

基于DEA的学科有效性评价

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Efficiency Measurement for the Emphasis Subjects Based on DEA

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摘要 高校重点学科的评选是我国加强教育和科技发展一项重要举措。针对强调学科水平的同时,需要注意办学效益问题,本文运用数据包络分析(DEA)方法建立了学科技术有效性评价模型,通过对同学科多所院校的投入产出观察数据,得出了相应技术有效性与否的结论。结果表明,该模型不仅能评价学科的办学效益水平,而且能对非技术有效的学科,提供改进依据。

关键词: [数据包络分析DEA](#) [学科评价](#) [办学效益](#)

Abstract: In order to strengthen the development of education, science and technology, the Education Department of China takes the efficiency measurement for the emphasis subjects. As we consider the academic level, the benefit of subject is also emphasized. On the basis of DEA, we propose a model of efficiency measurement for the emphasis subjects. According to the input data and output data from different universities, we get the conclusion whether they are efficient or not. In summary, the model we proposed can estimate the benefit level of different universities, and give out the advise from the point of improvement as well.

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