



Call for Contributions:

Special Issue of Journal of Data Science on Advances in Network Data Science

Deadline: March 31, 2022

Journal of Data Science (<http://jds-online.org>) invites submissions for a special issue on “Advances in Network Data Science.” 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. Network data (physical or virtual, static or temporal) are proliferating in many fields, and network data analyses have become a burgeoning research in the data science community. This special issue is dedicated to the integration of data science and network analysis. Example topics include but are not limited to 1) models and methods for networks motivated by real applications; 2) computing algorithms for massive network data; 3) practical applications leading to new domain science discoveries; 4) reviews of classic or emerging network research.

The contributions can be from any branch of data science or related fields (e.g., mathematics, statistics, epidemiology, economics, computer science, and social science). The topics from the field of network analysis include but not limited to community detection, information diffusion, spatial and temporal patterns, missing data problems and inference, network topology, and multi-layer networks, with applications of all kinds of networks (e.g., biological networks, economic networks, neural networks, the Internet, World Wide Web, and social networks). 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 All submitted manuscripts must contain original unpublished work that is not being considered for publication elsewhere.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. The deadline has been extended to March 31, 2022.

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:

- Yuguo Chen, Department of Statistics, University of Illinois at Urbana-Champaign
- Daniel Sewell, Department of Biostatistics, University of Iowa
- Panpan Zhang, Department of Biostatistics, Epidemiology and Informatics, University of Pennsylvania
- Xuening Zhu, School of Data Science, Fudan University