

Review of: "Chronic disease treatment default prediction with random sampling optimization."

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Potential competing interests: No potential competing interests to declare.

The paper addresses an important issue in healthcare, specifically the treatment default for chronic diseases, and tackles the problem of imbalanced datasets. The authors employ well-established machine learning techniques and resampling methods to address this issue, but there is insufficient justification and exploration of its impact and necessity in the methodology.

While the results are promising, there are some key areas that require attention. The paper omits necessary details regarding the model configurations, which are crucial for ensuring the reproducibility of the results. Please include comprehensive details about the model, such as hyperparameters, training configurations, and pre- or post-processing steps, to allow other researchers to validate and build upon your findings.

The paper currently lacks a substantial, novel contribution to the field of health. It's important to elaborate on what sets this work apart from existing literature and the unique contributions it offers. The techniques used for prediction appear to be conventional, and there is a need for a clearer justification for their introduction. The paper could significantly benefit from a discussion on how this work extends current knowledge or offers fresh insights in the context of imbalanced classification. It's crucial to include key comparisons between your paper and previous studies.