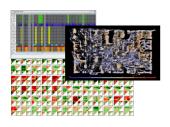
# Interactive Monitoring of Social Media Using Visual Analytics



#### Daniel A. Keim

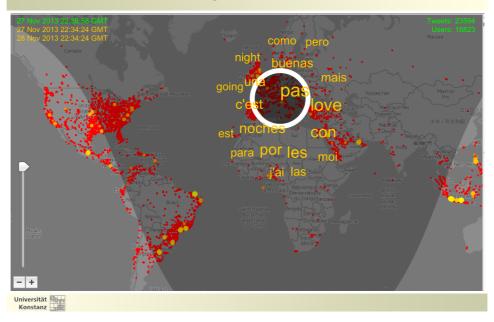
Data Analysis and Information Visualization Group University of Konstanz, Germany



Dialogveranstaltung Münchner Kreis July 10, 2014



### **Monitoring of Social Media**



#### **Social Media Analysis**

## Automated Analysis of social media only works under certain preconditions.

#### **Preconditions:**

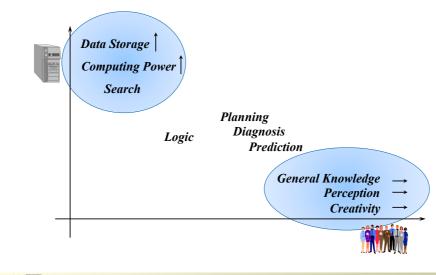
- Data is clearly structured
- Data semantics is well-defined
- Data is complete, correct, and not changing over time

#### **AND**

- Task is well-defined



#### **Visual Social Media Analysis**



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#### **Visual Social Media Analysis**

"Computers are incredibly fast, accurate, and stupid; humans are incredibly slow, inaccurate, and brilliant; together they are powerful beyond imagination."

attributed to Albert Einstein



# Social Media Monitoring Examples

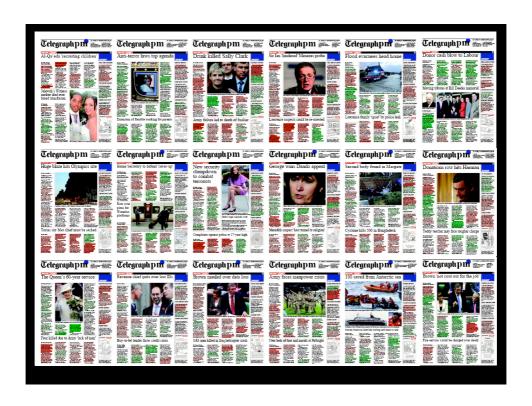
#### **Europe Media Monitor**

#### **Europe Media Monitor**

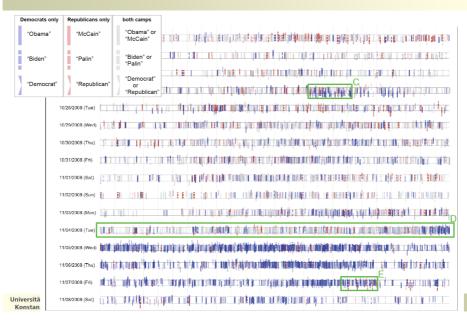
- collects news documents from 2,500 news sources: media portals, government websites, and news agencies
- processes 80,000-100,000 articles per day
- in 46 languages
- classifies the news according to countries and subjects
- extracts information about entities: people, places, and organizations



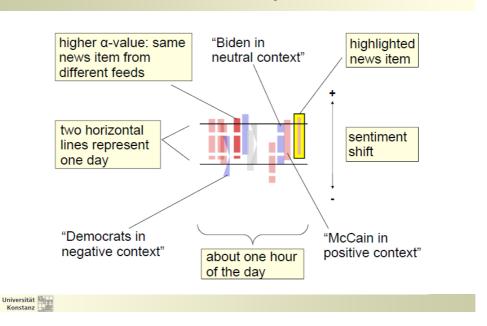


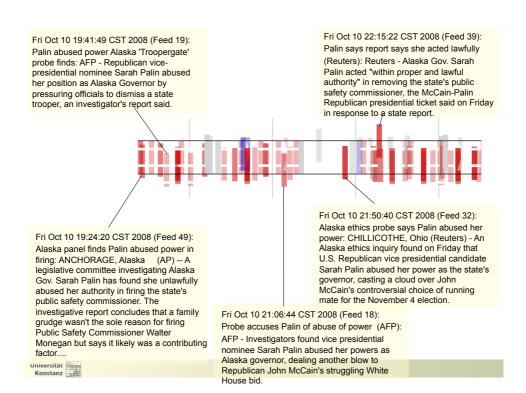


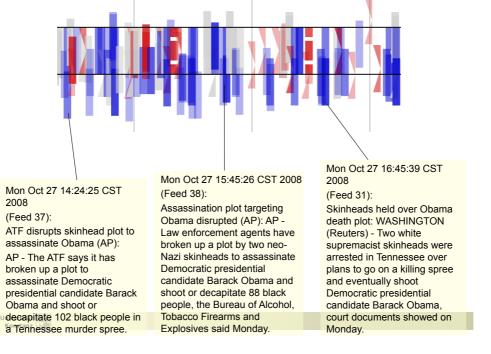
#### **Sentiment Explorer**

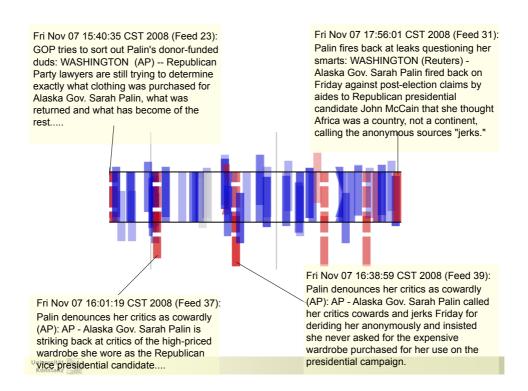


#### **Sentiment Explorer**

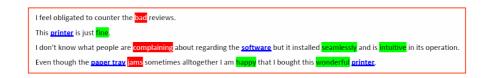


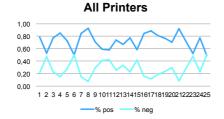






#### **Review Analysis**



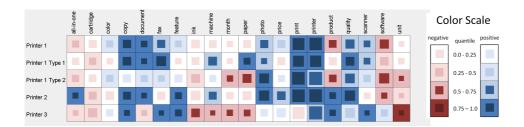


copy, fax, feature, photo, price, print, quality

cartridge, driver, ink, installation, paper, software, usb

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#### **Review Analysis**



#### **Summary Report of printers**

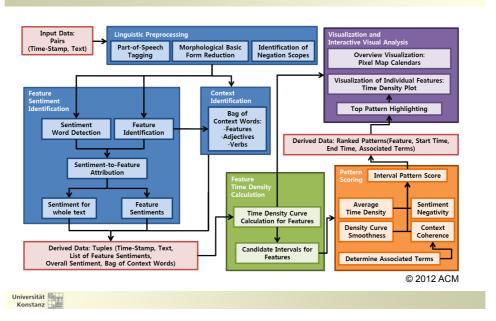
Size inner rectangle: amount of customers that commented on the attribute

Blue color: positive opinions Red color: negative opinions

Brightness of color: degree of positiveness / negativeness of comments

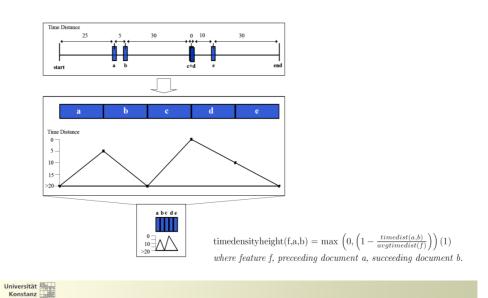
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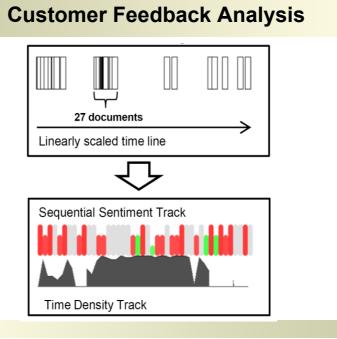
#### **Customer Feedback Analysis**



9

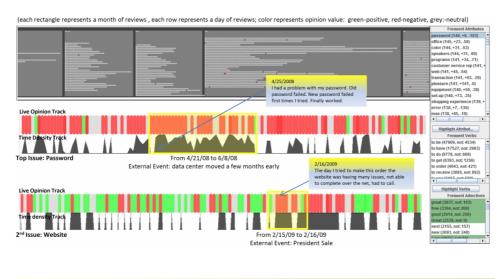
#### **Customer Feedback Analysis**





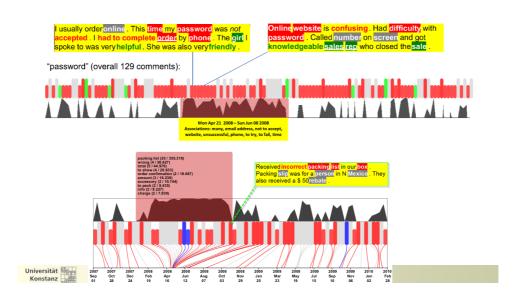
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#### **Customer Feedback Analysis**



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### **Customer Feedback Analysis**







#### Conclusion

"All truths are easy to understand once they are discovered; the point is to discover them."

**Galileo Galile (1564-1642)** 

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