



Text and Data Mining: An Overview

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Agenda

- TDM Today and Tomorrow
 - Scientific Research
 - Healthcare
 - Engineering
- Challenges
- Essential Actions

Applications: Scientific Research

The background is a solid green color with a faint, semi-transparent grid overlay. The grid cells contain various small images related to science and research, such as a globe, laboratory glassware, a person using a microscope, and other scientific equipment. The overall theme is scientific research.

Measuring Research Impact



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

Advanced Systems Maintenance



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

- Build scalable solutions or partner
- Think big picture
- Support data standards
- Prioritize data integrity
- Ensure data security

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