

Disease Prediction System Based on SVM, Random Forest and Naive Bayes

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Abstract: The development and exploitation of several leading data-mining techniques in many real-world application areas (e.g., industrial, healthcare, and life sciences) has led to the use of such techniques in machine learning environments to extract important pieces of information from the specified data in health communities, biomedical fields, etc. Accurate analysis of medical database benefits in early disease detection, patient care and community services. Machine learning techniques have been used successfully in various applications, including prediction of early-stage disease prediction and diagnosis. This research work demonstrates the disease prediction system developed using Machine learning algorithms such as Decision Tree classifier, Random forest classifier, and Naïve Bayes classifier.

Keywords: Machine Learning, Data mining, Decision Tree Classifier, Random Forest Classifier, Naive Bayes classifier.

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