**An Approach to forecasting multiple maladies utilizing machine learning algorithms**

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Today, machine learning is applied in all fields. Machine learning plays an important role in healthcare. There should be much more advanced medical facilities to provide the best possible care to the patients. Applying machine learning to healthcare can significantly increase patient satisfaction. The "Prediction of multiple diseases using a machine learning model" system is based on predictive modeling that predicts the user's disease based on the symptoms that the patient enters into the system. Many existing machine learning applications for health analytics focus on only one disease. Like one test for diabetes, one for cancer, one for such skin diseases. There is no unified system where one model can predict more than one disease. This article proposes a system that predicts several diseases. This publication offered to analyze diabetes analysis, diabetes analysis and heart disease. This project proposes a support vector machine (SVM) as the backbone of computational diagnostic tools for more accurate prediction of heart disease risk levels. SVM modeling is a promising classification method to predict medication adherence in CVD patients. This model helps differentiate patients so that evidence-based decisions can be made and patients can be treated appropriately. Bag-adding and boosting methods using DTB algorithms were applied to experimental data to predict early diabetes risk. Random forest classifications were chosen for the bagging method, but AdaBoost, MultiBoost and real AdaBoost algorithms Later, other diseases such as skin diseases, fever analysis and many other diseases can be included. In the analysis of several diseases, machine learning algorithms were used to analyze all disease-causing parameters to identify the maximum effect caused by the disease. This project can help many people because the condition of people can be monitored and necessary precautions can be taken which will increase the life expectancy.

Keywords – Multiple maladies prediction, SVM, bagging and boosting, CVD