عنوان مقاله:

Benevolent Secondary Goals in Cross Efficiency Evaluation under the Principle of Rank Priority of DMUs

محل انتشار:

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خلاصه مقاله:

Data envelopment analysis is one of important topics in optimization manufacturing systems. Cross efficiency evaluation has been proposed as an alternative method for ranking decision making units (DMUs) in data envelopment analysis (DEA). To eliminate the non uniqueness of cross efficiency scores some models have been proposed as secondary goal to determine cross efficiency score. This paper proposes a new model for DEA cross efficiency according to emphasize the rank of DMUs. We introduce a novel model to aggravate the rank of unit under evaluation. The model is illustrated with two numerical examples to represent the distinction of our model and existed models.

کلمات کلیدی:

Data envelopment analysis (DEA); Cross efficiency; Secondary goal; Rank

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