

## Special Issue

# Functional Data Analysis and Its Application

### Message from the Guest Editors

Functional data analysis (FDA) is a branch of statistics concerned with the analysis of infinite-dimensional variables such as curves, sets, and images. This Special Issue, "Functional Data Analysis and Its Application", aims to handle the high-dimensional, time-dependent, and irregularly sampled functional data. With the rapid development of sensor technologies and data collection methods, FDA techniques are increasingly applied in finance, biostatistics, engineering, environmental sciences, etc. Hence, this Special Issue also focuses on the application of functional data analysis methods in various fields, including but not limited to climate science, financial forecasting, biostatistics, and environmental science. With the exponential growth of data scales and the increasing demand for adaptive learning frameworks, this Special Issue emphasizes innovations in  $\square$ large-scale FDA $\square$ ,  $\square$ semi-supervised learning $\square$ , and  $\square$ transfer learning $\square$  to address challenges in cross-domain generalization and computational efficiency.

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### Guest Editors

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### Deadline for manuscript submissions

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### 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.

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