SVM based Diabetic Classification and Hospital Recommendation

Abstract

Today Diabetes has become a severe disease that is growing rapidly worldwide. A lot of research and work has been done on the same and it shows that there is a need of some automated system which would help the diabetic patients to get hospital recommendations and all. The proposed system uses the SVM classifier to classify the person into diabetic positive or negative class. The diabetic positive patients are then clustered into different clusters as per the severity of the disease. The system also recommends all the nearby hospitals to the patients and the generation of QR code reduces the patients headache of carrying the papers/reports, and thus helps the doctors to better understand the patient's diabetic case history.

References


11. Lan Li, Shaobin Ma, Yun Zhang, “Optimization Algorithm based on Support Vector Machine” in Seventh International Symposium on Computational Intelligence and Design, 2014


**Index Terms**

Computer Science  
Artificial Intelligence

**Keywords**

Classification, svm, diabetes, pima indian diabetic dataset..