Review of: "Flood Prediction Using Artificial Neural Networks: A Case Study in Temerloh, Pahang"

Naser Ebadati[1]

1 Islamic Azad University Islamshahr Branch

Potential competing interests: No potential competing interests to declare.

In presenting a method to be used in other flood-prone areas and to predict future events, the authors of this manuscript should address the variables more comprehensively than the parameters affecting the occurrence of floods. The following points are recommended for further attention: 1- In the last part of the abstract, it is not necessary to provide suggestions and recommendations; instead, the number and percentage of modeling error results should be mentioned, and the innovation of the research should be highlighted. 2- In the first part of the introduction, do not use references that do not have complete specifications and do not have sufficient credibility; instead, try to use sources that are directly related to your subject and the type of modeling in the background of the research, and the continuity between them should be achieved by comparison; Table 1 has helped in this matter. 3- In section 3.1, sufficient data is not provided, and it is necessary to mention all data and the statistical period of meteorology, rainfall, and other details. Here is the data of the basement! The necessary variables for the model are obtained from surface water, and parameters such as the type of bed, the shape of the cross-section of the river, the topographic slope, and the maximum flow of water in a certain period, etc., These things help in the development of the model. 4- In section 3.2, the basic input data in the software to prepare the model should be specified, and general discussion and definitions should be avoided; instead, the evaluation criteria should be revised based on what was mentioned before. Otherwise, modeling and simulation of the flood event will not have enough precision. 5- In Figure 2, the correlation analysis can be completed by adding other flood-related variables. 6- In Figure 5, it is appropriate to insert a maximum of three decimal digits for the numerical value of IOC and remove the extra numbers. 7- In order to better understand the diagrams given in Figure 6, it is recommended to set each one separately, and there is no need to show the screen. 8- In the discussion and results section, it is recommended to compare the presented method with other methods such as hacker software and validate the research. 9- In the conclusion, it is mentioned that the lower the temperature, the higher the probability of flooding and the amount of rainfall has a weak relationship with flooding?!!! One of the main parameters of flooding is the amount of precipitation per unit of time and the hydraulic characteristics of the river. Apart from this research, do you have other sufficient reasons for this issue?? 10- The last part of the conclusion is not necessary, but it is enough to mention the accuracy of the method and its innovation compared to previous research, and the exact output of the model.

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