

Abstract

Naturally, human prefers to get second advice/opinion in making decisions. The advice/opinion can be used as a consideration to convict at a preferable choice or unpreferable choices. In making decision, certainly it based on relevant basic parameters for the decision maker.

In business, a producer must take decisions. The decisions could be measurable ones or unmeasurable ones. For instance, when a producer has to choose one supplier among many suppliers for one of his product raw materials, generally the choices have different advantages and disadvantages of parameters which the producer expects. Conventionally, the producer chooses the best supplier suitable to his product by selecting manually. It won't probably give the best result for the cost efficiency. In fact, a producer who is able to produce goods with highest efficiency rate will no wonder win the business competition.

For those reason, Decision Support System (DSS) is needed to help the decision makers. Since it was found, DSS method has grown into many methods. So, it makes decision taking much easier. One of the methodes is Entropy method, which is a method used to measure average weight of each alternative/choice. The objective is to give the most suitable supplier for the user (Decision Maker).

Keywords: Selection, DSS, entropy