

*stats*

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## Editor-in-Chief

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## Message from the Editor-in-Chief

This is an era of rapid development of statistical science in the direction of statistical/machine learning and big data analysis. On one hand, we face some of the biggest uncertainties and challenges in human history, including climate change and pandemics. On the other, we are developing the powerful tools of machine learning and artificial intelligence, super computers and cloud computing. Our application areas have also gone beyond the usual realm, as social network analysis, omics studies, imaging studies, multi-disciplinary research and globalized commerce become increasingly mainstream, generating new data and analysis demands. The statistics community has risen to the challenge by morphing into a new **data science** discipline, which is in essence a fusion of statistical science and computer science. Our students are also encouraged to learn from other disciplines, both natural and human-centered sciences, to become the new generation of data scientists. In keeping up with time and tradition, our journal is emphasizing both classical statistics and modern data science, plus all application areas central to humanity, society and science.

## Author Benefits



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## Aims and Scope

*Stats* (ISSN 2571-905X) is an international, open access journal on statistical science. Our aim is to encourage scientists to publish interesting and novel contributions on the development of new methodologies and theoretical results in statistics and statistical learning, as well as related innovative applications in all scientific disciplines.

The scope of *Stats* includes:

Statistical methodology and theoretical results, including, but not limited to:

statistical inference  
statistical learning/  
machine learning  
(supervised, unsupervised  
and reinforcement  
learning)  
stochastic processes  
multivariate analysis  
design of experiments  
linear and non-linear  
models  
network analysis  
sampling theory

re-sampling methods  
time series analysis  
spatial analysis  
survival analysis  
missing data analysis  
non-parametric and  
semi-parametric  
statistics  
imaging analysis  
text mining  
risk theory, quantitative  
finance, etc.

Applications of statistics, including, but not limited to:

Biology, bioinformatics,  
health  
demography, sociology,  
linguistics, psychology  
geography, oceanography  
and atmospheric sciences

physics and astronomy  
economics and finance  
education  
engineering  
other scientific disciplines

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