Geoscientific
Model Development
Discussions

Interactive comment on "LAND-SE: a software for landslide statistically-based susceptibility zonation, Version 1.0" *by* M. Rossi and P. Reichenbach

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The paper is well structured and quite innovative in integrating various statistical analysis and converting landslide technical terms and physical parameters through computer programing into landslide susceptibility assessment software. The authors defined the Landslide Susceptibility terminology well and took advantage of their comprehensive literature review to address those parameters which are influential for landslide occurrence. However there are some minor errors and technical corrections especially in the figures which need to be revised in their paper:

In the Abstract, Page1-Line9: While the author is going to introduce "Landslide susceptibility" with the abbreviation of "LS", it is recommended to be more specific about the

topic by using "Assessment or Evaluation" terms like: Susceptibility (LS) assessment provides..." or "...Landslide Susceptibility (LS) evaluation provides..."

In the Abstract, Page1-Line9: The definition of "Landslide susceptibility": "... an estimate of the landslide spatial occurrence based on..." it is better to change to "... a relative estimation of the landslide spatial occurrence based on..."

In the Abstract, Page1-Line11 to 13: Due to the repetition of these two sentences in the beginning of the introduction, this should be paraphrased in the Abstract

Figure 2: there is some simple cartography revision which is needed for this map including adding a legend and a scale, and showing different types of landslides base on the Varnes-1984 classification.

Figure 6 & Figure 7; at the bottom scale bar, labeling of "Susceptibility" is missed for the susceptibility scale bar.

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