

Special Issue

Development of Novel Techniques and Original Applications in the Functional Data Analysis Framework

Message from the Guest Editors

In recent decades, technological progress has led to the development of instruments to gather vast amounts of data, usually recorded at temporal stamps or arriving over time, e.g., data from sensors. For this reason, statistical and IT techniques are needed to process these data appropriately. In the statistical, mathematical, and computer science literature, particularly in the last fifteen years, research in Functional Data Analysis (FDA) has become very lively for dealing with this data type. Research has progressed in many study contexts in recent years, such as supervised and unsupervised classification, regression, outlier detection, and functional time series. However, this research field requires much attention because many developments are still possible. The topics of interest include, but are not limited to: Functional supervised classification; Functional clustering; Smoothing technique; Functional dimensionality reduction; Functional regression; Functional analysis of variance; Functional outliers' detection; Functional time series.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2024)



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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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