

## Special Issue

# Natural Language Processing and Large-Scale Semantic Data Mining for Business Performance and Strategic Decision-Making

### Message from the Guest Editors

We welcome both theoretical and empirical contributions exploring how semantic and linguistic data analysis can provide new perspectives on:

- corporate strategy and performance evaluation;
- innovation and technological trajectories;
- ESG and sustainability reporting;
- financial and risk forecasting;
- organizational learning and knowledge management.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- Advanced NLP and semantic mining techniques applied to business and management research;
- Large-scale text analytics for evaluating firm performance and competitive dynamics;
- Semantic network construction and network-based approaches to corporate data;
- Brand or reputation analysis through news, patents, or social media;
- AI-based decision support systems using linguistic and semantic information;
- Integration of structured (e.g., accounting, market) and unstructured (e.g., textual) data;
- Explainable AI and interpretable NLP models for corporate applications;
- Applications of semantic similarity, topic modelling, or large language models (LLMs) in business contexts.

---

### Guest Editors

Dr. Ludovica Segneri

Dr. Andrea Fronzetti Colladon

Prof. Dr. Francesca Grippa

Dr. Aleksandra Przegalińska

---

**Deadline for manuscript submissions**



## Big Data and Cognitive Computing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.4  
CiteScore 9.8



[mdpi.com/si/261040](https://mdpi.com/si/261040)

*Big Data and Cognitive  
Computing*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
bdcc@mdpi.com

[mdpi.com/journal/](https://mdpi.com/journal/)

[BDCC](https://www.mdpi.com/bdcc)





# Big Data and Cognitive Computing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.4  
CiteScore 9.8



[mdpi.com/journal/  
BDCC](https://mdpi.com/journal/BDCC)



## About the Journal

### Message from the Editor-in-Chief

*Big Data and Cognitive Computing (BDCC)* is a scholarly online journal which provides a platform for big data theories with emerging technologies on smart clouds and exploring supercomputers with new cognitive applications. It is a peer-reviewed, open access journal that publishes high quality original articles, reviews and short communications. The primary aims of this journal are to encourage contributions of high quality scientific papers relating to data management and analytics in industry, such as manufacturing, healthcare, education, media and business, data mining, and cognitive science. There is no restriction on the maximum length of the papers.

---

### Editor-in-Chief

Prof. Dr. Min Chen

School of Computer Science and Engineering, South China University of Technology, Guangzhou 510641, China

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, ESCI (Web of Science), dblp, Inspec, Ei Compendex, and other databases.

#### Journal Rank:

JCR - Q1 (Computer Science, Theory and Methods) /  
CiteScore - Q1 (Computer Science Applications)