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Interactive comment on "Risk assessment of liquefaction-induced hazards using Bayesian network based on standard penetration test data" *by* Xiao-Wei Tang et al.

Anonymous Referee #2

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This paper deals with the development and the applicability of a Bayesian Network-based approach to assess soil liquefaction-induced hazards. The approach is interesting, and the subject fits into the scope of the journal. However, the current status of the submission does not permit a detailed review of this paper at this stage. This is mostly related to the fact that although the paper is readable, the language of the article is highly imprecise and generally confusing over large passages. The introductory section should be rearranged and shortened, also merging Section 2 with the introduction. This would avoid several repetitions in the text. Additionally, the data used in this study should be described in more detail, supported by suitable figures, statistics and graphs. It is hard for the reader to verify the results of the analysis as described in the

text since insufficient information on data properties and analysis results are provided. The Figures (especially Figure 9) are of inacceptable quality.

I would recommend the authors to substantially rework their paper in terms of the English language used, having a native speaker spell-checked the article before re-submission. Additionally, the authors should better describe the data they've used and the results of the analysis. When successfully resubmitted, the article can be reviewed in more detail.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., https://doi.org/10.5194/nhess-2017-80, 2017.