

基于G1法的判断矩阵的一致性分析

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Analyzing the Consistency of Comparison Matrix Based on G1 Method

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摘要 应用层次分析法(AHP)法的难点在于构造判断矩阵,构造判断矩阵的难点在于其一致性问题,本文用G1法分析造成AHP判断矩阵不一致的原因,指出了G1法与构造判断矩阵的本质区别,解决了层次分析法的应用难题.同时对一些文献基于构造判断矩阵得出的值得商榷的结论进行了讨论.

关键词: [层次分析法](#) [G1法](#) [一致性](#) [标度](#) [序关系](#)

Abstract: The difficulty of applying the AHP method is the construction of the comparison matrix, and the difficulty of constructing the comparison matrix lies in the consistency problem of the matrix. This paper analyzes the reasons which result in the inconsistency of the comparison matrix from AHP through the G1 method, points out the essential difference between the G1 method and the construction of the comparison matrix and solves the problem of applying the AHP method. Also, the wrong conclusions based on the construction of the comparison matrix in some literatures are analyzed.

收稿日期: 2005-04-29;

基金资助: 国家科技部2003年科技兴贸项目(2003EE550001)

引用本文:

王学军, 郭亚军. 基于G1法的判断矩阵的一致性分析[J]. 中国管理科学, 2006, V(3): 65-70

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