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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.

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Dear authorïijŽ The manuscript is based on the combination of fuzzy c-means algorithm, factor analysis and efficiency coefficient for debris flow classification and sensitivity analysis. It is innovative and referential to take factor analysis as the connection point of debris flow classification and sensitivity evaluation. However, it is not clearly stated in your conclusion. It is recommended to add relevant explanations to enhance the readability and persuasiveness of the article. In addition, the language expression in the article is slightly embarrassing, such as line 57, line111, line 122, line 361, line

326, line 356 and line 344. There are also problems with diagrams, such as figure 6 and figure 8 on line 285. Finally, in terms of the structure of the paper, relevant references should be added to the discussion section for comparison.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., https://doi.org/10.5194/nhess-2020-5, 2020.