Hamburg, 15 September, 2022

Dear Editors,

Dear Vitor and dear Philip,

In our final check of the proof for our paper nhess-2021-389, we discovered that we had not updated Table 2 during our writing process. In this table, the second column, labelled "random\_state", numbers are listed, that we did not use in the analysis.

The random variable is used in each ML model, to split the data between the training and testing dataset. As explained in the paper text, this random variable is not fixed, but has been varied using so-called seeds that are used in the random number generator. Therefore, these random values are *NOT* valid anymore.

Our paper states (Page 4, Lines 5-7): "To avoid reporting results that are strongly dependent on the chosen seed, we repeated all calculations with 100 randomly selected seeds." So clearly, we did not use these fixed numbers listed in Table 2.

We therefore ask for permission to remove this column from the table (so: the heading, and the numbers 429, 371, 357, 0, and 419)

We are sorry for this mistake from our side, but hope it is possible to make this important adjustment still at this stage.

Thank you and best wishes,

Laurens Bouwer and Lennart Marien

L. M. B.