

Review of: "Rules Extraction, Diagnoses and Prognosis of Diabetes and its Comorbidities using Deep Learning Analytics with Semantics on Big Data"

Muhammad Adnan Khan¹

¹ Riphah International University

Potential competing interests: No potential competing interests to declare.

The manuscript presents novel and detailed research on artificial intelligence techniques used in both the diagnosis and prognosis of diabetes and its comorbidities. The authors demonstrate how machine learning techniques can be effectively applied in the medical context through a series of models and experiments. The authors conduct relevant research.

The research paper demonstrates a commendable level of organization and structure. The manuscript contains an interesting literature review, however, to enhance its relevance, I suggest incorporating more recent studies in the introduction, as the current focus on 2019 references seems somewhat outdated.

Moreover, to strengthen the study's robustness, increasing the data size and expanding the sample would be beneficial. A larger data set can improve the credibility and generalizability of the findings.

In terms of the comparative analysis, I recommend exploring more comprehensive elements, such as comparing results with other studies, different methodologies, or diverse data sets. This would significantly enrich the paper's conclusions and provide valuable insights to the readers.

For the discussion and conclusion, it would be valuable for the authors to critically examine the implications of their findings and acknowledge any limitations that might have influenced the results. A constructive summary of the key findings, along with practical recommendations for future research, would add depth to the conclusion.

Lastly, paying attention to language and clarity throughout the paper is essential. Proofreading and editing can ensure a well-articulated and coherent presentation of the research.

Overall, the article has notable strengths, but addressing these areas for improvement would elevate its contribution to the field. I appreciate the effort put into this research and the potential impact it can have on advancing knowledge in the subject matter.