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## 层次分析法在高校教学质量综合评估中的应用

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摘要: 利用层次分析方法, 通过建立层次结构模型、构造成对比较矩阵、计算单排序权向量并进行一致性检验、计算层次总排序权值并进行一致性检验, 计算出每所高等院校课程教学质量评估的综合得分而获得高等院校的课程教学质量的综合排序。与一般的统计分析相比, 具有良好的系统性和实用性, 方法简捷有效, 综合效果显著。

关键字: 高校教育质量; 综合评价; 层次分析

## Application of AHP in the comprehensive assessment of

## university teaching quality

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Abstract: Hierarchical structure model and comparison matrix is founded by the analytic hierarchy method, sorting weight vector level and sorting the weigh is computed, and the consistency check is completed. The synthesis score of teaching and learning appraisal on curriculum quality of each institute is calculated, to obtain the institute curriculum quality of teaching synthesis sorting. There is a better systematic characteristic and has better usability than general statistical analysis. The method is simple, direct and effective, while the comprehensive effect is remarkable.

KeyWords: hierarchical structure; analytic hierarchy; consistent ratio; reciprocal matrix; biggest characteristic root; weight