

# ***Interactive comment on “Classification and susceptibility assessment of debris flow based on a semi-quantitative method combining of the fuzzy C-means algorithm, factor analysis and efficacy coefficient” by Zhu Liang et al.***

**Zhu Liang et al.**

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First of all, thank you for your approval of this paper and suggestions for amendments. Below I will answer the questions you have pointed out one by one. As you have suggested, the flow chart of the three methods is given in the third chapter of this article. The author then tried to give a flowchart of the entire research process to help readers better understand. Of course, there are deficiencies, and we will further modify them. There are indeed many algorithms, formulas, and steps involved in this chapter on methodology. After our discussion, we can indeed add references

to reduce the length of the article. We have consulted related literatures, and most researchers only analyze in detail some special, difficult to understand or rarely used impact factors. Of course, there are some studies to analyze all factors. After our discussion, this part of the content can also be streamlined. We agree with you that there is too much space in the formula. After our discussion, only some important formulas are analyzed. We will focus on revising the conclusion section to highlight the innovations and results of the article. Thank you again for the suggestion.

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