Mining the ClassificationRules for Infectious Skin Diseases in Children

Nan Kathy Myo, May Aye Khine
University of Computer Studies, Yangon
nankathymyo89@gmail.com

Abstract

The healthcare industry collects huge amount of healthcare data which, unfortunately, are not mine for discover relation and hidden information for effective decision making. Advance data mining techniques can help remedy this situation. Data mining is a process of pattern and relationshipp discovery within task and classification for diseases is also valuable for society. Correct classification of measurant may be the most critical point of the diagnosis process. So, computer-based medical systems are playing an increasingly important role in assisting diagnosis. Classification with decision tree is suitable to diagnosis process because tree is representing the answer of the patient from doctor. Decision tree is one of the machine learning algorithm which possess certain advantages that is suitable for discovering classification rules in data mining applications. The system is intended to develop a decision support system for infections skin diseases occur in children using ID3 decision trees algorithm, to discover how classification rules produced and to provide treatment.