

## ***Interactive comment on “Incorporating multi-source remote sensing in the detection of earthquake-damaged buildings based on logistic regression modelling” by Qiang Li et al.***

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In this paper, a method of building damage extraction based on multi-source remote sensing data is proposed and applied to Beichuan area, which is a good innovation. The paper is technically fair and the topic is relevant for the journal. However, there are also some issues that need to be revised: 1. In the abstract part, the author introduces the application of single source data in the extraction of seismic damage information. As far as I know, many scholars have also begun to study the methods of extracting information from images by fusion of two or more types of data. It is suggested that the author supplement and supplement relevant references. 2. In the part of datasets

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introduction, it is suggested that the author take the form of table, which can be more intuitive. 3. The author analyzes the characteristics of different buildings and adopts the object analysis method, so how does the author obtain the image object and what is the segmentation method adopted? It is suggested that the author should supplement it in the original text 4. The logical regression method used in this paper is a statistical analysis method, so samples are needed. Please elaborate the principles and methods of sample selection. 5. What is the method of feature selection? It is suggested to add a detailed description. 6. What does the table mean in “The initial decision table is formed by the random sampling of a 10% table.” 7. In Figure 8. The ELE is missing. 8. In Fig. 7 and Fig. 8, the abbreviations are used, while in Fig. 6, P1-P4 is used, so it is recommended to be unified. 9. There are some references with different formats

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