Abstract

ATM is one of the facilities provided by the bank that aims to facilitate customers for conducting banking transactions, such as cash withdrawals, transfers, payments, and others. In the journey, there would be some errors in the ATM machine, one of them is the downtime caused by the money that runs out. To overcome this problem, we need a system of predictive scheduling of charging money at the ATM. In this case, the author tries to apply the Naive Bayes classification to create predictive scheduling system, which can be used by the bank to prevent downtime due to the money runs out. In designing the system, starting with the raw data preprocessing until being the data that ready to be trained and tested. Followed by the selection of the best model that can be applied to the new data that will be predicted.

Keywords: downtime, classification, Naive Bayes, prediction, preprocessing