



Call for Contributions

A Special Issue of Journal of Data Science on High-Dimensional Time Series Analysis

Deadline: September 30, 2022

Journal of Data Science (<http://jds-online.org>) invites submissions for a special issue on “High-Dimensional Time Series Analysis.” Data science is an interdisciplinary research field utilizing scientific methods to facilitate knowledge and insights from structured and unstructured data across a broad range of domains. High-dimensional time series, such as vector/matrix/tensor-valued temporal data, spatio-temporal data, and dynamic network data, is one of the most common types of big data and can be found in many fields. This special issue is dedicated to the advances in high-dimensional time series under the broad umbrella of data science.

The contributions can be from any branch of data science or related fields (e.g., mathematics, statistics, economics, business, computer science, engineering, social science, biology, and health science). Example topics include but are not limited to 1) models and methods for high-dimensional time series motivated by real applications; 2) computing algorithms for massive time series data; 3) practical applications leading to new domain science discoveries; 4) reviews of classic or emerging research in this field. Cutting-edge researches in big data, visualization, machine learning, and artificial intelligence are welcome as well as classic methodological and applied works.

The contributions can target any of our newly opened sections (Philosophies of Data Science; Statistical Data Science; Computing in Data Science; Data Science in Action; Data Science Review; Education in Data Science) or beyond, of time-sensitivity or lasting impact. All submitted manuscripts must contain original unpublished work that is not being considered for publication elsewhere. Submitted manuscripts will go through a regular, fast (**4–6 weeks**) review process. Accepted manuscripts will be published online immediately. To submit, please visit <https://www.e-publications.org/ruc/sbs/JDS/login> and mention the special issue in a cover letter.

Since 2003, Journal of Data Science has published research works on a wide range of topics that involve understanding and making effective use of field data. The journal has been reformed since July 2020 to better serve the data science community in the era of data science. Attractive features of the journal are completely free access, fast review, and reproducible data science. We look forward to receiving your submissions.

Guest Editors:

- Shiqing Ling, Department of Mathematics, Hong Kong University of Science and Technology
- Elynn Chen, Stern School of Business, New York University
- Rui Huang, Department of Finance and Insurance, Nanjing University
- Yao Zheng, Department of Statistics, University of Connecticut