

CURRENT APPROACHES TO COMPANY'S INVENTORY MANAGEMENT

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Research methodology. The results are obtained on the basis of constructing, synthesis and application of artificial neural networks – in establishing relationships between analytical components and economic indicators; synthesis – during the formation of the main aspects of inventory management, a systematic approach – when monitoring methods and models possible for application to provide analytical basis of inventory management company.

Results.

Economic indicators depend on each other, so a change in one parameter is accompanied by a change in the associated parameters. The nature of the neural networks' construction coincides with features of links between economic indicators. Delimitation change factor is reduced to the problem of the functional dependence of the investigated factors on the factors that affect it. Delimitation of factor change is reduced to the problem of the functional dependence of the investigated factors on the factors that affect it. The use of neural networks as a tool of component analysis determines the stability and high reliability of parameters of constraint equations. Meaningful interpretation of synthetic component simplifies their compliance with the essential aspects of inventory management. The result is a specific measurement scale of alternative by indicators that is, in contrast to the input, clearly delineated, and their number is reduced. The coincidence of control lines with groups of factors (synthetic ingredients) simplifies the understanding of the process of identifying the subjects of management alternatives and their connection with the real situation in the company. The results obtained by this method will consist of primary factor indicators, and have specific values of resultants characterizing the efficiency of inventory management of a company.

Novelty. The use of artificial neural networks construction method as the most appropriate hierarchical nature of economic performance during the formation and selection of alternative inventory management of a company is suggested. The

distinction in alternative space, stability and high reliability of parameters of constraint equations is being achieved.

Practical value. The research results can be used to develop effective mechanisms of planning, organization and inventory management of a company.

Keywords: enterprise, management, inventory optimization, strategy, model, artificial network.

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