

عنوان مقاله:

Usnig LR-Fuzzy Numbers Data to Measure the Eciency and the Malmquist Productivity Index in Data Envelopment Analysis , and Its Application in Insurance Organizations

محل انتشار:

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خلاصه مقاله:

In many real applications, the data of production processes can't be precisely measured. We develop some fuzzy versions of the classical DEA models (in particular, the CCR model) by using some ranking methods based on the comparison of cuts. Our approaches can be seen as an extension of the DEA methodology. They provide users and practitioners with models which represent some real life processes more appropriately. DEA-based Malmquist productivity index measures the productivity change over time. In this paper we provide an extension to the DEA-based Malmquist productivity index for all DMUs with fuzzy data.

کلمات کلیدی:

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