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Natural Hazards and Earth System Sciences
Discussions

Interactive comment on "Application and prospect of high-resolution remote sensing and geo-information system in estimating earthquake casualties" *by* T. Feng et al.

Anonymous Referee #1

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General Review:

Recently, earthquake causing enormous casualties happened frequently. Earthquake relief is a very complicated work that involves a series process. Among these processes, the number of casualties and its change are very significant, especially to our medical emergency staff. This manuscript is a practice of multidisciplinary collaboration, explores the application of information techniques in earthquake relief and proposes a primary solution. The standpoint of this paper is the requirement of medicine, which will rich the content of disaster medicine.

Comments:

The title and abstract clearly reïňĆect the content of the manuscript accurately. In the first part, this manuscript introduced the seriously situation of earthquake hazard, and focus two critical problems. The method described in the second part integrated techniques and construct the mathematical model to extract information. The method was proved by 3 real cases and compared with other methods. The conclusions can basically be supported by the results. The mathematical formulas and symbols are correctly deïňĄned and used. If the more discussion about how to extent this method to the medical emergency and combine it to the existing rescue system, more effective activity can intervene into the earthquake relief.

The results of this study are interesting and may eventually deserve publication in NHESS. Before publication, however, some problems regarding grammar, punctuation, and spelling should be corrected, such as,

in the page of 7141, the sentence from line 10 to 15,

in the page of 7161, the word in table 3,

in the page of 7164, the captain of figure 3.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 1, 7137, 2013.