

## ***Interactive comment on “Weight analysis of dam break risk consequences influencing factors” by Zongkun Li et al.***

### **Anonymous Referee #1**

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This paper describes a study on the weight analysis of dam break risk consequences influencing factors. The topic is relevant to the journal and of interest to the readers. However, the paper has some issues to be resolved: 1) Please clarify the factors with more information. For example, what is flood intensity? What are the comprehensive abilities of water environment, soil environment and social carrying capacity? 2) Related to Point 1, how are these factors measured (or estimated)? 3) The study has classified the factors into hazards, exposure and vulnerability. Does it matter if a factor is wrongly classified into a category? Please explain its reason. 4) How could the results be validated? 5) There are some other studies on influential factors (such as “Calculation method and application of loss of life caused by dam break in China”, *Nature Hazards* (2017) 85:39-57, Huang et al., DOI 10.1007/s11069-016-2557-9). Please

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discuss your results with the published ones. 6) Please discuss why this study is useful to the stakeholders (e.g., local government, local communities), and how they could use the information.

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Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2018-265>, 2018.

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