

Call for Papers: Special Issue

“Big Data and Secondary Database Analysis”

Big data and secondary database analysis have become prominent trends in international academic research in recent years. In response to these developments, the journal plans to publish a special issue devoted to this topic. The special issue aims to strengthen the journal’s research capacity and facilitate the dissemination and exchange of scholarly knowledge in this field.

Many existing studies using big data and databases remain limited to cross-sectional designs or analyses focusing on a single dimension. Such approaches may not adequately capture the diverse characteristics and empirical findings generated by rapidly expanding information resources and large-scale longitudinal datasets. More comprehensive research is therefore needed to provide well-grounded policy recommendations, identify trends in professional practice, and contribute to theoretical development.

This special issue invites scholars to deepen the analysis of issues related to big data and the development of secondary databases. Topics may include the foundations of big data and database construction, research methodologies, procedures for database development, challenges associated with big data and databases, and future development trends. By bringing together theoretical, methodological, and empirical research on data science and database construction, this special issue seeks to respond to the needs of social science research and emerging trends in international scholarship.

Submissions addressing the following five areas are particularly welcome. These areas are not mutually exclusive, and studies integrating multiple themes are strongly encouraged.

1. Methodological Reviews of Big Data and Databases in Education

Reviews and critical analyses of methodologies for constructing educational databases, as well as big data research drawing upon such databases. Relevant disciplines may include the sociology of education, educational administration, educational psychology, educational statistics, educational policy, and other related fields.

2. Empirical Research on Big Data and Databases in Education

Empirical studies using big data and databases in education, including domestic or international longitudinal studies, long-term follow-up studies, and studies analyzing large-scale datasets generated through the continued development and use of educational databases.

3. Construction, Challenges, and Development Trends of Educational Databases

Studies examining the procedures involved in constructing educational databases, key considerations in database development, major challenges encountered in the establishment of domestic and international databases, and important trends in their future development.

4. Models, Data Mining, and Applications of Big Data Research in Education

Studies concerning analytical models applicable to educational big data, including models used in meta-analysis, multilevel modeling, and longitudinal analysis, as well as text mining, bibliometric analysis, and policy applications of educational big data.

5. Issues and Development Trends in Educational Big Data Research

Studies examining challenges arising from educational big data research, emerging research issues, and future trends in educational big data analysis, including developments in research methodologies, data analysis techniques, and research topics.

The special issue welcomes quantitative, qualitative, and mixed-methods studies. Systematic literature reviews, integrative research, theoretical studies on database construction, and rigorous empirical or critical papers are also encouraged. Both locally focused studies and international comparative research are welcome. Manuscripts may be submitted in either Chinese or English.

Submission Period: From the date of this announcement through April 30, 2027.

Sincerely,

張芳全

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