#### عنوان مقاله:

A Chance-Constrained DEA Model with Random Input and Output Data:Considering Maintenance Groups of Iranian

Aluminum Company

## محل انتشار:

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#### خلاصه مقاله:

In this paper, we use an input oriented chance-constrained DEA model withrandom inputs and outputs. A super-eciency model with chance constraints is used for ranking. However, for convenience in calculations a non-linear deterministic equivalent model is obtained to solve the models. The non-linearmodel is converted into a model with quadratic constraints to solve the nonlineardeterministic model. Finally, data related to twenty-eight maintenancegroups of Iranian Aluminum Company (IRALCO) is used to demonstrate theapplicability of the used .Models in this paper

# کلمات کلیدی:

Data envelopment analysis, Chance constraints, Random variables, Quadratic constraints, Super-efficiency

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