

Review of: "A Probability-Based Algorithm for Evaluating Climbing Difficulty Grades"

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Potential competing interests: No potential competing interests to declare.

I present my comments as follows:

1. Improve the abstract part. Please add some information from the results of your present study.

2. Express the purpose of the present research in a summary.

3. What is the originality of the current study and the identified research gap?

4. Use the following references in Part 1 (Introduction) and Part 2 (Methodology).

<https://doi.org/10.2166/ws.2020.279>

<https://doi.org/10.2166/ws.2022.127>

<https://doi.org/10.2166/wst.2023.108>

<https://doi.org/10.1007/s11356-023-27388-1>

5. The last paragraph of the introduction (the article on innovation) is not well written. Also, explain the difference between research and other studies by researchers.

6. The English language has to be improved.

7. How is the sensitivity analysis done?

8. The Materials and Methods section is long. It should be presented briefly.

9. Explain the method of sensitivity analysis.

10. The number of run models in the present study should be presented in the conclusion section.