**Date:** August 7, 2021

**The Editor**,

Journal of Biosocial Science,

Dear Sir,

**Manuscript Submission**

We wish to submit an original article entitled “**Performance Analysis of Supervised Classification Models on Heart Disease Prediction**” for consideration in your journal of Biosocial Science.

The predictive performances of selected ten state-of-the-art machine learning methods are examined in this work with a view to determining the best one that would efficiently predict the heart disease conditions (present or absent) of groups of heart disease patients based on two independent (but similar) published heart disease datasets. To ascertain the results’ reproducibility strength of the classifiers, one of the datasets was used to build the classification models, while the second ones was used to validate the results obtained based on the first data. Therefore, the strength of this work lies in the ability of the chosen best classifier to reproduce the prediction results obtained when applied to similar independent heart disease data set.

This study also provides a helpful clue to the crops of bio-clinical variables to watch in the clinical diagnosis and treatment of heart disease patients.

We confirm that this work is original and has not been published elsewhere, nor is it currently considered for publication elsewhere. We, therefore, hoped that the manuscript would receive the needed attention in due course.

Thank you.

Sincerely,

**Ezekiel Ogundepo**



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