

Abstract

Violations of the State Electricity Company (PLN) has been more and more, resulting in losses of billions of dollars. This of course resulted in losses to the state, therefore, violations should be anticipated by the detection of offenders PLN.

One way to anticipate the offense by using the prediction in data mining. Classification and prediction are two forms of data analysis that can be used to obtain a model that describes the important data classes or to predict the future trend in the data [6]. Some of method used to classification are maximum entropy and naive bayes. Maximum entropy is a method to find the probability distribution that has the highest entropy value. Naive bayes is a classification method that uses Bayes theorem.

In case of violation of a power user identification, maximum entropy method produced an accuracy rate higher than the naive bayes method, although the difference in produced very little. While the amount of use time spent on process modeling and naive bayes classification superior to maximum entropy.

Keywords: Classification, naïve bayes, maximum entropy