



TEXT AND DATA MINING AT SPRINGER NATURE

As the volume of scientific publications increase and TDM software tools improve, we are moving towards a more formalized process to enable TDM, and strive to make this as simple as possible for customers and researchers.

ADVANCING
DISCOVERY

What is it?

Text and Data Mining (TDM) is the automated process of selecting and analyzing large amounts of text or data resources in a way that can provide valuable information needed for studies and research projects. This includes purposes such as searching for content, finding patterns, discovering relationships, semantic analysis, and learning how content relates to ideas and needs.

Why use TDM?

Tailored for researchers at all new and subscribing academic and government institutions and commercial research organizations, investing in TDM at Springer Nature provides a number of benefits:

- **Stay up to date** with growing research publications and data. We know that a key issue for researchers is dealing with information overload. Increasingly organisations are using our TDM services to enhance their Knowledge Management systems to greatly increase the discoverability of our content and ensure now key information is missed.
- **Receive critical context** to your in-house proprietary data and analytics in full text xml format. By integrating our content within your Knowledge Management system important context can be provided with clearer links and relationships created between internal and external content on the same topics.
- **Benefit from continuous improvement** - our enhanced API service and content annotation enables more efficient TDM activities based on user feedback, allowing continuous improvement to the service.

Who is it for?

Researchers: A major current use case is using semantic analysis to look at research trends with some even extending to predictive analytics to define future key research topics. However there are a huge variety of projects taking place from understanding how concepts relate to each other to data mining tasks to create databases for further analysis.

Knowledge Managers: Augmenting you client's abilities to have confidence that they have found all relevant information on a topic is the prime goal of evolving knowledge management systems. Incorporating external sources of fulltext content so that connections between internal and external sources can be found is a critical component.

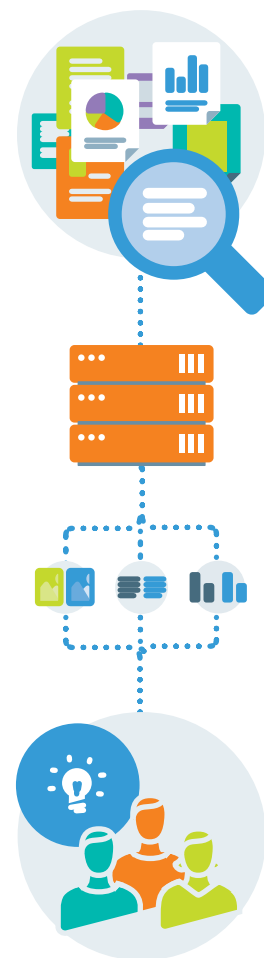
Product Developers: Applying AI technologies such as NLP, Machine Learning and Data Analytics to product development. Currently these include drug development, creators of novel chemistry and materials or health applications.

What does it include?

Fulltext XML Content Coverage of over 2.7 million articles, including:

- Nature Research Journals – 99% availability since 1997
- Springerlink.com Journals – 54% availability since 1997 with 87% of Journal content available in JATS in 2018
- Springerlink.com eBooks – produced since 2005 with over 50% of book content published since then available in BITS format

A full picture of our API offerings with detailed information, examples and API key sign-up can be looked up under api.springernature.com



For more information

Explore
scigraph.springernature.com/explorer/api/

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Visit
springernature.com/text-and-data-mining