Report on the MS No. entropy-1983446

In this manuscript, the authors study decision problems in the context of Dempster-Shafer theory of evidence by proposing a new method to obtain a decision rule based on a basic probability assignment. Then, they present several numerical examples and compare the proposed method with other well-known methods. The manuscript is interesting and well-written. In the following I will give some suggestions to further improve it.

1. Line 12, I suggest to write "the consistency of the upper and lower boundaries of each proposition". I suggest not to use expressions like "proposition's" as done also in line 61, for example. Change also in line 217 about "method's" and in line 231 about "methods' ".

2. The period in lines 44-47 is not so much clear, I suggest to reformulate it.

3. Line 68, I suggest to delete "in this study" (it is a repetition) and write "The main question considered is how to construct...".

4. There are several cases in which you need an additional space. Some of them are listed here but I suggest to check for other occurrences: line 99, line 177, just below line 207, line 225, line 253, line 256.

5. Line 101, I suggest to delete "For $\forall A \subseteq \Theta$".

6. I suggest to properly add a point or a comma at the end of centered equations.

7. Line 144, I suggest to write "is Euler's number" instead of "is a natural constant".

8. Lines 172 and 175, move the comma in the preceding line.

9. I suggest to reformulate the periods in lines 185-187 and 195-197 as propositions.

10. Line 190, write "there exists $Z \in [0,1]$ so that" instead of "if there exists $\forall Z \in [0,1]$ so that".

11. Please, clarify the notation about $Nm'(\cdot)$. For example in page 10 you have $Nm'(\theta_1, \theta_2)$ but also $Nm(\theta_1, \theta_3)'$.

12. In the last and in the third last centered equations in page 10 and in the second one in page 11, you have some commas to delete.

13. Line 231, I suggest to write "of the method proposed in this paper" instead of "of the proposed paper method".

Based on the above considerations, I think the manuscript needs a minor revision in order to be accepted for publication.