# Information Theory in Economics, Finance, and Management

Guest Editor:

**Prof. Dr. Joanna Olbryś**
Faculty of Computer Science,
Bialystok University of
Technology, Wiejska Street 45A,
15-351 Bialystok, Poland

Deadline for manuscript
submissions:
**closed (28 February 2023)**

## Message from the Guest Editor

This Special Issue aims to be a forum for the presentation of information theory applications in economics, finance, and management studies. The original idea of information theory dates back to the fundamental Shannon theory of communication (Shannon, 1948). The topic is very broad; therefore, it consolidates specialists from various disciplines, such as mathematics, physics, econometrics, data science, computer science, etc.

The Special Issue's areas of interest include, but are not limited to, the following wide range of topics:

- Theoretical and experimental studies related to information theory in econophysics.
- Algorithmic information theory.
- Entropy-based applications in economics, finance, and management.
- Entropy optimization approach in economics and finance.
- Complexity in economic and social systems.
- Information theory in fuzzy multiple-criteria decision-making methods.
- Experimental data and time series data analyses in the context of information content, regularity, predictability, and randomness.

Theoretical and empirical contributions addressing any of the aforementioned issues are especially welcome.

mdpi.com/si/112354

# Special Issue

## Editor-in-Chief

**Prof. Dr. Humberto Bustince**
Department of Statistics,
Computer Science and
Mathematics, Public University of
Navarra, 31006 Pamplona, Spain

## Message from the Editor-in-Chief

*Axioms* is dedicated to the foundations (structure and axiomatic basis, in particular) of mathematical theories, not only from a crisp or strictly classical sense, but also from a fuzzy and generalized sense. This includes the more innovative current scientific trends, devoted to discover and solve new challenging problems. The prime goal of *Axioms* is to publish first-class, original research articles under an open access policy with minimal fees for the authors. We would be pleased to welcome you as one of our authors.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.
**High visibility:** indexed within SCIE (Web of Science), dblp, and other databases.
**Journal Rank:** JCR - Q2 (Mathematics, Applied)
**Rapid Publication:** manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.6 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2025).

## Contact Us