RESEARCH-ARTICLE

DataDriven Approaches for Early Detection and Prediction of Chronic Kidney Disease Using Machine Learning



In recent years, the application of machine learning (ML) techniques for medical diagnostics has shown promising advancements. This study introduces a distinctive method for predicting chronic kidney disease (CKD) harnessing the prowess of ML. Our methodology encompasses an innovative data preprocessing approach, intricate feature engineering, and an amalgamation of ensemble techniques for model training. By evaluating our model on a dataset sourced from Kaggle, comprising 400 samples, we achieved an impressive accuracy of 98%, outperforming traditional methods. The



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References

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[2] Jha V, Garcia-Garcia G, Iseki K, (2013). Chronic kidney disease: Global dimension and perspectives. The Lancet, 382(9888), 260-272.

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