Special Issue

Recent Advances in Time Series Analysis: Methods, Theory, and Applications

Message from the Guest Editor

Time series analysis plays a key role in understanding the complex dynamics of the data. Demand for such tools arises in a wide range of scientific fields such as finance, engineering, climate, neuroscience, healthcare, etc., which require researchers to infer the trend, uncover hidden patterns, and make informed decisions. Modern applications have imposed contemporary challenges in time analysis, where the data have complex structures and can be high-dimensional, high-volume, non-stationary, non-linear, and non-Gaussian. This Special Issue will spotlight the recent developments in time series analysis. We cordially invite contributions from the perspectives of methodologies, theories, and applications.

Guest Editor

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About the Journal

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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