

Review of: "Subjective Probability Theory for Decision Making"

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Potential competing interests: No potential competing interests to declare.

The paper discusses the concept of subjective probability and its application in decision-making under uncertainty. It addresses the St. Petersburg paradox and other apparent violations of expected utility theory, arguing that these paradoxes arise from unwarranted mathematical liberties. Detailed comments are listed as follows.

1. First, authors should improve its clarity and readability. Some sections are quite dense and may be difficult for readers who are not familiar with the subject matter.
2. It argues that the use of subjective probabilities and de Finetti price functions can reconcile apparent inconsistencies in expected utility theory. However, it does not provide specific quantitative results or performance metrics to support its goals.
3. The discussion on the St. Petersburg paradox and other apparent violations of expected utility theory could be more detailed. A deeper analysis of these paradoxes and how the proposed methodology addresses them would strengthen authors' arguments.
4. It is suggested to provide more concrete examples or case studies to illustrate the application of its proposed methodology.
5. Authors fail to provide a clear and concise summary of its weaknesses, which could make it difficult for readers to understand the limitations of the presented theories and methods.