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Number Theoretic Methods in Statistics: Theory and Applications

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Message from the Guest Editors

Number-theoretic methods (NTM) or quasi-Monte Carlo methods have played an important role in numerical integration in high dimensions, statistical inference, and experimental design, as well as having applications in engineering, biology, economics, and data science. This Special Issue will collate recent developments in NTM and its applications, including various kinds of representative points of distribution for statistical inference and resampling, including bootstrap.

Deadline for manuscript submissions:

31 December 2024



mdpi.com/si/205109

Special Issue



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Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

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