Abstract

For this time, the growth of economics in industry expanding fastly.Especially, company or organization has been collected data for many years for example transaction data. Almost all of data entered using with computer application to use for handling daily trancaction commonly is OLTP (On Line Transaction Processing).

Because of , all of data has been collected can use to get something cost to find knowledge a company to decide decision Because that, needs a system data mining use association technique to show value an attribute has happened together in data collected. Especially, handling of transactional data with categorical and numeric attribute.

Final result from association technique is to find knowledge representation rules in processing data. In this final project, implemented genetic algorithm to find best association rules with minimal support and minimal confidence. After conducted with the attempt, mining quantitative association rules using genetics algorithm proven to found best association rules.

Keywords : ***OLTP (On Line Transaction Processing), data mining, association technique, genetics algorithm, association rules, support, confidence, minimal support, minimal confidence, categorical, numeric.***