

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

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Potential competing interests: No potential competing interests to declare.

The article exhibits considerable promise and effectively tackles a substantial issue within the domain of healthcare informatics. Moreover, to strengthen the study's robustness, increasing the data size and expanding the sample would be beneficial, as the findings can be more credible and generalizable with more data. Also, comparing results with other studies should be provided, methodologies, or data sets for a more comprehensive comparative analysis. Including a comparative analysis with other relevant approaches will provide insights into the strengths and weaknesses of the proposed method. For the discussion and conclusion, the authors should critically evaluate their findings and acknowledge any limitations that demonstrate a balanced perspective and guide future researchers in addressing these challenges. A positive summary of the key findings and practical research suggestions would deepen the conclusion. Further elucidation regarding the architecture and hyperparameters of the deep learning model is necessitated. The article should encompass a comprehensive depiction of the selected models, the reasoning behind the selection, and the validation for the specific hyperparameter configurations. The language can be further improved to have a better readability.