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

Hao Zhen

Potential competing interests: No potential competing interests to declare.

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

This paper presents a detailed and comprehensive study on flood prediction using machine learning techniques, specifically artificial neural networks (ANN), focusing on the Temerloh district in Pahang, Malaysia.

1. While the ANN model shows promising results, the paper could benefit from a comparison with other machine learning models (e.g., SVM, logistic regression) to contextualize the ANN model's performance within the broader spectrum of available techniques. Only one model is not enough to prove the effectiveness and also the superiority of the proposed method.

2. Besides, the ANN model is not described in detail. How large is the input? What is the dimension of it? How many layers does the ANN model have? What's the hidden size of each layer? A picture to show the structure of the model is preferred.

3. The variable selection process is not clear. The author should provide the detailed candidate variables from the literature review. Only four variables seem not enough. The author could provide a table for the feature selection part with the header: variable, description, reference.