

Review of: "Subjective Probability Theory for Decision Making"

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I do not find anything wrong in the article, but I think that the author should clearly state what is new, what is his contribution. As far as I understood the constructions are well known in the literature. I think I have spotted a couple of typos and things that do not look coherent. Below I list these.

- 1. After the definition of a simple bet the author denotes its price by P(E). A couple of paragraphs later the author defines a price function, and denotes it P(E). If I understand correctly these are different objects, though.
- 2. In the proof of Theorem 1 a set G, which is not defined, appears and then appears twice towards the end of the proof.
- 3. In the definition of a finitely generated random variable the author uses index j, while the statement is about index k.
- 4. Just before theorem 2 there is a confusing looking formula where the author uses E to denote a set/event as well as the expectation operator.
- 5. In the beginning of section 5 the author claims that utility of money has not been invoked in the discussion of risk and risk aversion. But there is no discussion about risk in the previous sections.
- 6. When dealing with Kolmogorov probability and St. Peterburg (should be Petersburg) paradox there is a really long and difficult to understand sentence starting "It is perfectly consistent...".
- 7. I did not understand how the constructions in the previous sections actually solve or help to understand the St.

 Petersburg paradox. I think that the author hints at something like hypothesis testing and Bayesian updating. I wonder if he has in mind something like what is in Jaynes: Probability theory: The logic of science in chapter 4.

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