ABSTRACT

Higher technology, people is getting easier. It happens to internet, moreover business world. For example auction, usually it conducts in one room., by internet, it can be done in illusion world without room. In auction, the product's owners hope to get profitable price. But in fact, sometime got satisfiable price, sometime didnot. So, its good if product's owners know which product that will be gainful, before launch the products on auction.

The solution of this problem is by learn the factors that influence sales whether with maximum price or minimum price. The factor can be from duration days of auction, low or high start price, ending of auction on weekend, category of product, kind of auction, etc. To solve this problem need mining information from auction data that have been passed.

Data mining is one of scince that try to discover pattern, rule, and valuable information that didnot know yet before from a hugh data.

Because of e-auction dataset that we have use class, so its better to use classification technique. Classification try to build model on training set which formulate classes from data records from training set and test set and also new e-auction that donot have a class yet.

In classification there are so many method, but in this final project only use decision tree method commonly, C4.5 algorithm especially.

Key words *: data mining, classification, decision tree, C4.5 algorithm, training set, test set.*