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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.

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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	re-sampling methods
statistical learning/ machine learning (supervised, unsupervised and reinforcement learning)	time series analysis
stochastic processes	spatial analysis
multivariate analysis	survival analysis
design of experiments	missing data analysis
linear and non-linear models	non-parametric and semi-parametric statistics
network analysis	imaging analysis
sampling theory	text mining
	risk theory, quantitative finance, etc.

Applications of statistics, including, but not limited to:

Biology, bioinformatics, health	physics and astronomy
demography, sociology, linguistics, psychology	economics and finance
geography, oceanography and atmospheric sciences	education
	engineering
	other scientific disciplines

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