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

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Potential competing interests: No potential competing interests to declare.

Overall, the paper titled "Flood Prediction Using Artificial Neural Networks: A Case Study in Temerloh, Pahang" presents a comprehensive study on flood prediction in a specific region prone to flooding. Here are some points to consider for review:

Title and Abstract: The title clearly states the topic and scope of the paper, which is good. The abstract provides a concise summary of the problem, methodology, and key findings, but it could be improved by including more specific results.

Introduction: The introduction effectively outlines the problem of flooding in Malaysia, particularly in Temerloh, Pahang, providing relevant statistics and context. However, it could be strengthened by explicitly stating the objectives of the research.

Literature Review: The literature review provides a thorough overview of previous studies related to flood prediction and machine learning techniques. It effectively contextualizes the current research within existing literature. However, some of the descriptions could be more concise.

Materials and Methods: The section outlines the research procedure clearly, including data collection, preprocessing, model development, and evaluation. It effectively explains the steps taken to address the research objectives. However, it could benefit from more detailed descriptions of the data preprocessing techniques and the model development process.

Results and Discussion: The results section presents findings from the study, including correlation analysis and model performance evaluation. The discussion interprets the results effectively, relating them back to the research objectives. However, more detailed interpretation of the results and their implications could enhance this section.

Figures and Tables: The paper includes relevant figures and tables to support the text. However, some figures lack detailed captions, making it difficult to understand their relevance without referring back to the text.

Language and Clarity: The overall language and clarity of the paper are good, with clear explanations of concepts and methodology. However, there are occasional grammatical errors and awkward phrasings that could be improved.

References: The paper includes a list of relevant references, supporting the research with existing literature. However, some references could be more recent, and ensuring consistency in citation style would enhance the overall quality of the

paper.

Overall, the paper provides valuable insights into flood prediction using artificial neural networks, with a focus on a specific region in Malaysia. By addressing some of the mentioned points, the paper could further improve its clarity, rigor, and impact.