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Natural Hazards and Earth System Sciences
Discussions

Interactive comment on "Landslide susceptibility assessment based on different machine-learning methods in Zhaoping County of eastern Guangxi" *by* Chunfang Kong et al.

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There are some problems we want to discuss with you: 1.What is your research question? Can you really claim in 2020 that the aim of the research was to compare algorithms and their respective performance? How many articles are out there with the exact same question and structure and plots? This field of geomorphology has become an empty shell with no research question whatsoever other than let's measure the delta AUC and let's see how many decimal places down the line, we can claim a model to be better than the other. 2.there are hundreds of articles published every year on model comparison. They are all equally vague and they equally do not provide any practical

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Discussion paper

solution to a real problem. To prove this statement to you, I would suggest you to search on Scopus using the following keywords: "Landslide susceptibility", "comparison" (and possibly "ensemble"). All the articles will have the same structure, similar results and similar conclusions as those in the present manuscript. To me, this looks more like a technical report rather than a scientific contribution of relevance, sorry. 3.The sampling strategy There is obvious non-parallel data between landslide point and non-landslide point (1:6). How to avoid machine learning preference?

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