Review of: "Implementing Machine Learning to predict the 10-year risk of Cardiovascular Disease"

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Potential competing interests: No potential competing interests to declare.

Thank you to the authors for submitting the manuscript in Qeios journal. It would be better to accept the work with a minor modifications based on the article's quality and subject. The work presents various ML models in healthcare and tackles a significant issue, the prediction of Cardiovascular Disease (CVD) risk using machine learning algorithms.

The results are well explained and well presented in the manuscript..

Here are the some particular suggestions for revision:

- The use of machine learning and comparative analysis of algorithms need to be presented.
- Although the article presents the various algorithms but it is advisable to elucidate more comprehensive way for selecting these algorithms in the manuscript
- Additionally, minor proofreading for grammar and language could improve readability.
- The manuscript is generally well-written and structured, with clear figures and tables. Adding figure captions for Figures 1 and 2 would enhance clarity.

More information on the hyper parameters that were tuned and their corresponding ranges during hyper parameter tuning will improve the study's repeatability.

- The author would present the intensive literature survey and Comparison with Traditional Models
- The author would present some concise contribution and conclusion in the manuscript.
- It would be better to include a brief explanation of any ethical issues pertaining to the use of ML for CVD risk prediction given the ethical implications of healthcare applications.
- The author should add more recent papers on hypertuning parameters in the reference section.

Hence, Overall it is advisable to modify the suggestions for completeness of work and as well as for publication.