

# Special Issue

## Data Science in Health Care

### Message from the Guest Editors

Over the past decade, much health care data has been digitized, and the amount of it is tremendous and of high volume. There is a clear demand for tools and methods for mining clinical data and for generating new insights that can improve patients' health and health care systems. Some of the challenges include handling the high volumes of data, the variety of sources of data, differences in standards of care across sites, data sharing while preserving data privacy, and analysis of unstructured data. New technologies and platforms also need to be effectively incorporated into useful clinical decision-support systems, including the increasing emergence of remote home-based care. This Special Issue will include original theoretical and empirical studies, reviews, and opinions in the fields of data mining, machine learning, and AI in the context of healthcare. The purpose of this Special Issue is to serve the community as a unique and valuable reference source for researchers interested in the areas of data science and artificial intelligence, as these are applied to the various facets of medical care and medical research.

---

### Guest Editors

Dr. Nadav Rappoport  
Prof. Dr. Yuval Shahar  
Dr. Hyojung Paik

---

### Deadline for manuscript submissions

closed (20 October 2023)



## Big Data and Cognitive Computing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.4  
CiteScore 9.8



[mdpi.com/si/71104](https://mdpi.com/si/71104)

*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**





# 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)