

عنوان مقاله:

Sensitivity analysis of effective factors on Iran industrial pollution by using artificial neural network multi-layer model

محل انتشار:

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خلاصه مقاله:

Nowadays, the most important social and economic problems related to production activities are environmental pollution produced by various industries. Although these activities are urgent to meet consumer demand, they are inevitably associated with pollution. By using artificial neural network models, this paper examines the effect of industrial value added, labor and energy productivity, physical and human capital on producing industrial water pollution. According to empirical results, there is a significant and positive association between physical capital intensity, energy consumption intensity and industrial water pollution. Moreover, human capital intensity, a significant and negative linking with human capital intensity, energy productivity and labor productivity is observed.

کلمات کلیدی:

water pollution, capital intensity, value -added, productivity

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