Natural Hazards and Earth System Sciences Discussions

Nat. Hazards Earth Syst. Sci. Discuss., community comment CC5
https://doi.org/10.5194/nhess-2022-90-CC5, 2022

Reply on CC4

Fahim Sufi

Community comment on "A Scenario-based Case Study: AI to analyse casualties from landslides in Chittagong Metropolitan Area, Bangladesh" by Fahim Sufi et al., Nat. Hazards Earth Syst. Sci. Discuss., https://doi.org/10.5194/nhess-2022-90-CC5, 2022

Many thanks for your interest in our paper. The methods described in this paper can be applied to other disaster databases (i.e., for any disaster types, for any location). As seen from Figure 6 of this paper, the process starts with obtaining the required data from a data store (i.e., Chittagong Metropolitan Area Landslide Data). After obtaining the data from the data store, Transformation, Decomposition Analysis, Regression Analysis are performed for generating the aggregated results.
This data store could be replaced with any other data stores, be it of other disaster types (e.g., earthquake, flood, cyclone, bushfire etc.), or of other locations of landslide incidence (e.g., e.g., Loess Plateau in China). When Transformation, Decomposition Analysis, and Regression Analysis are performed on the new data sets, AI driven insights are generated for those specific records. Hence, the external validity of the proposed experimentation is very high.
We will be more than happy to add these explanations in the discussion part of our updated manuscript. Again, many thanks for your interest in our paper. Please feel free to let me know if you have any suggestions or if you require any clarifications on this paper.