Spatio-Temporal Statistics and Its Applications

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Message from the Guest Editor

Dear Colleagues,

This Special Issue highlight the latest advancements in spatiotemporal modeling and its applications, which features several key areas of research:

Deep learning advancements in spatiotemporal forecasting, which focuses on the use of deep learning models in spatiotemporal forecasting.

Uncertainty quantification in spatiotemporal predictions, which explores methods for estimating and quantifying uncertainty intervals in spatiotemporal predictions.

Scalable inference for non-Gaussian spatiotemporal models, which allow for efficient estimation and inference even with large-scale datasets.

Causal inference in spatiotemporal modeling, which highlights the integration of causal inference methods with spatiotemporal models.

Online learning approaches in spatiotemporal modeling–real-time adaptability, which focuses on adapting spatiotemporal models in real time as new data become available.

By exploring deep learning, uncertainty quantification, scalable inference, causal inference, and online learning, this Special Issue provides valuable insights into the evolving field of spatiotemporal modeling and its diverse applications.

Special Issue

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Message from the Editor-in-Chief

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