

عنوان مقاله:

Evaluating Organizational Performance Based on Safety Management Using Data Envelopment Analysis; Case Study: Isfahan Car Industry

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نویسندگان:

Hadi Shirooyezad - *Department of Industrial Engineering, Najaf Abad Branch, Islamic Azad University*

,Negin Berjis - *Department of Industrial Engineering, Najaf Abad Branch, Islamic Azad University*

Farimah Mokhatab Rafiei - *Department of Industrial Engineering, Isfahan University of Technology, Isfahan, Iran*

خلاصه مقاله:

Occupational accidents severely deteriorate human capital, and hence negatively affect the productivity and competitiveness. But despite these negative points, there are still deficiencies in safety management performance and indicators. Therefore the safety issue needs an active management. For this reason, the writer has proposed an approach to evaluate organizations based on safety management. Data envelopment analysis is used to assess organization's performance. After efficient and inefficient DMUs were found, the next step would be sensitivity analysis of DEA Model's inputs. The proposed approach has been solved in Isfahan car industry. The results show that, there are 5 efficient DMU's between 12 ones. Then DMU's have been ranked by two ranking methods of super efficiency and Ideal and Anti Ideal Ranking Method. The sensitivity Analysis of model's inputs results signify that among indicators, safety risks management has the most influence, on DMU's efficiency.

کلمات کلیدی:

safety, Safety Management, Data Envelopment Analysis, Efficiency

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