

RESEARCH IDEAS FOR THE JOURNAL OF MANAGEMENT INFORMATION AND DECISION SCIENCES

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Journal of Management Information and Decision Sciences (JMIDS) is a highly reputable open access journal that is affiliated with the Allied Business Academies. JMIDS was inaugurated in 1998, and 2017 marks the 20th Anniversary of the journal. Consequently, JMIDS will publish a 20th Anniversary special issue, indicated as 20(A), as a single volume in 2017. The journal focuses on disseminating the latest discoveries and innovations comprising theoretical, conceptual and empirical research in Information Systems, Decision Sciences, and cognate disciplines.

Recent and innovative research in the fields of management information systems and decision sciences, and their roles in scientific and professional decision making, as well interactions with cognate disciplines, including Economics, Finance, Management, Management Science, Marketing, Statistics, Operations Research, and Engineering, are directed\ly relevant for academics, researchers and practitioners alike.

JMIDS also caters to the needs of leading business executives and management who are actively involved in management, strategic and scientific decision making. The journal seeks academically rigorous papers that will appeal to theoreticians and also have direct relevance to policy makers and practitioners in management information and decision sciences.

Contributions that use rigorous analytical, mathematical and statistical methods based on panel data, cross section data, time series data, simulated numerical data, or case study data, in the empirical testing of theoretical models arising from management information and decision sciences, are strongly encouraged. Case studies that will enable portability of the findings in management information and decision sciences to academic, theoretical and practical research within the discipline, as well as across cognate disciplines, are also of serious interest.

JMIDS encompasses a wide spectrum of innovative topics in the disciplines of management information and decision sciences, and cognate disciplines that include, but are not restricted to, the following:

- Economics
- Finance
- Management
- Management Science
- Marketing
- Accounting Research
- Quantitative Methods
- Time Series Analysis
- Cross Section Data Analysis
- Dynamic Panel Data Models
- Statistics
- Mathematics
- Operations Research
- Engineering.

Published articles in JMIDS have covered, but have not been restricted to, the following topics:

- Sustainable Supply Chain Management
- Collective Decision Making
- Multi-Attribute Utility Theory
- Information System and Decision Making
- Fuzzy Models of Decision Making
- Integer and Binary Programming
- Linear Programming,
- Quadratic Programming
- Markov Processes
- Mathematical Programming
- Multi-Tier Supply Chain Management
- Dynamic and Naturalistic Decision Making
- General Decision Making
- Applications of Decision Aids
- Behavioural Aspects of Decision Making
- International Decision Making
- North American Decision Making Framework
- Resource Dependence Theory
- Environmental Management Systems
- Marketing Information Systems
- Financial Decision Making
- Financial Risk Analysis
- Financial Risk Management
- Economic Decision Making
- Financial Econometrics
- Energy Economics
- Energy Finance
- Renewable and Sustainable Energy
- Carbon Emissions
- Operations Research
- Engineering
- Financial Engineering

RESEARCH AREAS OF INTEREST TO JMIDS

Some research areas of significant academic, theoretical, practical and public policy interest that are of substantial interest to JMIDS include, but are not restricted to, the following:

- Information must be collected before it can be used to make sensible and optimal managerial and scientific decisions. Information in the sense of data can be

collected in many different ways, including panel cross section, time series, numerical, and from case studies. This naturally leads to considerations of Big Data, which is a growing phenomenon, and needs to be understood clearly and carefully before achieving optimal development strategies based on managerial and decision science theory.

- Big Data can be defined as involving two components, the first of which is Computer Software. Data sets can be so complex that standard computer software for dealing with them are inadequate. Consequently, new computer software and hardware facilities, such as increasing the size of memory on computer software, faster computers, expanding the capacity of standard commercial software, bootstrap methods, numerical calculation, and optimal subsampling algorithms, need to be developed.
- The second component in the analysis of Big Data is the use of Data Analytics that require novel and advanced techniques for purposes of processing, locating, searching, discovering, capturing, checking, storing, updating, protecting, retrieving, sending, sharing, transferring, receiving, extracting, estimating, modelling, evaluating, and predicting Big Data.
- The application of innovative developments in computer software and data analytics are especially important for analysing and testing theoretical models and approaches in management information and decisions sciences. Data can arise from panels, cross sections, time series, numerical analysis, and case studies need to be understood. Big data issues arising from such data sources, especially countably finite but exhaustive data sets that can be downloaded from the internet, need to be understood and managed sensibly and carefully. The interactions between the availability of information for managerial and scientific decisions are reached have never been more daunting or challenging.

SUMMARY AND INVITATION

As can be seen from the above suggestions, there are numerous possible research topics that arise from the disciplines of managerial information and decision sciences, and numerous cognate disciplines, that can be applied to analyse important and critical issues related to the topical issues published in JMIDS.

The journal is confident that academics, researchers, advanced graduate students, practitioners and policy makers can create, develop, establish and use many more exciting research topics that use a wide range of possible data options to estimate and test academic and intellectual theories, and evaluate empirical regularities and practical case studies in management information and decision sciences.

The editorial staffs at JMIDS hopes that these and other important areas of research in management information and decision sciences, and cognate disciplines, will attract interesting, high quality, innovative and challenging submissions.

ACKNOWLEDGMENTS

It is a genuine challenge, and an honour and pleasure for the four co-editorialists to have been appointed the Co-Editor-in-Chief, Chair of the Editorial Board, Co-Editor-in-Chief, and Editor-in-Chief, respectively, of the Journal of Management Information and Decision Sciences (JMIDS).

We look forward to working with the active and vibrant members of the International Advisory Board, Editorial Board, extensive reviewing panels, and contributors to make JMIDS an accessible and leading outlet for high quality academic, theoretical, and practical research in all areas of management information and decision sciences, and their relationships to cognate disciplines. For financial support, the authors wish to thank the National Science Council, Ministry of Science and Technology (MOST), Taiwan, and the Australian Research Council.

The Editors
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