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.

What is the core innovation in the proposed semi-supervised analytics model, and how does it combine supervised and unsupervised ML algorithms?

Could you elaborate on the composition and characteristics of the datasets used for training and evaluation? Specifically, what attributes were included, and how did the inclusion of unlabeled attributes contribute to the self-training process of the analytics?

How were the custom rules extracted from the dataset, leading to the selection of a uniform set of 9 features for evaluation? Did the choice of features have any significant impact on the model's performance?

What is the significance of using Louvain clustering in the development of the LMHFL (Louvain Mani-Hierarchical Fold Learning) model? How does Louvain clustering handle the large dataset efficiently, and what benefits does it bring to the analysis of DM and comorbidities?

Could you explain the integration of the Fast.ai library with the LMHFL model? How does Fast.ai contribute to the development of deep learning models, particularly for text analysis, and how does it enhance the accuracy and performance of the overall analytics model?