Analyzing Health Care Dataset using Machine Learning Techniques

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Abstract

This paper mainly deals with different classification algorithms techniques namely Navie Bayes, Sequential Minimal Optimization, Multilayer Perception, and Random Forest. It analyses the breast cancer from UCI machine learning repository. The result of the classification model is precision, recall, F-Measure, time, accuracy. From these measures, it is observed that naive Bayes algorithms are able to achieve high accuracy and consumed very less time when compare other algorithms.

References

2. Jiawei Han, Micheline Kamber, Data Mining Concepts and Techniques, Elsevier.
4. M.S.Chen, J.hans, P.SYu, Data mining: A overview from a data base perspective, IEEE
transaction on Knowledge and data engineering 8(6), pp. 866-883, 1996.
Symposium, volume 1, July, 2005.

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