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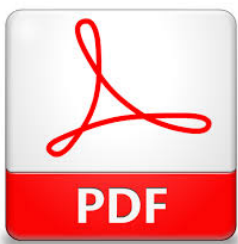
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Abstract

Floods are one of nature's deadliest catastrophes, causing property and infrastructure damage, loss of life, and economic disruption. In the past few decades, the need for accurate flood damage cost prediction has increased significantly. This study aims to develop a machine learning model using Random Forest to predict flood damage costs based on various input variables. The model is trained and tested using historical flood damage data. The results show that the Random Forest model achieves a high accuracy in predicting flood damage costs, outperforming other machine learning models. This study contributes to the field of flood damage prediction and provides a valuable tool for disaster management and risk assessment.



Keyword:

Prediction, Machine Learning, Flood Damage, Damage Cost, Random Forest

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