Review of: "NER Sequence Embedding of Unified Medical Corpora to Incorporate Semantic Intelligence in Big Data Healthcare Diagnostics"

Yinglei Song[1]

1 Jiangsu University of Science and Technology

Potential competing interests: No potential competing interests to declare.

This paper considers the methods for the intelligent diagnosis of diabetes mellitus (DM) and proposes a sequential NER embedding mechanism for the intelligent diagnosis of DM. Experimental results show that the proposed approach can achieve a diagnostic accuracy of 90%. The proposed approach is original and the paper is generally well written. However, the following issues need to be addressed before it can be accepted for publication.

1. In Section 3.2, the authors should provide more detailed information on feature extraction. It is not clear how numeric features can be obtained based on the information shown in Table 2.
2. In Section 3.3, more detailed information on the deep learning algorithms used by the proposed approach should be provided.
3. In Section 3.3, a table or a figure should be provided to clearly describe the DNN architecture for NER embedding.
4. How much data is used by the authors to train the Deep learning model used for classification?
5. How much computation time is generally needed for Sequential NER embedding?