



Special Issue on Probability and Mathematical Statistics

Call for Papers

Probability is the measure of the likelihood that an event will occur. Probability is quantified as a number between 0 and 1, where, loosely speaking, 0 indicates impossibility and 1 indicates certainty. The higher the probability of an event, the more likely it is that the event will occur. Central subjects in probability theory include discrete and continuous random variables, probability distributions, and stochastic processes, which provide mathematical abstractions of non-deterministic or uncertain processes or measured quantities that may either be single occurrences or evolve over time in a random fashion. As a mathematical foundation for statistics, probability theory is essential to many human activities that involve quantitative analysis of data. Methods of probability theory also apply to descriptions of complex systems given only partial knowledge of their state, as in statistical mechanics.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on **Probability and Mathematical Statistics**. Potential topics include, but are not limited to:

- Random variables and probability distributions
- Properties of estimates
- Logic of uncertainty
- Probability and stochastic processes
- Bayesian estimation and probability
- Probability and complex systems
- Probability for markov chains
- Central limit theorem

Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly notice that the “**Special Issue**” under your manuscript title is supposed to be specified and the research field “**Special Issue – Probability and Mathematical Statistics**” should be chosen during your submission.

According to the following timetable:

Submission Deadline	October 2nd, 2020
Publication Date	December 2020

For publishing inquiries, please feel free to contact the Editorial Assistant at



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