

## عنوان مقاله:

Dynamic DEA based on DMAIC model to evaluate passengers' transportation in road transportation organization

## محل انتشار:

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## خلاصه مقاله:

In Iran, more than ۹۴% of transportation is road transportation. The goal of this article is to assess and to rate road transportation companies of ۳۱ country provinces and to determine the effect of integrating six sigma DMAIC cycle and dynamic data envelopment analysis (DDEA) on effective inputs and outputs. In this article the BCC output-oriented has been changed to dynamic model. According to the conducted sensitivity analysis in improvement phase, it is determined what changes should be made in the values of inputs and outputs for inefficient units to become efficient. DMAIC cycle control system is monitored through statistical control charts to be able to control and monitor the values of inputs and outputs. Integrating these methods help us with a more effective evaluation of dynamic environment and through sensitivity analysis in improvement phase, effectiveness and efficiency of units will increase and help to achieve the goals set.

## کلمات کلیدی:

road transportation; six Sigma; DMAIC cycle; DDEA; performance evaluation

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1273180>

