

摘要

本研究的主要目的，在應用模糊理論，建立改進傳統系統分析模式。並以高中教科書評選為例，首先使用評鑑因素重要程度模糊問卷及教科書評鑑表，建立因素模糊相對權重矩陣與模糊評估矩陣，同時以模糊眾數和模糊評估與傳統方法進行比較分析。我們經由實際評選發現，應用模糊評選教科書，比傳統評選教科書來得合理。在尋求適當的共識時，模糊統計較能適時反應出人們實際的想法。

關鍵詞：教科書評選、模糊眾數、模糊相對權重、模糊評估



Abstract

The purpose of this study is to develop a system analysis by fuzzy theory. A comparison was made between fuzzy sample mode, fuzzy evaluation and the conventional method about textbook selection. In order to establish the factor fuzzy relation weight matrix and to estimate fuzzy evaluation matrix, we use the fuzzy weight and evaluation questionnaire first. It was found, by way of the actual evaluation, that the application of fuzzy evaluation is better than the traditional evaluation. While looking for appropriate consensus, fuzzy statistics is a better reflection of popular idea.

Keywords : textbook selection, fuzzy sample mode, fuzzy relation weight, fuzzy evaluation

