Abstract

Along with the technology improvement in collecting and saving data, it leads to a necessity for gaining information from the data which has been exists. With the addition of data size, there was expectation that the important information which we can get will be increasing. One of the methods for gaining information or patterns from the data groups is by using classification which is a part from the techniques in data mining. In this final project, there is implementation of Random Forest classification algorithm. Random Forest is one of the classification algorithms, which has a good accuracy point. It is because Random Forest combines some classifiers to do the classification, where all of the classifiers are in forms of decision tree. In addition, this final project will also analyze the performance of this algorithm in accuracy. The analyze results the more decision trees inside Random Forest the better accuration it will give. When the best result analysis is reached, the addition of trees will make the accuracy become stabil.

Keywords: data mining, classification, random forest, classifier