Special Issue

Data Mining for Temporal Data Analysis

Message from the Guest Editor

Temporal data in general and times series in particular are ubiquitous in our current world. They are recorded from various sensors in many application domains ranging from bio-informatics, computer vision, natural language processing, ... to medicine, finance or engineering (as a mean to build, for example, smart cities). Contrarily to static data, temporal data are of complex nature, they are generally noisy, of high dimensionality, they may be non-stationary, they may have several invariant domain-dependent factors as time delay, translation, scale or trend effects. These temporal peculiarities pose a challenge to standard statistical models and machine learning approaches, that mainly assume i.i.d data, homoscedasticity, normality of residuals, etc. To tackle such challenging data, we invite our colleagues to submit papers that propose new advanced approaches at the intersection of statistics, time series analysis, signal processing and machine learning.

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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