

Abstract

Departmental executives need informations in order to evaluate the performance of each department's intern sector or known as self-evaluation. Information System for Self Evaluation needs integrated data for many sources and able to show knowledge from the data processing. Data warehouse is a method for integrating those data and with snowflake schema modeling the storage space can be compressed. Association rule mining with apriori algorithm is used for the data mining process. The data warehouse is modeled with four step dimensional process, data mining processed after generating the fact and dimension tables as a method for its information delivery. From the evaluation analysis can be deduced that this data warehouse modeling is suitable for the information system with the big records of data. The increase of minimum support and minimum confidence value also correspond the rule strength, and the association rule results can help the self-evaluation process.

Keywords: *data warehouse, snowflake schema, association rule, data mining, apriori*