Visualizing WIRED

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Why visualize text?

• Information retrieval
  – Make text pre-attentive
  – Make semantic connections visually explicit

• Data mine
  – Identify patterns in a corpus
    • A document or many, many documents
Problem

• 14 years of WIRED

• Visualizing trends over this period
  • How do we rank these trends in importance?
  • How can we keep everything legible?
Previous work 1

Collins 2007: DocuBurst

Many-Eyes: WordTree
Previous work 2

Galaxies

Themescape

Wise et al. (1999)
Plan overview

• Use StatNews for importance statistics
• Zoomable user interface
  – Represent documents by most relevant keyword
  – Keyword size proportional to # documents
• Search to filter for keywords
• Integrate with existing collaborate visual analysis framework
Challenges

• A lot of data
  – Keeping things interactive

• Unsure what the capabilities of StatNews are
  – Computational speed
  – Types of statistics available

• Adapting the proposed visualization to the current system’s framework
Milestones

- Design appropriate store for at least one year of data
- Create visualization template for the framework
- Merge data and visualization
- Expand to accommodate all data
- StatNews integration
References

http://vis.berkeley.edu/courses/cs294-10-fa08/wiki/index.php/FP-NicholasKong#Description