Special Issue

Applications of Quantitative Methods in Business and Economics Research

Message from the Guest Editor

Data we traditionally use in our empirical research comes from sources such as surveys, polls, questionnaires, databases, etc. However, the development of information and communication technologies and the increasing connection of things with the Internet generate an amazingly huge amount of both structured and unstructured data every minute. But the data does not say anything by itself, it does not add value. Raw data needs to be processed, treated, and analyzed using mathematical, statistical, econometric, and/or computational methods to extract the real value, knowledge. This will allow researchers and professionals to obtain substantial improvements in the processes they are engaged in. In summary, the use of quantitative methods in economics and business research helps to understand the socio-economic and business systems, either by creating new models or improving existing ones. In this sense, for example, prediction models (based on conventional or new techniques) can be used to support decision-making processes and improve the results of companies and institutions.

Guest Editor

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Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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