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

Dr. A. Stanley Raj[1]

1 Loyola College

Potential competing interests: No potential competing interests to declare.

1. Can you provide more details about the dataset used for training and testing the machine learning model, such as the sources of data, the time period covered, and any preprocessing steps applied?
2. Based on Fig. 2, regarding the correlation analysis, what statistical methods were employed to determine the relationships between flood occurrence and various environmental factors such as stream flow, water level, rainfall, and temperature?
3. How robust are the findings regarding the factors contributing to flooding? Were sensitivity analyses conducted to assess the impact of different modeling assumptions or data transformations? If so, justify.
4. Can you discuss the potential implications of the identified factors on flood management and mitigation strategies, particularly in the context of decision-making or policy making by relevant authorities?
5. In terms of generalizability, how applicable are the findings and methodologies of this research to other regions prone to flooding, both within Malaysia and globally?
6. Could you elaborate on the limitations mentioned, particularly regarding the constraints of time and data availability, and how these limitations may have impacted the research outcomes and conclusions?