Submission Summary

Conference Name
International Conference on Artificial Intelligence: Theory and Applications

Paper ID
84

Paper Title
Chronic Kidney Disease Prediction

Abstract
Chronic kidney disease (CKD) is a growing medical problem that impairs renal function and ultimately harms the kidneys. CKD is a highly common condition nowadays, and two life-threatening conditions that can result from it are cardiovascular infection and end-stage renal disease. These might be avoided by identifying conditions early and treating those who are in danger. The responsibility of anticipating medical issues is exceedingly challenging. One of the most fatal diseases in the medical world is specifically CKD. The prediction of risk factors is a crucial step in the initial stage before it is too late to identify CKD forecast and eliminate risks. With persistent kidney disease with a consistent growth rate, sickness has grown to be a significant problem. Because a person may only survive without their kidneys for an average of 18 days, dialysis and kidney transplants are in great demand. Effective techniques for CKD early prediction are crucial. Machine learning techniques are useful for predicting CKD. In order to predict CKD status using clinical data, this work suggests a workflow that includes data prepossessing, a method for handling missing values, collaborative filtering, and attribute selection. The study highlights the significance of incorporating domain knowledge when using machine learning for CKD status prediction as well as the practical aspects of data collection.

Created on
4/21/2023, 9:21:54 PM

Last Modified
4/21/2023, 9:21:54 PM

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