Text and Data Mining: An Overview

STM Conference
Washington, DC
April 27, 2016
Agenda

- TDM Today and Tomorrow
  - Scientific Research
  - Healthcare
  - Engineering
- Challenges
- Essential Actions
Applications: Scientific Research
Other Examples

- Emerging research trends
- Recommendation engines
- Systematic reviews
- Sentiment analysis
- Literature and patent analysis
Applications: Healthcare
Preventing Errors
Other Examples

- Effective claims management
- Accelerating healthcare research
- Sensors in devices transmitting data
Applications: Engineering
Advanced Systems Maintenance

Columbia Pipeline Group

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Other Examples

- Boosting industrial efficiencies
- Supporting real-time business decisions
- Use of sensors
Challenges

- Domain silos
- Lack of trust
- Copyright
- Metadata harmonization gaps
- Technology lagging discovery
Essential Actions
Essential Actions

- Build scalable solutions or partner
- Think big picture
- Support data standards
- Prioritize data integrity
- Ensure data security
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www.outsellinc.com
info@outsellinc.com
Burlingame, CA · USA
+1 650-342-6060
London · United Kingdom
+44 (0) 20 8090 6590

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