Comment on nhess-2021-299

Anonymous Referee #2

Referee comment on "Assessing the importance of conditioning factor selection in landslide susceptibility for the province of Belluno (region of Veneto, northeastern Italy)" by Sansar Raj Meena et al., Nat. Hazards Earth Syst. Sci. Discuss., https://doi.org/10.5194/nhess-2021-299-RC2, 2021

I have gone through the manuscript and found that the quality of work is very good and applied. I have some observation needs to be correct before its goes to final publication.

1. The words features and factors are used interchangeably in the paper. Better to stick to one word.
2. Definition between pre and post predictions are not clear. Making it difficult to read and understand the context sometimes.
3. An image of the affected area for example could be very insightful to comment on the extent of the damage over the area.
4. Scale of the maps that are taken into the experimentation are missing.
5. Explanation of the methodology can be better, especially the starting paragraph.
6. The mapping units are not defined as of yet, which must be mentioned.
7. Better explanation of the models is required, mostly in the case of LSM and how these models learn and predict using the models for LSM.
8. The reasoning for 0.3 as the threshold must be reasoned better.
9. Graph axes have no labels.
10. No definition of training and testing datasets for model prediction. Need a section for that.