

# ***Interactive comment on* “Quantification of uncertainty in rapid estimation of earthquake fatalities based on scenario analysis” by Xiaoxue Zhang et al.**

**A. J. Kettner (Editor)**

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Dear Zhang, co-authors,

The work you describe in “Quantification of uncertainty in rapid estimation of earthquake fatalities based on scenario analysis” touches upon an important topic, assessing the quality of estimations of earthquake fatalities soon after such an event. To do so the study proposes to use a model that is based on basic earthquake emergency scenarios. However, much progress has been made in recent years and I agree with the reviewers, that the study is lacking to incorporate more modern used rapid earthquake impact assessment methods, that are more refined and enriched by incorporating local

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obtained information. The authors might have deliberately chosen not to incorporate these more modern assessment methods but then should have provided a thorough reasoning for not doing so and highlight what makes their presented model more advanced against these modern assessment methods. Without this the study is less innovative and as such doesn't contribute to significant new scientific insights.

Best regards, Albert Kettner Guest editor special issue NHESS

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