Network connection between the components of agricultural mechanization affecting agricultural productivity in agricultural settlements using DEMATEL approach

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ABSTRACT:
The current research seeks to study the economic conditions needed for agricultural productivity and sustainable development. The main objective underlying establishment of agricultural settlements is to improve the quality and quantity of production and increased revenue from agricultural products through the recognition and optimal use of Zanjan province’s potential and with a glance at the supply for domestic consumption and product export. Agricultural settlement is a place with definite constraints and unit management that is constructed for the establishment and integrated management of agricultural, livestock, and fisheries complexes and service and logistic units of supply and complementation of production chain, in compliance with technical regulations and standards and according to the type and composition of the activities and size of settlements, all or some of the related units. The results showed that Job Creation (JC), Immigration Control (IC) and Development of industrial Agriculture (DIA) have the greatest influence on the network connection.

Keywords:
Agricultural mechanization, Agricultural productivity, Agricultural settlements, DEMATEL approach.