**عنوان مقاله:**

Common Set of Weights Model in the Presence of Non-homogeneous Outputs

**نویسندگان:**

Mahnaz Ahadzadeh Namin - *Department of Mathematics, Shahr-e-Qods Branch, Islamic Azad University, Tehran, Iran*

Elaheh Khamseh - *Department of Mathematics, Shahr-e-Qods Branch, Islamic Azad University, Tehran, Iran*

**خلاصه مقاله:**

In order to evaluate the companies of the cement industry active in the Tehran Stock Exchange (Iran), it is first necessary to identify the indicators of the industry. Note that some of the indicator values provided by the Exchange Organization to the users may have been lost for any reason. All of the existing models for calculating the efficiency of such units calculate the weight of the indicators related to each unit under evaluation independent of the weight of other units. So, in this study, researchers decided to develop a common set of weight models and propose a model that evaluates efficiency in the presence of heterogeneity decision-making units (DMUs) based on the common set of weight models. Finally, the proposed model evaluates ۲۵ cement industry companies in the presence of heterogeneity DMUs of indicators and the results are being analyzed.

**کلمات کلیدی:**

Data envelopment analysis, Efficiency, Non-homogeneous DMUs, Common Set of Weights