

Review of: "A Novel Approach: The Akl-Ahmed Insulin Sensitivity Prediction Equation (AA-ISPE) as an Alternative to HOMA-IR for Predicting Insulin Resistance"

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Potential competing interests: No potential competing interests to declare.

The manuscript is written in a plain and simple English language that any reader will find interesting. However, the research title sounds highly mathematical, but the body of the work disproved it. The AA-ISPE is not a novel approach but a traditional multiple regression model. Also, the alternative HOMA-IR model is not presented in the manuscript for readers to know what it is. Many results were not presented for comparing AA-ISPE and HOMA-IR. For instance, the coefficient of determination (R^2) and adjusted- R^2 , or Median Adequacy Measures (MAM) proposed by David et al. (2020). The values from the R^2 , adjusted- R^2 , and MAM will help show which of the models is a better model for prediction and has stable parameter estimates. The paper can be improved if these aspects of the data analysis are considered and incorporated into the research data analysis.

David, I. J. and Adebisi, O. D., Ogbaji, O. E., Eghwerido, J. T. and Umar, Z. A. (2020). Resistant Measures in Assessing the Adequacy of Regression Models. *Scientific African*, 8: e00437.