

Type 2 Diabetes Prediction from the Weighted Data

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Abstract

The world is struggled also with diabetes as the number of diabetic patients is increased rapidly. As the diabetes lead to create related critical diseases, more researchers are interested to predict the diabetes. This paper proposes a model for predicting the type 2 diabetes using KNN with the weighted trained data of the identified significant features. The weighted data is calculated from the probability of occurrence of a data in a neighborhood. Pima Indian Diabetes dataset is used in the experiment. The obtained result show that proposed method gives better result than the existing results in the literature.

Keywords

[Prediction](#)

[Type 2 diabetes](#)

[Network pruning](#)

[KNN](#)

[Weighted data](#)