

# Topical Collection

## Data Science

### Message from the Collection Editors

The topic collection Data Science has helped us to develop interdisciplinary linkages between the computer, statistics, mathematics, information and intelligence sciences, and it has fostered cross-domain interactions between academia and industry for data science and big data analytics. This topic collection welcomes contributions related, but not limited, to the following topics of interest:

- Data science and analytical methods;
- The machine learning foundations of data science;
- Infrastructures, tools and systems focusing on data processing and analytics;
- Real-world data science applications and case studies;
- Learning from data with domain knowledge;
- Emerging data science applications;
- Human-centric data science;
- Data science for the next digital frontier (telecommunications and 5G, predictive maintenance, sustainability and the environment, etc.);
- Systems for practical applications of data science, data analytics and applied machine learning, demonstrating real-world impact;
- Solutions or advances towards understanding the issues related to deploying data science technologies/solutions in the real world;
- Processes and Methodologies related to Data Science.

---

### Collection Editors

Prof. Dr. Kamran Munir

Prof. Dr. José Raúl Romero

Prof. Dr. Khalid Hafeez

---



## Encyclopedia

an Open Access Journal  
by MDPI



[mdpi.com/si/118134](https://mdpi.com/si/118134)

*Encyclopedia*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[encyclopedia@mdpi.com](mailto:encyclopedia@mdpi.com)

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





# Encyclopedia

---

an Open Access Journal  
by MDPI



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



## About the Journal

### Message from the Editor-in-Chief

---

#### Editor-in-Chief

Prof. Dr. Raffaele Barretta

Department of Structures for Engineering and Architecture, University  
of Naples Federico II, 80125 Naples, Italy

---

#### Author Benefits

##### Open Access:

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

##### Rapid Publication:

manuscripts are peer-reviewed and a first decision is  
provided to authors approximately 26.9 days after  
submission; acceptance to publication is undertaken in 4.5  
days (median values for papers published in this journal in  
the first half of 2025).

##### Recognition of Reviewers:

APC discount vouchers, optional signed peer review and  
reviewer names are published annually in the journal.