science

Database Management

Knowledge Management

Data Mining

Information Visualization

Statistics

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Visual Analytics in the Future Internet

Data-driven visual analytics service network within the Internet

Simple Visual Interface — Analytics Service Bus — Data-Mining Service

Data Service — Analytics Service Bus — Expert Interface

Data-Mining Service — Analytics Service Bus — Data Service
Visual Analytics Research Needs

**Visual analytics solutions for:**
- Testing and analysis of infrastructural concepts
- Support for trust and security
- ...

**Specific visual analytics topics:**
- Data that knows where it comes from, who can see it and in what form
- Taking algorithms to data and not data to algorithms
- Standardization of visual analytics services
- Visual analytics interfaces of layered and adaptive complexity
- ...

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