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

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The paper tries to use an ANN model to predict flood vulnerabilities of a watershed in Pahang. The study is interesting, contemporary, and significantly important in today's world, where the disturbance due to floods is slowly intensifying both in terms of disaster and in terms of life loss. Such types of work need to be encouraged. However, the present paper needs a lot of improvement before it can be suitable for this publication. Following are some of the observations.

My Observations on the Paper

The justification for using Machine Learning in Flood Prediction is not clearly explained in the paper.

Also, details of the ANN model used, like how the parameters of the ANN model were estimated, were not discussed. How have you estimated the number of hidden layers, the type of activation function used from input to hidden and hidden to output, and weight determinations?

RMSE, MSE, R2, etc., measures were used for performance analysis of the model, but metrics like BIAS were not calculated, and the efficiency and uncertainty of the model were not estimated.

What was the weight of the neural network model utilized in this case?

Whether the results from the Neural Network Model were compared with other models ?

The data dependency of the model is also not analysed.

What is the Novelty ?

No information regarding this aspect. In recent times, similar types of papers are extremely common. So what is new in this paper needs to be explained.

Currently, this paper is not suitable for publication.