



Recent Advances in Statistical Modeling and Simulations with Applications

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Message from the Guest Editor

Dear Colleagues,

Every application is the result of a simulation process. The simulation process is one of the most important data processing and analysis processes and uses advanced statistical techniques. The main purpose of statistical modeling is to simulate natural complex phenomena, both to analyze them as well as to predict processes in the future. Therefore, the objective of any simulation is to identify the optimal or satisfactory solution to a problem through the operation of a real system. Often, dissatisfaction of the above objectives is due to the complexity of the problem under dig data processes.

Topics of interest for this Special Issue include but are not limited to the following:

- Big data;
- Machine learning;
- Neural networks;
- Image analysis;
- Medical imaging;
- Bayesian statistics;
- Applied statistics;
- Medical statistics;
- Ecology;
- Environmental sciences





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Message from the Editor-in-Chief

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