

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.

This study employed machine learning techniques to analyze data from a hospital, integrating and correlating information regarding various medical conditions. Through this analysis, the study aimed to uncover insights into the progression of diseases, utilizing deep learning for in-depth clinical case examination. While not a novel subject, applying deep understanding for clinical case analysis represents a significant contribution. Making the data publicly available could constitute a major breakthrough in terms of potential impact.

The trial used HL7 FHIR v4 to standardize the data model to achieve interoperability in model analysis. It might be advisable to suggest that relevant studies briefly introduce the FHIR background and a simple overview of why the v4 version was chosen.

Figure 5 is somewhat difficult to understand. It could be recommended to consider reformatting for better readability. In addition, additional details about the specific tasks undertaken in the research could be included in the explanation.

Overall, this study makes a significant contribution to empirical research. However, if the data were made available, it could lead to more extensive future exploration and analysis of disease-related research. The article is well-written and provides comprehensive experimental explanations and details.